

Table A.7 (Estuary) - Baseline Point Source Flows and Loads - FINAL

Note: TP Load based on permitted or average measured TP concentration.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Month	Flow (MGD)	Flow (cfs)	TP Conc (mg/L)	TP Load (lbs/month)	TSS Conc (mg/L)	TSS Load (lbs/month)	Fecal Coliform Conc (cfu/100mL)	Fecal Coliform Load (billion cells/month)	Notes
Aldrich Chemical Co Inc Emmer	0044938	NCCW	001	Estuary	All	9.00E-03	0.01	0.53	1.21	0	0	0	0	
Discovery World at Pier Wisconsin	0044938	NCCW	001	Estuary	All	2.44	3.77	0	0	0	0	0	0	Water supply is surface water per WDNR.
Miller Compressing Mainyard Recycle AP	0044938	NCCW	003	Estuary	All	3.00E-03	4.64E-03	0.82	0.62	0	0	0	0	
Milwaukee Art Museum	0044938	NCCW	001	Estuary	All	1.44	2.23	0	0	0	0	0	0	Water supply is surface water per WDNR.
Milwaukee Metropolitan Sewerage District - Jones Island	0036820	Individual	002	Estuary	All	123	190	0.66	2.06E+04	30	9.36E+05	400	5.66E+04	
	0036820	Individual	003	Estuary	All	2.40	3.71	0	0	0	0	0	0	Water supply is surface water per WDNR. Flow is based on highest 7-day averages from 1/2006 through 5/2011 and phosphorus values from 8/2011 thru 8/2012.
We Energies Valley Power Plant	0000931	Individual	001	Estuary	All	79.20	123	0	0	0	0	0	0	Process wastewater discharged to MMSD for treatment. Water supply for remainder of discharge is surface water per DNR.
	0000931	Individual	002	Estuary	All	54.90	84.93	0	0	0	0	0	0	Water supply is surface water per WDNR.

Table A.16 (Estuary) - Daily Total Phosphorus Wasteload Allocation by Permitted Point Source - FINAL

Note: For implementation purposes, the individual allocations for NCCW facilities covered under the general permit will be lumped by watershed and tracked through effluent monitoring. Actual permit limits may differ by facility when compared to corresponding individual mass allocations listed for each facility provided the watershed allocation is still met.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Daily TP Load (lbs/day)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Aldrich Chemical Co Inc Emmer	0044938	NCCW	001	Estuary	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	14.52
Discovery World at Pier Wisconsin	0044938	NCCW	001	Estuary	#	#	#	#	#	#	#	#	#	#	#	#	#
Miller Compressing Mainyard Recycle AP	0044938	NCCW	003	Estuary	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	7.49
Milwaukee Art Museum	0044938	NCCW	001	Estuary	#	#	#	#	#	#	#	#	#	#	#	#	#
Milwaukee Metropolitan Sewerage District - Jones Island	0036820	Individual	002	Estuary	677	677	677	677	677	677	677	677	677	677	677	677	247,118
	0036820	Individual	003	Estuary	#	#	#	#	#	#	#	#	#	#	#	#	#
We Energies Valley Power Plant	0000931	Individual	001	Estuary	#	#	#	#	#	#	#	#	#	#	#	#	#
	0000931	Individual	002	Estuary	#	#	#	#	#	#	#	#	#	#	#	#	#

Background P is present in effluent from source water. Point source is not contributing P beyond that which is present in the intake. For these reasons, no P reductions are necessary to meet TMDL targets.

Table A.17 (Estuary) - Monthly Total Phosphorus Wasteload Allocation by Permitted Point Source - FINAL

Note: For implementation purposes, the individual allocations for NCCW facilities covered under the general permit will be lumped by watershed and tracked through effluent monitoring. Actual permit limits may differ by facility when compared to corresponding individual mass allocations listed for each facility provided the watershed allocation is still met.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Monthly TP Load (lbs/month)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Aldrich Chemical Co Inc Emmer	0044938	NCCW	001	Estuary	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	14.52
Discovery World at Pier Wisconsin	0044938	NCCW	001	Estuary	#	#	#	#	#	#	#	#	#	#	#	#	#
Miller Compressing Mainyard Recycle AP	0044938	NCCW	003	Estuary	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	7.49
Milwaukee Art Museum	0044938	NCCW	001	Estuary	#	#	#	#	#	#	#	#	#	#	#	#	#
Milwaukee Metropolitan Sewerage District - Jones Island	0036820	Individual	002	Estuary	20,593	20,593	20,593	20,593	20,593	20,593	20,593	20,593	20,593	20,593	20,593	20,593	247,118
	0036820	Individual	003	Estuary	#	#	#	#	#	#	#	#	#	#	#	#	#
We Energies Valley Power Plant	0000931	Individual	001	Estuary	#	#	#	#	#	#	#	#	#	#	#	#	#
	0000931	Individual	002	Estuary	#	#	#	#	#	#	#	#	#	#	#	#	#

Background P is present in effluent from source water. Point source is not contributing P beyond that which is present in the intake. For these reasons, no P reductions are necessary to meet TMDL targets.

Table A.18 (Estuary) - Daily Total Suspended Solids Wasteload Allocation by Permitted Point Source - FINAL

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Daily TSS Load (lbs/day)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Milwaukee Metropolitan Sewerage District - Jones Island	0036820	Individual	002	Estuary	30,791	30,791	30,791	30,791	30,791	30,791	30,791	30,791	30,791	30,791	30,791	30,791	11,232,627
	0036820	Individual	003	Estuary	#	#	#	#	#	#	#	#	#	#	#	#	#
We Energies Valley Power Plant	0000931	Individual	001	Estuary	#	#	#	#	#	#	#	#	#	#	#	#	#
	0000931	Individual	002	Estuary	#	#	#	#	#	#	#	#	#	#	#	#	#

Background TSS is present in effluent from source water. Point source is not contributing TSS beyond that which is present in the intake. For these reasons, no TSS reductions are necessary to meet TMDL targets.

Table A.19 (Estuary) - Monthly Total Suspended Solids Wasteload Allocation by Permitted Point Source - FINAL

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Monthly TSS Load (lbs/month)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Milwaukee Metropolitan Sewerage District - Jones Island	0036820	Individual	002	Estuary	936,052	936,052	936,052	936,052	936,052	936,052	936,052	936,052	936,052	936,052	936,052	936,052	11,232,627
	0036820	Individual	003	Estuary	#	#	#	#	#	#	#	#	#	#	#	#	#
We Energies Valley Power Plant	0000931	Individual	001	Estuary	#	#	#	#	#	#	#	#	#	#	#	#	#
	0000931	Individual	002	Estuary	#	#	#	#	#	#	#	#	#	#	#	#	#

Background TSS is present in effluent from source water. Point source is not contributing TSS beyond that which is present in the intake. For these reasons, no TSS reductions are necessary to meet TMDL targets.

Table A.20 (Estuary) - Daily Fecal Coliform Wasteload Allocation by Permitted Point Source - FINAL

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Daily Fecal Coliform Load (billion cells/day)												Annual Load Allocation (billion cells/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Milwaukee Metropolitan Sewerage District - Jones Island	0036820	Individual	002	Estuary	1,862	1,862	1,862	1,862	1,862	1,862	1,862	1,862	1,862	1,862	1,862	1,862	679,338
Milwaukee Metropolitan Sewerage District - Jones Island #	0036820	Individual	003	Estuary	0	0	0	0	0	0	0	0	0	0	0	0	0
We Energies Valley Power Plant #	0000931	Individual	001	Estuary	0	0	0	0	0	0	0	0	0	0	0	0	0
We Energies Valley Power Plant #	0000931	Individual	002	Estuary	0	0	0	0	0	0	0	0	0	0	0	0	0

Fecal coliform WLA = 0 because the discharge is industrial wastewater only (no sanitary waste). No discharge of bacteria is expected.

Table A.21 (Estuary) - Monthly Fecal Coliform Wasteload Allocations by Permitted Point Source - FINAL

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Monthly Fecal Coliform Load (billion cells/month)												Annual Load Allocation (billion cells/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Milwaukee Metropolitan Sewerage District - Jones Island	0036820	Individual	002	Estuary	56,611	56,611	56,611	56,611	56,611	56,611	56,611	56,611	56,611	56,611	56,611	56,611	679,338
Milwaukee Metropolitan Sewerage District - Jones Island #	0036820	Individual	003	Estuary	0	0	0	0	0	0	0	0	0	0	0	0	0
We Energies Valley Power Plant #	0000931	Individual	001	Estuary	0	0	0	0	0	0	0	0	0	0	0	0	0
We Energies Valley Power Plant #	0000931	Individual	002	Estuary	0	0	0	0	0	0	0	0	0	0	0	0	0

Fecal coliform WLA = 0 because the discharge is industrial wastewater only (no sanitary waste). No discharge of bacteria is expected.

Table A.A (Estuary) - Growing Season Median Total Phosphorus Concentrations Based on TMDL Loads and Simulated Flows for 1988 - 1997 - FINAL

Assessment Point	TP Water Quality Target (mg/L)	Growing Season (May-October) Median Instream TP Concentration (mg/L)										Median TP Concentration 1988 - 1997 (mg/L)
		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	
LM-1	0.1	0.10	0.07	0.07	0.07	0.05	0.10	0.10	0.10	0.10	0.10	0.10
LM-2	0.1	0.08	0.09	0.09	0.08	0.07	0.09	0.07	0.09	0.09	0.09	0.09
LM-3	0.1	0.08	0.08	0.08	0.07	0.06	0.09	0.07	0.09	0.08	0.09	0.08
LM-4	0.1	0.08	0.08	0.08	0.07	0.06	0.09	0.07	0.09	0.09	0.09	0.08
LM-5	0.1	0.06	0.07	0.06	0.06	0.05	0.07	0.05	0.06	0.06	0.07	0.06
LM-6	0.1	0.06	0.06	0.06	0.05	0.05	0.07	0.05	0.06	0.06	0.06	0.06
LM-7	0.1	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.05
LM-8	0.1	0.03	0.04	0.04	0.05	0.04	0.05	0.04	0.04	0.05	0.05	0.04
LM-9	0.1	0.02	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.03
LM-10	0.1	0.04	0.05	0.04	0.04	0.04	0.05	0.04	0.05	0.05	0.05	0.04

Table A.B (Estuary) - Growing Season Median Total Suspended Solids Concentrations Based on TMDL Loads and Simulated Flows for 1988 - 1997 - FINAL

Assessment Point	TSS Water Quality Target (mg/L)	Growing Season (May-October) Median Instream TSS Concentration (mg/L)										Median TSS Concentration 1988 - 1997 (mg/L)
		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	
LM-1	12	11.34	7.88	8.74	8.06	6.42	11.81	11.46	11.65	11.77	11.77	11.40
LM-2	12	6.07	8.52	9.22	7.87	6.97	9.66	6.06	7.89	8.49	9.16	8.19
LM-3	12	5.90	7.84	8.08	6.94	6.21	9.55	5.81	7.74	7.93	9.13	7.79
LM-4	12	6.10	7.76	8.23	7.34	6.17	10.02	6.49	8.12	8.93	9.24	7.94
LM-5	12	3.64	5.20	5.48	4.63	4.02	6.06	3.78	4.38	4.87	5.78	4.75
LM-6	12	4.22	5.87	5.88	5.25	4.63	6.77	4.31	5.46	5.85	6.06	5.66
LM-7	12	3.68	4.39	4.58	4.49	3.97	4.62	4.00	4.31	4.62	4.45	4.42
LM-8	12	3.28	3.87	4.00	4.08	3.56	4.35	3.69	4.03	4.26	4.08	4.01
LM-9	12	2.88	3.48	3.49	3.42	3.04	3.51	3.01	3.24	3.34	3.20	3.29
LM-10	12	3.52	4.11	3.97	3.84	3.70	4.15	3.68	3.99	4.13	4.35	3.98

Table A.C (Estuary) - Recreation Season Geometric Mean Fecal Coliform Concentrations Based on TMDL Loads and Simulated Flows for 1988 - 1997 - FINAL

Note: Fecal coliform water quality target for Outer Harbor assessment points is translated from the regulatory *E. coli* standard (See Section 5.4).

Assessment Point	Location	30-day Geomean FC Water Quality Target (cfu/100mL) ¹	Recreation Season (May-September) Geomean FC Concentration (cfu/100mL)									
			1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
LM-1	Inner Harbor	200	68	161	194	154	97	215	103	125	204	221
LM-2	Inner Harbor	200	13	49	57	39	26	50	16	23	35	40
LM-3	Inner Harbor	200	7	39	47	29	19	34	8	12	24	30
LM-4	Inner Harbor	200	8	54	73	44	26	51	11	15	38	38
LM-5	Inner Harbor	200	4	11	15	9	6	13	4	5	10	8
LM-6	Outer Harbor	210	11	31	38	24	18	30	10	14	26	21
LM-7	Outer Harbor	210	8	13	16	13	11	15	9	11	14	12
LM-8	Outer Harbor	210	6	10	13	11	8	11	8	8	11	9
LM-9	Outer Harbor	210	4	5	6	5	5	6	4	4	5	5
LM-10	Outer Harbor	210	7	9	10	8	8	9	7	7	12	10

Table A.1 (KK) - Baseline Nonpoint Source Total Phosphorus Loads - FINAL

Note: Loads are averaged for each calendar month over the 10-year simulation period (1988 - 1997).

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Average Annual TP Load (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
KK-1 Lyons Park Creek Entire Length	Background	0.03	0.04	0.17	0.35	0.13	0.21	0.12	0.14	0.01	0.04	0.03	0.02	1.29
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
KK-2 Kinnickinnic River From Wilson Park Creek to Lyons Park Creek	Background	0.30	0.36	1.91	3.45	1.26	1.95	1.00	1.27	0.10	0.37	0.25	0.20	12.43
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
KK-3 South 43rd St Ditch Entire Length	Background	0.06	0.07	0.39	0.67	0.24	0.36	0.18	0.23	0.02	0.07	0.05	0.04	2.36
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
KK-4 Edgerton Channel, Wilson Park Creek, Villa Mann Creek Entire Length	Background	1.59	1.94	8.64	11.19	5.54	5.53	1.81	2.18	0.64	0.48	1.42	0.92	41.86
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
KK-5 Holmes Avenue Creek Entire Length	Background	0.13	0.17	0.68	0.94	0.57	0.49	0.13	0.16	0.06	0.04	0.12	0.08	3.58
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
KK-6 Cherokee Park Creek Entire Length	Background	0.07	0.08	0.39	0.79	0.29	0.49	0.27	0.33	0.03	0.08	0.06	0.05	2.94
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
KK-7 Kinnickinnic River From Estuary to Wilson Park Creek	Background	0.24	0.28	1.44	2.69	0.98	1.57	0.82	1.02	0.09	0.28	0.20	0.17	9.79
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A.2 (KK) - Baseline Nonpoint Source Total Suspended Solids Loads - FINAL

Note: Loads are averaged for each calendar month over the 10-year simulation period (1988 - 1997).

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Average Annual TSS Load (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
KK-1 Lyons Park Creek Entire Length	Background	7.35	7.68	25.97	52.72	20.52	60.85	33.58	35.62	4.16	8.03	6.47	6.39	269.33
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
KK-2 Kinnickinnic River From Wilson Park Creek to Lyons Park Creek	Background	52.65	56.86	213.18	414.89	158.75	448.03	251.90	269.49	25.87	66.62	47.41	43.31	2,048.97
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
KK-3 South 43rd St Ditch Entire Length	Background	8.10	9.01	36.64	69.11	26.09	70.66	40.37	43.50	3.43	11.54	7.45	6.31	332.22
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
KK-4 Edgerton Channel, Wilson Park Creek, Villa Mann Creek Entire Length	Background	162.97	192.22	776.04	1,126.41	630.26	969.75	368.93	387.94	94.17	80.78	228.99	133.94	5,152.40
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
KK-5 Holmes Avenue Creek Entire Length	Background	19.90	24.86	93.93	121.11	83.89	108.40	29.10	34.21	11.79	8.94	22.88	17.27	576.29
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
KK-6 Cherokee Park Creek Entire Length	Background	17.16	17.87	59.90	122.06	47.58	141.70	78.07	82.75	9.81	18.50	15.08	14.99	625.48
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
KK-7 Kinnickinnic River From Estuary to Wilson Park Creek	Background	46.37	49.39	177.83	351.76	135.51	390.11	217.67	232.08	24.21	55.35	41.37	39.05	1,760.69
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A.3 (KK) - Baseline Nonpoint Source Fecal Coliform Loads - FINAL

Note: Loads are averaged for each calendar month over the 10-year simulation period (1988 - 1997).

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)					Average Recreation Season Fecal Coliform Load (billion cells/season)
		May	Jun	Jul	Aug	Sep	
KK-1 Lyons Park Creek Entire Length	Background	0.46	0.69	0.45	0.42	0.19	2.21
	Agricultural	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-
KK-2 Kinnickinnic River From Wilson Park Creek to Lyons Park Creek	Background	3.57	5.13	3.27	3.12	1.21	16.30
	Agricultural	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-
KK-3 South 43rd St Ditch Entire Length	Background	0.59	0.81	0.51	0.50	0.16	2.57
	Agricultural	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-
KK-4 Edgerton Channel, Wilson Park Creek, Villa Mann Creek Entire Length	Background	11.08	12.40	7.43	5.49	3.46	39.86
	Agricultural	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-
KK-5 Holmes Avenue Creek Entire Length	Background	1.34	1.43	0.85	0.60	0.47	4.69
	Agricultural	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-
KK-6 Cherokee Park Creek Entire Length	Background	1.07	1.61	1.06	0.98	0.46	5.18
	Agricultural	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-
KK-7 Kinnickinnic River From Estuary to Wilson Park Creek	Background	3.05	4.46	2.88	2.70	1.13	14.22
	Agricultural	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-

Table A.4 (KK) - Baseline MS4 Total Phosphorus Loads - FINAL

Note: Baseline MS4 loads reflect reduction of TP associated with 20% TSS reduction from no controls.

Municipality	Reach	Area (acres)	Monthly TP Load (lbs/month)												Average Annual TP Load (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Cudahy, City	KK-4	953	43.11	40.81	98.10	103.72	72.42	81.56	58.86	60.43	35.68	36.36	47.85	35.24	714.14
Greenfield, City	KK-1	108	3.80	3.63	8.96	11.49	6.90	9.04	7.27	7.93	3.38	4.80	4.52	3.33	75.04
	KK-2	111	3.83	3.66	9.00	11.49	6.92	9.04	7.30	7.95	3.43	4.84	4.58	3.37	75.40
	KK-4	649	29.36	27.80	66.82	70.64	49.33	55.55	40.09	41.16	24.31	24.77	32.59	24.00	486.43
Milwaukee, City	KK-6	556	19.20	18.35	45.48	58.43	35.03	45.92	36.82	40.27	17.07	24.26	22.77	16.75	380.35
	KK-1	745	26.15	24.97	61.73	79.14	47.53	62.22	50.06	54.58	23.30	33.05	31.11	22.90	516.75
	KK-2	1,218	42.00	40.17	98.69	125.98	75.86	99.10	80.01	87.17	37.64	53.04	50.18	36.90	826.74
	KK-3	60	2.60	2.55	5.73	6.86	4.29	5.44	4.63	5.00	2.51	3.24	3.28	2.37	48.51
	KK-4	3,671	165.98	157.14	377.70	399.32	278.85	314.01	226.61	232.68	137.39	140.00	184.22	135.68	2,749.58
	KK-5	1,099	64.26	63.45	138.02	133.08	93.13	102.79	82.95	83.16	57.35	54.97	76.71	55.33	1,005.19
	KK-6	59	2.03	1.94	4.80	6.17	3.70	4.85	3.89	4.25	1.80	2.56	2.40	1.77	40.15
St. Francis, City	KK-7	2,536	77.42	74.36	179.87	227.16	137.67	178.92	145.74	158.49	70.33	97.58	93.41	68.54	1,509.48
	KK-4	66	2.99	2.83	6.80	7.19	5.02	5.66	4.08	4.19	2.47	2.52	3.32	2.44	49.52
West Allis, City	KK-2	340	11.73	11.22	27.56	35.19	21.19	27.68	22.35	24.35	10.51	14.81	14.01	10.31	230.91
	KK-3	734	31.85	31.34	70.33	84.18	52.65	66.77	56.76	61.40	30.84	39.82	40.20	29.13	595.27
West Milwaukee, Village	KK-3	304	13.19	12.98	29.13	34.86	21.80	27.65	23.51	25.43	12.77	16.49	16.65	12.06	246.53

Table A.5 (KK) - Baseline MS4 Total Suspended Solids Loads - FINAL

Note: Baseline MS4 loads reflect 20% TSS reduction from no controls.

Municipality	Reach	Area (acres)	Monthly TSS Load (lbs/month)												Average Annual TSS Load (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Cudahy, City	KK-4	953	5,255.17	4,779.66	15,734.72	28,652.51	30,088.53	51,312.99	40,513.74	51,421.81	27,527.65	20,072.43	20,545.82	5,021.75	300,926.78
Greenfield, City	KK-1	108	525.87	466.76	1,524.52	2,847.16	2,418.72	4,884.94	3,682.10	5,085.86	2,395.91	2,543.45	1,687.98	476.90	28,540.17
	KK-2	111	526.69	467.58	1,529.63	2,888.53	2,466.33	5,028.27	3,790.67	5,266.72	2,446.11	2,614.51	1,705.63	477.69	29,208.37
	KK-4	649	3,579.48	3,255.59	10,717.46	19,516.22	20,494.34	34,951.06	27,595.31	35,025.18	18,750.03	13,672.03	13,994.47	3,420.48	204,971.65
	KK-6	556	2,468.48	2,185.97	7,162.30	14,007.68	12,097.41	28,996.30	21,142.32	31,720.00	11,921.33	13,583.43	8,104.46	2,242.48	155,632.17
Milwaukee, City	KK-1	745	3,621.13	3,214.06	10,497.73	19,605.32	16,655.10	33,637.34	25,354.63	35,020.83	16,498.07	17,514.00	11,623.27	3,283.91	196,525.39
	KK-2	1,218	5,774.93	5,126.83	16,771.69	31,671.40	27,042.08	55,132.57	41,562.84	57,747.10	26,820.45	28,666.80	18,701.44	5,237.62	320,255.74
	KK-3	60	355.39	315.98	1,031.36	2,063.08	1,808.68	4,072.24	3,121.03	4,614.52	1,845.34	2,119.01	1,222.65	325.58	22,894.86
	KK-4	3,671	20,233.41	18,402.61	60,581.65	110,317.59	115,846.55	197,564.75	155,985.57	197,983.71	105,986.65	77,282.65	79,105.30	19,334.67	1,158,625.13
	KK-5	1,099	8,694.03	7,964.56	26,294.00	48,131.78	51,022.80	85,170.63	69,525.56	85,740.00	48,696.18	32,003.77	36,564.38	8,290.08	508,097.77
	KK-6	59	260.58	230.76	756.07	1,478.68	1,277.03	3,060.91	2,231.83	3,348.43	1,258.44	1,433.89	855.52	236.72	16,428.85
	KK-7	2,536	10,371.61	9,209.77	30,212.60	58,902.07	50,943.26	117,977.23	87,357.59	129,855.85	50,709.15	57,502.87	34,451.70	9,407.62	646,901.33
St. Francis, City	KK-4	66	364.38	331.41	1,091.02	1,986.71	2,086.28	3,557.95	2,809.15	3,565.49	1,908.71	1,391.78	1,424.61	348.20	20,865.69
West Allis, City	KK-2	340	1,612.92	1,431.90	4,684.27	8,845.71	7,552.76	15,398.34	11,608.36	16,128.57	7,490.86	8,006.54	5,223.25	1,462.85	89,446.32
	KK-3	734	4,361.33	3,877.64	12,656.75	25,317.91	22,195.92	49,974.00	38,300.89	56,628.89	22,645.85	26,004.22	15,004.19	3,995.42	280,963.03
West Milwaukee, Village	KK-3	304	1,806.22	1,605.90	5,241.72	10,485.27	9,192.31	20,696.45	15,862.09	23,452.53	9,378.65	10,769.50	6,213.90	1,654.68	116,359.23

Table A.6 (KK) - Baseline MS4 Fecal Coliform Loads - FINAL

Municipality	Reach	Area (acres)	Monthly Fecal Coliform Load (billion cells/month)					Average Recreation Season Fecal Coliform Load (billion cells/season)
			May	Jun	Jul	Aug	Sep	
Cudahy, City	KK-4	953	14,988.13	16,651.97	16,742.50	16,760.22	12,425.37	77,568.21
Greenfield, City	KK-1	108	2,082.53	2,417.07	2,409.64	2,472.67	1,751.80	11,133.70
	KK-2	111	2,056.92	2,383.42	2,378.98	2,439.96	1,723.47	10,982.74
	KK-4	649	10,208.94	11,342.24	11,403.90	11,415.97	8,463.35	52,834.39
	KK-6	556	8,770.67	10,196.75	10,112.29	10,379.59	7,188.54	46,647.83
Milwaukee, City	KK-1	745	14,340.13	16,643.74	16,592.58	17,026.62	12,062.73	76,665.80
	KK-2	1,218	22,553.16	26,133.11	26,084.33	26,752.95	18,896.98	120,420.53
	KK-3	60	1,160.87	1,337.75	1,341.86	1,381.06	976.19	6,197.72
	KK-4	3,671	57,707.16	64,113.25	64,461.80	64,530.03	47,840.05	298,652.29
	KK-5	1,099	23,002.50	25,366.32	26,325.35	26,249.33	20,024.59	120,968.09
	KK-6	59	925.85	1,076.39	1,067.47	1,095.69	758.84	4,924.24
	KK-7	2,536	36,904.85	42,733.58	42,632.90	43,679.39	30,586.10	196,536.83
St. Francis, City	KK-4	66	1,039.25	1,154.62	1,160.89	1,162.12	861.55	5,378.43
West Allis, City	KK-2	340	6,299.02	7,298.89	7,285.26	7,472.01	5,277.86	33,633.04
	KK-3	734	14,246.11	16,416.67	16,467.17	16,948.16	11,979.65	76,057.76
West Milwaukee, Village	KK-3	304	5,899.94	6,798.87	6,819.79	7,018.98	4,961.30	31,498.89

Table A.7 (KK) - Baseline Point Source Flows and Loads - FINAL

Note: TP Load based on permitted or average measured TP concentration.

An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft TMDL portion will be set aside as additional reserve capacity for the reach.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Month	Flow (MGD)	Flow (cfs)	TP Conc (mg/L)	TP Load (lbs/month)	TSS Conc (mg/L)	TSS Load (lbs/month)	Fecal Coliform Conc (cfu/100mL)	Fecal Coliform Load (billion cells/month)	Notes
Acme Galvanizing Inc	0044938	NCCW	003	KK-7	All	3.00E-03	4.64E-03	0.40	0.30	0	0	0	0	
Apiscent Labs	0044938	NCCW	001	KK-4	All	0.12	0.19	1.04	32.71	0	0	0	0	
Associated Spring	0044938	NCCW	001	KK-5	All	1.00E-04	1.55E-04	1.62	0.04	0	0	0	0	
Campbell Soup Supply Co LLC	0044938	NCCW	001	KK-5	All	0.09	0.14	0.72	16.44	0	0	0	0	
Elite Finishing	0044938	NCCW	001	KK-7	All	0.01	0.02	0.63	1.60	0	0	0	0	
General Electric Medical Tube Manufacturing	0044938	NCCW	001	KK-3	All	0.07	0.11	0.61	10.83	0	0	0	0	
	0044938	NCCW	002	KK-3	All	0.09	0.14	0.89	21.04	0	0	0	0	
General Mitchell International Airport	0046477	Individual	001	KK-5	All	0.06	0.09	0.78	11.87	45	685	0	0	Non-continuous deicing discharge. Outfall 003 discharges to Oak Creek. Flows are max annual average from permit application. P concentration from P point source load summary table. TSS is average from Mar 2006 - Jan 2015.
	0046477	Individual	007	KK-4	All	3.14	4.86	0.78	621.30	60	47792	0	0	
Great Lakes Water Institute	0045942	Individual	001	KK-7	All	0.26	0.40	0.50	32.98	10	660	0	0	
	0045942	Individual	002	KK-7	All	0.26	0.40	0.50	32.98	10	660	0	0	
Grebes Bakery	0044938	NCCW	001	KK-2	All	3.00E-04	4.64E-04	0.515	0.04	0	0	0	0	Phosphorus concentrations represent average residual concentration of water supply per WDNR.
	0044938	NCCW	002	KK-2	All	2.00E-03	3.09E-03	0.515	0.26	0	0	0	0	
	0044938	NCCW	003	KK-3	All	0.01	0.01	0.515	0.78	0	0	0	0	
Joy Mark Inc*	0044938	NCCW	001	KK-4	All	6.00E-06	9.28E-06	0.515	7.84E-04	0	0	0	0	Permit discontinued as of 03/13/2015. Phosphorus concentrations represent average residual concentration of water supply per WDNR.
Ladish Forging LLC	0000728	Individual	040	KK-4	All	0.23	0.36	0.40	23.34	10	583	0	0	Outfall 040 is the combined discharge of Ladish Outfalls 002 and 003 (NCCW discharges). Flow is estimated and reported on Discharge Monitoring Report; no other monitoring done at this outfall.
Malteurop North America Inc.	0044938	NCCW	001	KK-3	All	0.03	0.04	0.81	5.14	0	0	0	0	
Maynard Steel Casting Co*	0000272	Individual	002	KK-7	All	0.01	0.02	0.20	0.60	20	61	0	0	Permit discontinued March 2016.
Patrick Cudahy Inc	0044938	NCCW	001	KK-4	All	0.06	0.09	0	0	0	0	0	0	Source water does not contain phosphorus per WDNR.
Reliable Plating Works Inc	0044938	NCCW	001	KK-5	All	0.02	0.03	0.56	3.15	0	0	0	0	
Rexnord/Stearns Division	0044938	NCCW	001	KK-4	All	0.03	0.04	0.24	1.57	0	0	0	0	
St Luke's Medical Center	0044938	NCCW	008	KK-7	All	0.01	0.01	0.30	0.69	0	0	0	0	
	0044938	NCCW	009	KK-4	All	0.03	0.04	0.49	3.59	0	0	0	0	
	0044938	NCCW	011	KK-7	All	0.02	0.03	0.60	2.89	0	0	0	0	
	0044938	NCCW	016	KK-7	All	7.00E-04	1.08E-03	0.24	0.04	0	0	0	0	
Unit Drop Forge Co Inc	0044938	NCCW	001	KK-3	All	0.03	0.04	0.48	3.27	0	0	0	0	

Table A.8 (KK) - Baseline 4th Lowest Flow Used for Calculation of Allowable Total Phosphorus and Total Suspended Solids Loads - FINAL

Reach Waterbody Name and Extents	4th Lowest Flow (cfs)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
KK-1 Lyons Park Creek Entire Length	0.69	0.93	1.26	1.33	1.24	1.06	1.19	1.15	0.95	0.66	0.54	0.59
KK-2 Kinnickinnic River From Wilson Park Creek to Lyons Park Creek	3.27	4.31	5.83	6.20	5.86	5.05	5.67	5.54	4.60	3.22	2.66	2.88
KK-3 South 43rd St Ditch Entire Length	1.22	1.55	2.05	2.18	2.11	1.89	2.19	2.13	1.79	1.27	1.07	1.13
KK-4 Edgerton Channel, Wilson Park Creek, Villa Mann Creek Entire Length	7.53	10.96	13.40	13.13	11.04	9.36	10.20	9.65	8.44	6.88	6.09	6.55
KK-5 Holmes Avenue Creek Entire Length	1.24	1.90	2.35	2.31	1.88	1.61	1.88	1.75	1.53	1.19	1.09	1.13
KK-6 Cherokee Park Creek Entire Length	0.49	0.67	0.89	0.93	0.87	0.74	0.80	0.77	0.64	0.46	0.38	0.42
KK-7 Kinnickinnic River From Estuary to Wilson Park Creek	13.69	17.76	22.63	22.96	21.46	19.70	20.94	19.70	15.59	12.25	10.92	11.93

Table A.9 (KK) - Baseline Incremental Flows Used for Calculation of Allowable Fecal Coliform Loads - FINAL

Note: Flows based on modeled flow data for the months of May through September.

Flow values represent flow contribution to total streamflow from individual TMDL reach subbasin.

Reach Waterbody Name and Extents	Flow Regime (cfs)				
	Low	Dry	Mid	Moist	High
KK-1 Lyons Park Creek Entire Length	0.40	0.87	1.21	1.82	3.34
KK-2 Kinnickinnic River From Wilson Park Creek to Lyons Park Creek	0.78	1.68	2.36	3.54	6.56
KK-3 South 43rd St Ditch Entire Length	0.85	1.62	2.22	3.20	4.91
KK-4 Edgerton Channel, Wilson Park Creek, Villa Mann Creek Entire Length	3.48	6.83	9.17	13.35	19.52
KK-5 Holmes Avenue Creek Entire Length	0.87	1.42	2.21	3.08	4.58
KK-6 Cherokee Park Creek Entire Length	0.28	0.60	0.85	1.23	2.37
KK-7 Kinnickinnic River From Estuary to Wilson Park Creek	1.89	3.06	3.93	5.51	9.25

Table A.10 (KK) - Daily Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TP Load (lbs/day)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
KK-1 Lyons Park Creek Entire Length	Total Loading Capacity	0.28	0.38	0.51	0.54	0.50	0.43	0.48	0.47	0.38	0.27	0.22	0.24	142.55
	Reserve Capacity	0.01	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	7.10
	Load Allocation	5.57E-04	1.05E-03	3.43E-03	3.67E-03	3.36E-03	9.10E-04	5.27E-04	3.46E-04	3.25E-04	3.45E-04	3.55E-04	4.40E-04	0.47
	Background	5.57E-04	1.05E-03	3.43E-03	3.67E-03	3.36E-03	9.10E-04	5.27E-04	3.46E-04	3.25E-04	3.45E-04	3.55E-04	4.40E-04	0.47
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	0.26	0.36	0.48	0.51	0.47	0.41	0.46	0.44	0.36	0.25	0.21	0.23	134.98
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	0.26	0.36	0.48	0.51	0.47	0.41	0.46	0.44	0.36	0.25	0.21	0.23	134.98
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
KK-2 Kinnickinnic River From Wilson Park Creek to Lyons Park Creek	Total Loading Capacity	0.55	0.74	1.02	1.09	1.01	0.85	0.93	0.91	0.76	0.53	0.42	0.47	282.33
	Reserve Capacity	0.03	0.04	0.05	0.05	0.05	0.04	0.05	0.05	0.04	0.03	0.02	0.02	13.88
	Load Allocation	4.88E-03	9.40E-03	0.04	0.04	0.04	5.82E-03	2.47E-03	2.22E-03	2.08E-03	2.37E-03	2.62E-03	3.75E-03	4.74
	Background	4.88E-03	9.40E-03	0.04	0.04	0.04	5.82E-03	2.47E-03	2.22E-03	2.08E-03	2.37E-03	2.62E-03	3.75E-03	4.74
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	0.52	0.70	0.93	1.00	0.93	0.80	0.88	0.87	0.72	0.50	0.40	0.44	263.70
	General Permits - NCCW	0.01	0.01	0.02	4.16E-03	4.21E-03	3.91E-03	3.38E-03	4.01E-03	3.95E-03	3.07E-03	2.90E-03	3.58E-03	2.33
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	0.51	0.68	0.91	0.99	0.92	0.80	0.87	0.86	0.71	0.49	0.40	0.44	261.38
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
KK-3 South 43rd St Ditch Entire Length	Total Loading Capacity	0.49	0.63	0.83	0.88	0.85	0.76	0.89	0.86	0.72	0.51	0.43	0.46	253.13
	Reserve Capacity	0.02	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.02	0.02	12.63
	Load Allocation	1.00E-03	1.84E-03	4.27E-03	4.36E-03	3.50E-03	7.22E-04	3.52E-04	3.81E-04	3.61E-04	4.25E-04	4.14E-04	7.86E-04	0.56
	Background	1.00E-03	1.84E-03	4.27E-03	4.36E-03	3.50E-03	7.22E-04	3.52E-04	3.81E-04	3.61E-04	4.25E-04	4.14E-04	7.86E-04	0.56
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	0.47	0.59	0.79	0.83	0.81	0.72	0.84	0.82	0.69	0.49	0.41	0.44	239.94
	General Permits - NCCW	0.24	0.27	0.30	0.29	0.30	0.28	0.30	0.33	0.30	0.22	0.20	0.21	98.27
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	0.22	0.32	0.49	0.54	0.51	0.44	0.54	0.49	0.39	0.26	0.22	0.22	141.66
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
KK-4 Edgerton Channel, Wilson Park Creek, Villa Mann Creek Entire Length	Total Loading Capacity	2.35	3.40	4.11	4.00	3.35	2.84	3.04	2.88	2.54	2.12	1.87	2.03	1,049.67
	Reserve Capacity	0.12	0.16	0.19	0.19	0.16	0.14	0.15	0.14	0.13	0.11	0.09	0.10	51.25
	Load Allocation	0.02	0.12	0.23	0.23	0.12	0.02	0.02	0.02	7.08E-03	7.34E-03	6.81E-03	0.01	24.70
	Background	0.02	0.12	0.23	0.23	0.12	0.02	0.02	0.02	7.08E-03	7.34E-03	6.81E-03	0.01	24.70
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	2.21	3.11	3.69	3.58	3.07	2.67	2.87	2.73	2.40	2.00	1.77	1.91	973.73
	General Permits - NCCW	0.09	0.12	0.13	0.12	0.11	0.10	0.11	0.11	0.10	0.09	0.08	0.08	37.77
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	0.51	0.92	1.31	1.35	1.08	0.85	0.92	0.77	0.60	0.47	0.41	0.46	293.01
Individual Permits	1.61	2.07	2.25	2.11	1.88	1.73	1.84	1.85	1.70	1.45	1.29	1.37	642.95	

Table A.10 (KK) - Daily Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TP Load (lbs/day)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
KK-5 Holmes Avenue Creek Entire Length	Total Loading Capacity	0.50	0.77	0.95	0.94	0.76	0.65	0.76	0.71	0.62	0.48	0.44	0.46	244.32
	Reserve Capacity	0.02	0.04	0.05	0.05	0.04	0.03	0.04	0.04	0.03	0.02	0.02	0.02	12.13
	Load Allocation	1.52E-03	9.84E-03	0.02	0.02	8.16E-03	1.29E-03	1.02E-03	1.00E-03	1.07E-03	9.96E-04	8.25E-04	1.15E-03	1.81
	Background	1.52E-03	9.84E-03	0.02	0.02	8.16E-03	1.29E-03	1.02E-03	1.00E-03	1.07E-03	9.96E-04	8.25E-04	1.15E-03	1.81
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	0.47	0.72	0.89	0.87	0.72	0.62	0.72	0.67	0.59	0.46	0.42	0.43	230.38
	General Permits - NCCW	0.12	0.15	0.15	0.14	0.13	0.13	0.14	0.14	0.14	0.11	0.10	0.10	46.87
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	0.29	0.48	0.65	0.64	0.50	0.42	0.50	0.45	0.37	0.28	0.26	0.27	155.17
Individual Permits	0.07	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.07	0.06	0.06	28.35	
KK-6 Cherokee Park Creek Entire Length	Total Loading Capacity	0.20	0.27	0.36	0.38	0.35	0.30	0.33	0.31	0.26	0.19	0.15	0.17	99.19
	Reserve Capacity	9.91E-03	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.01	9.21E-03	7.65E-03	8.36E-03	4.91
	Load Allocation	1.28E-03	2.39E-03	7.59E-03	8.16E-03	7.45E-03	2.12E-03	1.24E-03	8.14E-04	7.64E-04	8.08E-04	8.28E-04	1.01E-03	1.05
	Background	1.28E-03	2.39E-03	7.59E-03	8.16E-03	7.45E-03	2.12E-03	1.24E-03	8.14E-04	7.64E-04	8.08E-04	8.28E-04	1.01E-03	1.05
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	0.19	0.25	0.34	0.35	0.33	0.28	0.31	0.30	0.25	0.17	0.15	0.16	93.24
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	0.19	0.25	0.34	0.35	0.33	0.28	0.31	0.30	0.25	0.17	0.15	0.16	93.24
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
KK-7 Kinnickinnic River From Estuary to Wilson Park Creek	Total Loading Capacity	3.02	3.40	4.43	4.57	4.75	4.80	4.87	4.48	3.13	2.52	2.35	2.62	1,366.25
	Reserve Capacity	0.15	0.17	0.22	0.23	0.24	0.24	0.24	0.22	0.16	0.13	0.12	0.13	68.11
	Load Allocation	4.74E-03	0.01	0.03	0.03	0.03	5.42E-03	2.73E-03	2.58E-03	2.17E-03	2.22E-03	2.36E-03	3.74E-03	4.06
	Background	4.74E-03	0.01	0.03	0.03	0.03	5.42E-03	2.73E-03	2.58E-03	2.17E-03	2.22E-03	2.36E-03	3.74E-03	4.06
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	2.86	3.22	4.18	4.31	4.48	4.55	4.63	4.26	2.98	2.39	2.23	2.48	1,294.08
	General Permits - NCCW	0.12	0.12	0.13	0.12	0.13	0.14	0.13	0.14	0.10	0.09	0.09	0.10	42.64
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	1.31	1.70	2.51	2.73	2.78	2.71	2.90	2.47	1.62	1.22	1.12	1.21	737.91
Individual Permits	1.43	1.40	1.54	1.46	1.57	1.70	1.60	1.65	1.25	1.08	1.03	1.18	513.53	

Table A.11 (KK) - Monthly Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
KK-1 Lyons Park Creek Entire Length	Total Loading Capacity	8.47	11.42	15.50	16.30	15.28	13.08	14.63	14.17	11.69	8.11	6.64	7.24	142.55
	Reserve Capacity	0.42	0.57	0.77	0.81	0.76	0.65	0.73	0.71	0.58	0.41	0.33	0.36	7.10
	Load Allocation	0.02	0.03	0.10	0.11	0.10	0.03	0.02	0.01	9.87E-03	0.01	0.01	0.01	0.47
	Background	0.02	0.03	0.10	0.11	0.10	0.03	0.02	0.01	9.87E-03	0.01	0.01	0.01	0.47
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	8.03	10.82	14.63	15.38	14.42	12.40	13.88	13.45	11.10	7.70	6.30	6.87	134.98
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	8.03	10.82	14.63	15.38	14.42	12.40	13.88	13.45	11.10	7.70	6.30	6.87	134.98
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
KK-2 Kinnickinnic River From Wilson Park Creek to Lyons Park Creek	Total Loading Capacity	16.76	22.58	30.94	33.20	30.83	25.89	28.16	27.78	22.99	15.99	12.92	14.29	282.33
	Reserve Capacity	0.83	1.11	1.49	1.60	1.48	1.29	1.40	1.39	1.15	0.80	0.64	0.71	13.88
	Load Allocation	0.15	0.29	1.23	1.29	1.15	0.18	0.07	0.07	0.06	0.07	0.08	0.11	4.74
	Background	0.15	0.29	1.23	1.29	1.15	0.18	0.07	0.07	0.06	0.07	0.08	0.11	4.74
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	15.78	21.18	28.23	30.32	28.20	24.43	26.68	26.33	21.78	15.12	12.20	13.46	263.70
	General Permits - NCCW	0.36	0.44	0.52	0.13	0.13	0.12	0.10	0.12	0.12	0.09	0.09	0.11	2.33
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	15.42	20.74	27.71	30.19	28.07	24.31	26.58	26.21	21.66	15.03	12.11	13.35	261.38
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
KK-3 South 43rd St Ditch Entire Length	Total Loading Capacity	15.02	19.03	25.25	26.79	25.94	23.21	27.00	26.19	21.97	15.57	13.22	13.95	253.13
	Reserve Capacity	0.75	0.95	1.26	1.33	1.29	1.16	1.35	1.31	1.10	0.78	0.66	0.70	12.63
	Load Allocation	0.03	0.06	0.13	0.13	0.11	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.56
	Background	0.03	0.06	0.13	0.13	0.11	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.56
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	14.24	18.02	23.87	25.32	24.54	22.03	25.64	24.87	20.86	14.78	12.55	13.23	239.94
	General Permits - NCCW	7.41	8.15	9.11	8.87	8.98	8.53	9.16	9.89	8.99	6.80	5.93	6.46	98.27
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	6.83	9.87	14.76	16.45	15.56	13.49	16.49	14.98	11.87	7.97	6.62	6.77	141.66
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
KK-4 Edgerton Channel, Wilson Park Creek, Villa Mann Creek Entire Length	Total Loading Capacity	71.36	103.35	124.91	121.59	101.94	86.26	92.57	87.70	77.11	64.37	56.89	61.60	1,049.67
	Reserve Capacity	3.54	4.98	5.90	5.74	4.91	4.28	4.60	4.36	3.84	3.21	2.83	3.06	51.25
	Load Allocation	0.50	3.74	6.89	6.88	3.80	0.75	0.62	0.49	0.22	0.22	0.21	0.38	24.70
	Background	0.50	3.74	6.89	6.88	3.80	0.75	0.62	0.49	0.22	0.22	0.21	0.38	24.70
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	67.31	94.63	112.13	108.97	93.24	81.24	87.35	82.85	73.05	60.94	53.85	58.16	973.73
	General Permits - NCCW	2.88	3.69	4.01	3.77	3.36	3.08	3.29	3.31	3.04	2.59	2.30	2.46	37.77
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	15.40	28.08	39.83	41.10	32.73	25.70	28.02	23.26	18.24	14.25	12.49	13.92	293.01
Individual Permits	49.03	62.86	68.28	64.11	57.15	52.46	56.03	56.28	51.77	44.10	39.07	41.79	642.95	

Table A.11 (KK) - Monthly Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
KK-5 Holmes Avenue Creek Entire Length	Total Loading Capacity	15.24	23.38	28.93	28.47	23.18	19.83	23.09	21.52	18.78	14.63	13.36	13.89	244.32
	Reserve Capacity	0.76	1.15	1.42	1.40	1.15	0.99	1.15	1.07	0.94	0.73	0.67	0.69	12.13
	Load Allocation	0.05	0.30	0.50	0.50	0.25	0.04	0.03	0.03	0.03	0.03	0.03	0.03	1.81
	Background	0.05	0.30	0.50	0.50	0.25	0.04	0.03	0.03	0.03	0.03	0.03	0.03	1.81
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	14.44	21.92	27.02	26.57	21.79	18.81	21.91	20.42	17.81	13.87	12.66	13.16	230.38
	General Permits - NCCW	3.53	4.48	4.53	4.35	4.04	3.83	4.26	4.27	4.15	3.28	3.05	3.09	46.87
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	8.78	14.74	19.74	19.59	15.31	12.66	15.07	13.57	11.15	8.61	7.77	8.20	155.17
Individual Permits	2.13	2.71	2.74	2.63	2.44	2.32	2.58	2.58	2.51	1.98	1.84	1.87	28.35	
KK-6 Cherokee Park Creek Entire Length	Total Loading Capacity	6.07	8.19	10.97	11.47	10.67	9.07	9.90	9.53	7.91	5.62	4.68	5.12	99.19
	Reserve Capacity	0.30	0.41	0.54	0.56	0.52	0.45	0.49	0.48	0.39	0.28	0.23	0.25	4.91
	Load Allocation	0.04	0.07	0.23	0.25	0.23	0.06	0.04	0.02	0.02	0.02	0.03	0.03	1.05
	Background	0.04	0.07	0.23	0.25	0.23	0.06	0.04	0.02	0.02	0.02	0.03	0.03	1.05
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	5.72	7.71	10.21	10.66	9.92	8.55	9.37	9.03	7.49	5.32	4.42	4.83	93.24
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	5.72	7.71	10.21	10.66	9.92	8.55	9.37	9.03	7.49	5.32	4.42	4.83	93.24
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
KK-7 Kinnickinnic River From Estuary to Wilson Park Creek	Total Loading Capacity	91.74	103.40	134.72	138.89	144.27	145.84	148.13	136.26	95.27	76.65	71.48	79.59	1,366.25
	Reserve Capacity	4.58	5.15	6.69	6.89	7.17	7.28	7.40	6.81	4.76	3.83	3.57	3.97	68.11
	Load Allocation	0.14	0.34	1.01	1.06	0.86	0.16	0.08	0.08	0.07	0.07	0.07	0.11	4.06
	Background	0.14	0.34	1.01	1.06	0.86	0.16	0.08	0.08	0.07	0.07	0.07	0.11	4.06
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	87.02	97.90	127.03	130.94	136.24	138.39	140.64	129.37	90.44	72.76	67.84	75.50	1,294.08
	General Permits - NCCW	3.62	3.54	3.88	3.67	3.97	4.29	4.03	4.17	3.16	2.74	2.60	2.97	42.64
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	39.83	51.80	76.44	83.02	84.41	82.39	88.13	74.94	49.23	37.08	33.92	36.73	737.91
Individual Permits	43.57	42.57	46.71	44.25	47.86	51.70	48.49	50.26	38.05	32.94	31.32	35.80	513.53	

Table A.12 (KK) - Daily Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TSS Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
KK-1 Lyons Park Creek Entire Length	Total Loading Capacity	44.59	60.12	81.59	85.81	80.43	68.84	76.98	74.57	61.52	42.70	34.95	38.13	22,807.30	
	Reserve Capacity	2.22	2.99	4.06	4.27	4.00	3.43	3.84	3.72	3.07	2.13	1.74	1.90	1,136.41	
	Load Allocation	0.16	0.26	0.47	0.50	0.41	0.18	0.10	0.08	0.09	0.11	0.11	0.12	79.12	
	Background	0.16	0.26	0.47	0.50	0.41	0.18	0.10	0.08	0.09	0.11	0.11	0.12	79.12	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	42.20	56.87	77.06	81.04	76.02	65.23	73.04	70.77	58.36	40.47	33.10	36.11	21,591.78	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	42.20	56.87	77.06	81.04	76.02	65.23	73.04	70.77	58.36	40.47	33.10	36.11	21,591.78	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KK-2 Kinnickinnic River From Wilson Park Creek to Lyons Park Creek	Total Loading Capacity	88.20	118.82	162.85	174.73	162.28	136.25	148.22	146.22	121.02	84.16	67.99	75.19	45,172.07	
	Reserve Capacity	4.35	5.85	7.94	8.52	7.93	6.76	7.39	7.29	6.02	4.18	3.36	3.72	2,228.82	
	Load Allocation	1.11	1.77	4.04	4.34	3.60	1.15	0.46	0.48	0.56	0.63	0.69	0.79	595.69	
	Background	1.11	1.77	4.04	4.34	3.60	1.15	0.46	0.48	0.56	0.63	0.69	0.79	595.69	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	82.73	111.21	150.87	161.87	150.74	128.35	140.38	138.46	114.44	79.36	63.93	70.68	42,347.55	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	82.73	111.21	150.87	161.87	150.74	128.35	140.38	138.46	114.44	79.36	63.93	70.68	42,347.55	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KK-3 South 43rd St Ditch Entire Length	Total Loading Capacity	79.04	100.13	132.90	141.00	136.52	122.15	142.12	137.86	115.62	81.93	69.57	73.40	40,500.18	
	Reserve Capacity	3.94	4.99	6.61	7.02	6.80	6.10	7.10	6.89	5.78	4.09	3.47	3.66	2,020.47	
	Load Allocation	0.17	0.27	0.63	0.66	0.56	0.16	0.06	0.08	0.09	0.10	0.09	0.12	90.76	
	Background	0.17	0.27	0.63	0.66	0.56	0.16	0.06	0.08	0.09	0.10	0.09	0.12	90.76	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	74.92	94.87	125.66	133.32	129.16	115.89	134.95	130.89	109.76	77.74	66.00	69.61	38,388.95	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	74.92	94.87	125.66	133.32	129.16	115.89	134.95	130.89	109.76	77.74	66.00	69.61	38,388.95	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KK-4 Edgerton Channel, Wilson Park Creek, Villa Mann Creek Entire Length	Total Loading Capacity	375.59	543.95	657.44	639.96	536.54	454.01	487.19	461.59	405.86	338.79	299.45	324.22	167,947.86	
	Reserve Capacity	18.63	26.70	32.08	31.21	26.34	22.43	24.14	22.90	20.22	16.87	14.91	16.11	8,285.52	
	Load Allocation	2.89	9.96	15.80	15.74	9.75	5.34	4.46	3.59	1.45	1.44	1.23	1.95	2,237.45	
	Background	2.89	9.96	15.80	15.74	9.75	5.34	4.46	3.59	1.45	1.44	1.23	1.95	2,237.45	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	354.06	507.29	609.56	593.02	500.45	426.24	458.59	435.11	384.19	320.48	283.31	306.16	157,424.89	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	109.11	199.84	325.94	374.29	342.27	298.85	359.64	333.77	266.27	194.89	137.89	123.32	93,208.99	
Individual Permits	244.95	307.45	283.62	218.73	158.18	127.39	98.95	101.34	117.92	125.59	145.42	182.84	64,215.90		

Table A.12 (KK) - Daily Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TSS Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
KK-5 Holmes Avenue Creek Entire Length	Total Loading Capacity	80.24	123.04	152.29	149.82	122.02	104.39	121.55	113.27	98.84	77.02	70.29	73.11	39,090.67	
	Reserve Capacity	3.99	6.07	7.51	7.39	6.06	5.21	6.07	5.65	4.93	3.84	3.50	3.64	1,941.60	
	Load Allocation	0.38	1.60	2.03	1.97	0.75	0.24	0.21	0.26	0.30	0.28	0.23	0.27	258.68	
	Background	0.38	1.60	2.03	1.97	0.75	0.24	0.21	0.26	0.30	0.28	0.23	0.27	258.68	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	75.86	115.37	142.75	140.46	115.21	98.94	115.27	107.36	93.61	72.90	66.56	69.20	36,890.39	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	61.86	98.66	130.52	134.44	110.03	94.42	111.97	104.66	88.37	67.59	58.98	59.41	34,075.85	
Individual Permits	14.00	16.71	12.23	6.01	5.18	4.52	3.30	2.70	5.25	5.31	7.58	9.79	2,814.54		
KK-6 Cherokee Park Creek Entire Length	Total Loading Capacity	31.92	43.08	57.75	60.38	56.14	47.73	52.12	50.18	41.62	29.60	24.61	26.92	15,870.67	
	Reserve Capacity	1.58	2.12	2.83	2.96	2.76	2.36	2.59	2.50	2.07	1.47	1.22	1.33	784.36	
	Load Allocation	0.39	0.61	1.08	1.14	0.95	0.43	0.24	0.19	0.22	0.25	0.26	0.29	183.48	
	Background	0.39	0.61	1.08	1.14	0.95	0.43	0.24	0.19	0.22	0.25	0.26	0.29	183.48	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	29.96	40.35	53.84	56.28	52.44	44.93	49.29	47.49	39.33	27.88	23.13	25.31	14,902.83	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	29.96	40.35	53.84	56.28	52.44	44.93	49.29	47.49	39.33	27.88	23.13	25.31	14,902.83	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KK-7 Kinnickinnic River From Estuary to Wilson Park Creek	Total Loading Capacity	187.25	160.87	220.60	235.31	296.00	342.32	327.68	291.95	164.93	139.03	140.46	161.43	81,102.25	
	Reserve Capacity	9.31	7.97	10.87	11.59	14.66	17.07	16.36	14.57	8.22	6.92	6.99	8.03	4,029.51	
	Load Allocation	1.09	1.50	3.23	3.46	2.86	0.99	0.45	0.62	0.57	0.61	0.63	0.82	512.04	
	Background	1.09	1.50	3.23	3.46	2.86	0.99	0.45	0.62	0.57	0.61	0.63	0.82	512.04	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	176.86	151.40	206.49	220.26	278.49	324.27	310.87	276.76	156.15	131.50	132.84	152.57	76,560.69	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	133.02	120.80	179.10	205.83	263.26	307.25	301.80	267.47	148.76	122.22	116.53	125.01	69,647.73	
Individual Permits	43.84	30.60	27.40	14.43	15.23	17.01	9.07	9.29	7.39	9.28	16.31	27.56	6,912.96		

Table A.13 (KK) - Monthly Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
KK-1 Lyons Park Creek Entire Length	Total Loading Capacity	1,355.52	1,827.80	2,480.33	2,608.53	2,445.12	2,092.76	2,340.22	2,266.94	1,870.24	1,298.16	1,062.57	1,159.10	22,807.30
	Reserve Capacity	67.53	90.99	123.30	129.67	121.63	104.36	116.86	113.22	93.37	64.75	52.96	57.77	1,136.41
	Load Allocation	4.99	7.92	14.27	15.12	12.60	5.55	3.06	2.45	2.86	3.20	3.40	3.69	79.12
	Background	4.99	7.92	14.27	15.12	12.60	5.55	3.06	2.45	2.86	3.20	3.40	3.69	79.12
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	1,283.00	1,728.88	2,342.76	2,463.74	2,310.89	1,982.85	2,220.30	2,151.27	1,774.01	1,230.21	1,006.21	1,097.64	21,591.78
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	1,283.00	1,728.88	2,342.76	2,463.74	2,310.89	1,982.85	2,220.30	2,151.27	1,774.01	1,230.21	1,006.21	1,097.64	21,591.78
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
KK-2 Kinnickinnic River From Wilson Park Creek to Lyons Park Creek	Total Loading Capacity	2,681.25	3,612.25	4,950.59	5,311.72	4,933.18	4,142.05	4,505.94	4,445.13	3,679.04	2,558.44	2,066.79	2,285.68	45,172.07
	Reserve Capacity	132.37	177.93	241.40	259.00	241.19	205.35	224.60	221.53	183.11	126.97	102.29	113.08	2,228.82
	Load Allocation	33.76	53.66	122.69	131.80	109.39	35.01	13.94	14.57	16.89	19.07	20.95	23.99	595.69
	Background	33.76	53.66	122.69	131.80	109.39	35.01	13.94	14.57	16.89	19.07	20.95	23.99	595.69
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	2,515.11	3,380.66	4,586.51	4,920.92	4,582.60	3,901.69	4,267.41	4,209.03	3,479.04	2,412.41	1,943.55	2,148.61	42,347.55
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	2,515.11	3,380.66	4,586.51	4,920.92	4,582.60	3,901.69	4,267.41	4,209.03	3,479.04	2,412.41	1,943.55	2,148.61	42,347.55
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
KK-3 South 43rd St Ditch Entire Length	Total Loading Capacity	2,402.66	3,044.08	4,040.26	4,286.45	4,150.19	3,713.50	4,320.41	4,190.91	3,514.99	2,490.54	2,114.88	2,231.31	40,500.18
	Reserve Capacity	119.87	151.80	201.06	213.31	206.66	185.43	215.93	209.43	175.62	124.38	105.61	111.38	2,020.47
	Load Allocation	5.26	8.17	19.08	20.21	17.00	4.87	1.87	2.35	2.61	2.91	2.74	3.69	90.76
	Background	5.26	8.17	19.08	20.21	17.00	4.87	1.87	2.35	2.61	2.91	2.74	3.69	90.76
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	2,277.53	2,884.11	3,820.12	4,052.92	3,926.53	3,523.20	4,102.61	3,979.14	3,336.76	2,363.25	2,006.54	2,116.23	38,388.95
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	2,277.53	2,884.11	3,820.12	4,052.92	3,926.53	3,523.20	4,102.61	3,979.14	3,336.76	2,363.25	2,006.54	2,116.23	38,388.95
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
KK-4 Edgerton Channel, Wilson Park Creek, Villa Mann Creek Entire Length	Total Loading Capacity	11,417.88	16,536.07	19,986.31	19,454.89	16,310.91	13,801.84	14,810.53	14,032.46	12,338.11	10,299.31	9,103.18	9,856.36	167,947.86
	Reserve Capacity	566.50	811.66	975.30	948.83	800.72	681.98	733.74	696.17	614.71	512.78	453.29	489.85	8,285.52
	Load Allocation	87.94	302.92	480.24	478.38	296.46	162.21	135.71	109.09	43.96	43.79	37.34	59.39	2,237.45
	Background	87.94	302.92	480.24	478.38	296.46	162.21	135.71	109.09	43.96	43.79	37.34	59.39	2,237.45
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	10,763.45	15,421.49	18,530.76	18,027.69	15,213.73	12,957.65	13,941.08	13,227.20	11,679.44	9,742.74	8,612.54	9,307.12	157,424.89
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	3,317.01	6,075.12	9,908.59	11,378.43	10,405.15	9,084.93	10,933.08	10,146.59	8,094.55	5,924.75	4,191.91	3,748.88	93,208.99
Individual Permits	7,446.44	9,346.37	8,622.17	6,649.26	4,808.57	3,872.72	3,008.00	3,080.61	3,584.89	3,817.99	4,420.63	5,558.24	64,215.90	

Table A.13 (KK) - Monthly Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
KK-5 Holmes Avenue Creek Entire Length	Total Loading Capacity	2,439.15	3,740.40	4,629.48	4,554.67	3,709.45	3,173.46	3,695.06	3,443.50	3,004.68	2,341.34	2,136.88	2,222.61	39,090.67	
	Reserve Capacity	121.38	184.59	228.39	224.73	184.34	158.31	184.44	171.78	149.78	116.65	106.50	110.72	1,941.60	
	Load Allocation	11.56	48.61	61.59	59.98	22.69	7.28	6.27	8.00	9.14	8.41	6.92	8.21	258.68	
	Background	11.56	48.61	61.59	59.98	22.69	7.28	6.27	8.00	9.14	8.41	6.92	8.21	258.68	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	2,306.21	3,507.19	4,339.49	4,269.95	3,502.42	3,007.87	3,504.35	3,263.73	2,845.76	2,216.29	2,023.46	2,103.68	36,890.39	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	1,880.62	2,999.22	3,967.76	4,087.11	3,344.85	2,870.43	3,403.97	3,181.72	2,686.30	2,054.82	1,792.97	1,806.07	34,075.85	
Individual Permits	425.59	507.97	371.73	182.85	157.56	137.44	100.38	82.01	159.46	161.46	230.49	297.61	2,814.54		
KK-6 Cherokee Park Creek Entire Length	Total Loading Capacity	970.41	1,309.75	1,755.74	1,835.51	1,706.74	1,450.84	1,584.42	1,525.58	1,265.20	899.88	748.15	818.43	15,870.67	
	Reserve Capacity	47.94	64.56	86.15	90.04	83.90	71.89	78.86	75.99	62.92	44.62	37.01	40.49	784.36	
	Load Allocation	11.71	18.56	32.76	34.67	28.78	12.95	7.21	5.79	6.78	7.57	8.03	8.67	183.48	
	Background	11.71	18.56	32.76	34.67	28.78	12.95	7.21	5.79	6.78	7.57	8.03	8.67	183.48	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	910.77	1,226.63	1,636.84	1,710.80	1,594.07	1,366.00	1,498.34	1,443.80	1,195.50	847.69	703.11	769.27	14,902.83	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	910.77	1,226.63	1,636.84	1,710.80	1,594.07	1,366.00	1,498.34	1,443.80	1,195.50	847.69	703.11	769.27	14,902.83	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KK-7 Kinnickinnic River From Estuary to Wilson Park Creek	Total Loading Capacity	5,692.53	4,890.44	6,706.10	7,153.57	8,998.50	10,406.64	9,961.46	8,875.17	5,013.99	4,226.52	4,269.97	4,907.36	81,102.25	
	Reserve Capacity	282.97	242.24	330.39	352.42	445.58	518.83	497.39	442.81	249.83	210.40	212.54	244.12	4,029.51	
	Load Allocation	33.08	45.71	98.29	105.23	86.83	30.04	13.75	18.95	17.29	18.62	19.20	25.05	512.04	
	Background	33.08	45.71	98.29	105.23	86.83	30.04	13.75	18.95	17.29	18.62	19.20	25.05	512.04	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	5,376.47	4,602.50	6,277.41	6,695.93	8,466.08	9,857.77	9,450.32	8,413.42	4,746.86	3,997.51	4,038.23	4,638.19	76,560.69	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	4,043.75	3,672.34	5,444.54	6,257.20	8,003.07	9,340.51	9,174.68	8,131.12	4,522.22	3,715.50	3,542.45	3,800.35	69,647.73	
Individual Permits	1,332.72	930.16	832.87	438.73	463.02	517.25	275.64	282.29	224.64	282.01	495.78	837.85	6,912.96		

Table A.14 (KK) - Daily Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily Fecal Coliform Load (billion cells/day)				
		Low	Dry	Mid	Moist	Wet
KK-1 Lyons Park Creek Entire Length	Total Loading Capacity	3.87	8.48	11.89	17.79	32.67
	Reserve Capacity	-	-	-	-	-
	Load Allocation	1.57E-03	4.84E-03	7.86E-03	0.01	0.03
	Background	1.57E-03	4.84E-03	7.86E-03	0.01	0.03
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	3.87	8.48	11.88	17.78	32.63
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	3.87	8.48	11.88	17.78	32.63
Individual Permits	-	-	-	-	-	
KK-2 Kinnickinnic River From Wilson Park Creek to Lyons Park Creek	Total Loading Capacity	7.66	16.42	23.11	34.60	64.20
	Reserve Capacity	-	-	-	-	-
	Load Allocation	9.46E-03	0.03	0.05	0.10	0.26
	Background	9.46E-03	0.03	0.05	0.10	0.26
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	7.65	16.39	23.06	34.50	63.95
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	7.65	16.39	23.06	34.50	63.95
Individual Permits	-	-	-	-	-	
KK-3 South 43rd St Ditch Entire Length	Total Loading Capacity	8.33	15.82	21.72	31.33	48.07
	Reserve Capacity	-	-	-	-	-
	Load Allocation	1.30E-03	4.40E-03	8.06E-03	0.02	0.04
	Background	1.30E-03	4.40E-03	8.06E-03	0.02	0.04
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	8.32	15.81	21.71	31.32	48.04
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	8.32	15.81	21.71	31.32	48.04
Individual Permits	-	-	-	-	-	
KK-4 Edgerton Channel, Wilson Park Creek, Villa Mann Creek Entire Length	Total Loading Capacity	34.05	66.80	89.70	130.67	191.07
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.02	0.08	0.14	0.28	0.55
	Background	0.02	0.08	0.14	0.28	0.55
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	34.02	66.71	89.56	130.39	190.52
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	34.02	66.71	89.56	130.39	190.52
Individual Permits	-	-	-	-	-	

Table A.14 (KK) - Daily Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily Fecal Coliform Load (billion cells/day)				
		Low	Dry	Mid	Moist	Wet
KK-5 Holmes Avenue Creek Entire Length	Total Loading Capacity	8.49	13.92	21.64	30.10	44.80
	Reserve Capacity	-	-	-	-	-
	Load Allocation	4.89E-03	9.94E-03	0.02	0.03	0.05
	Background	4.89E-03	9.94E-03	0.02	0.03	0.05
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	8.49	13.91	21.62	30.07	44.75
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	8.49	13.91	21.62	30.07	44.75
Individual Permits	-	-	-	-	-	
KK-6 Cherokee Park Creek Entire Length	Total Loading Capacity	2.78	5.83	8.28	12.06	23.16
	Reserve Capacity	-	-	-	-	-
	Load Allocation	3.81E-03	0.01	0.02	0.03	0.08
	Background	3.81E-03	0.01	0.02	0.03	0.08
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	2.78	5.82	8.26	12.02	23.07
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	2.78	5.82	8.26	12.02	23.07
Individual Permits	-	-	-	-	-	
KK-7 Kinnickinnic River From Estuary to Wilson Park Creek	Total Loading Capacity	18.46	29.93	38.46	53.97	90.53
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.01	0.03	0.04	0.09	0.24
	Background	0.01	0.03	0.04	0.09	0.24
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	18.45	29.91	38.41	53.88	90.29
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	18.45	29.91	38.41	53.88	90.29
Individual Permits	-	-	-	-	-	

Table A.15 (KK) - Monthly Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)				
		Low	Dry	Mid	Moist	Wet
KK-1 Lyons Park Creek Entire Length	Total Loading Capacity	117.71	257.83	361.43	540.85	993.03
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.05	0.15	0.24	0.43	1.02
	Background	0.05	0.15	0.24	0.43	1.02
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	117.66	257.69	361.19	540.43	992.01
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	117.66	257.69	361.19	540.43	992.01
Individual Permits	-	-	-	-	-	
KK-2 Kinnickinnic River From Wilson Park Creek to Lyons Park Creek	Total Loading Capacity	232.91	499.18	702.48	1,051.79	1,951.82
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.29	0.94	1.60	3.00	7.86
	Background	0.29	0.94	1.60	3.00	7.86
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	232.62	498.24	700.87	1,048.79	1,943.96
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	232.62	498.24	700.87	1,048.79	1,943.96
Individual Permits	-	-	-	-	-	
KK-3 South 43rd St Ditch Entire Length	Total Loading Capacity	253.09	480.85	660.36	952.51	1,461.39
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.04	0.13	0.24	0.49	1.11
	Background	0.04	0.13	0.24	0.49	1.11
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	253.05	480.72	660.11	952.02	1,460.28
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	253.05	480.72	660.11	952.02	1,460.28
Individual Permits	-	-	-	-	-	
KK-4 Edgerton Channel, Wilson Park Creek, Villa Mann Creek Entire Length	Total Loading Capacity	1,035.07	2,030.57	2,726.80	3,972.37	5,808.45
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.73	2.48	4.24	8.39	16.73
	Background	0.73	2.48	4.24	8.39	16.73
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	1,034.34	2,028.09	2,722.56	3,963.97	5,791.72
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	1,034.34	2,028.09	2,722.56	3,963.97	5,791.72
Individual Permits	-	-	-	-	-	

Table A.15 (KK) - Monthly Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)				
		Low	Dry	Mid	Moist	Wet
KK-5 Holmes Avenue Creek Entire Length	Total Loading Capacity	258.17	423.24	657.91	915.13	1,361.86
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.15	0.30	0.57	0.91	1.61
	Background	0.15	0.30	0.57	0.91	1.61
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	258.03	422.94	657.34	914.21	1,360.25
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	258.03	422.94	657.34	914.21	1,360.25
Individual Permits	-	-	-	-	-	
KK-6 Cherokee Park Creek Entire Length	Total Loading Capacity	84.57	177.24	251.58	366.48	703.94
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.12	0.34	0.56	0.98	2.52
	Background	0.12	0.34	0.56	0.98	2.52
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	84.45	176.90	251.02	365.50	701.42
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	84.45	176.90	251.02	365.50	701.42
Individual Permits	-	-	-	-	-	
KK-7 Kinnickinnic River From Estuary to Wilson Park Creek	Total Loading Capacity	561.17	909.96	1,169.13	1,640.67	2,752.15
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.32	0.82	1.35	2.62	7.27
	Background	0.32	0.82	1.35	2.62	7.27
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	560.85	909.14	1,167.78	1,638.05	2,744.88
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	560.85	909.14	1,167.78	1,638.05	2,744.88
Individual Permits	-	-	-	-	-	

Table A.16 (KK) - Daily Total Phosphorus Wasteload Allocation by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

For implementation purposes, the individual allocations for NCCW facilities covered under the general permit will be lumped by watershed and tracked through effluent monitoring. Actual permit limits may differ by facility when compared to corresponding individual mass allocations listed for each facility provided the watershed allocation is still met.

Facility Name	Permit Number	Outfall Number	Permit Type	Reach	Daily TP Wasteload Allocation (lbs/day)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Acme Galvanizing Inc	0044938	003	NCCW	KK-7	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	2.35
Apiscent Labs	0044938	001	NCCW	KK-4	0.19	0.27	0.27	0.26	0.22	0.21	0.22	0.22	0.21	0.17	0.16	0.16	32.63
Associated Spring	0044938	001	NCCW	KK-5	5.70E-04	8.00E-04	7.31E-04	7.26E-04	6.52E-04	6.39E-04	6.88E-04	6.89E-04	6.92E-04	5.30E-04	5.09E-04	4.99E-04	0.10
Campbell Soup Supply Co LLC	0044938	001	NCCW	KK-5	0.23	0.32	0.29	0.29	0.26	0.26	0.28	0.28	0.28	0.21	0.20	0.20	39.25
Elite Finishing	0044938	001	NCCW	KK-7	0.08	0.09	0.09	0.08	0.09	0.10	0.09	0.09	0.07	0.06	0.06	0.07	12.33
General Electric Medical Tube Manufacturing	0044938	001	NCCW	KK-3	0.15	0.18	0.19	0.19	0.18	0.18	0.19	0.20	0.19	0.14	0.12	0.13	25.92
	0044938	002	NCCW	KK-3	0.29	0.36	0.36	0.36	0.35	0.35	0.36	0.39	0.37	0.27	0.24	0.26	50.35
General Mitchell International Airport	0046477	001	Individual	KK-5	0.16	0.23	0.21	0.21	0.19	0.18	0.20	0.20	0.20	0.15	0.15	0.14	28.35
	0046477	007	Individual	KK-4	4.69	5.17	5.07	4.92	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	730.27
Great Lakes Water Institute	0045942	001	Individual	KK-7	1.66	1.80	1.78	1.75	1.83	2.04	1.85	1.92	1.50	1.26	1.24	1.37	254.45
	0045942	002	Individual	KK-7	1.66	1.80	1.78	1.75	1.83	2.04	1.85	1.92	1.50	1.26	1.24	1.37	254.45
Grebes Bakery	0044938	001	NCCW	KK-2	3.62E-03	4.86E-03	5.25E-03	1.31E-03	1.29E-03	1.24E-03	1.03E-03	1.23E-03	1.25E-03	9.39E-04	9.15E-04	1.10E-03	0.30
	0044938	002	NCCW	KK-2	0.02	0.03	0.04	8.76E-03	8.58E-03	8.24E-03	6.89E-03	8.17E-03	8.33E-03	6.26E-03	6.10E-03	7.30E-03	2.02
	0044938	003	NCCW	KK-3	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	9.01E-03	9.51E-03	1.88
Joy Mark Inc*	0044938	001	NCCW	KK-4	4.60E-06	6.52E-06	6.40E-06	6.21E-06	5.36E-06	5.08E-06	5.25E-06	5.28E-06	5.02E-06	4.13E-06	3.78E-06	3.92E-06	0.00
Ladish Forging LLC	0000728	040	Individual	KK-4	0.34	0.31	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	52.51
Malteurop North America Inc.	0044938	001	NCCW	KK-3	0.07	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.07	0.06	0.06	12.29
Maynard Steel Casting Co*	0000272	002	Individual	KK-7	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.04	0.03	0.02	0.02	0.02	4.67
Patrick Cudahy Inc	0044938	001	NCCW	KK-4	#	#	#	#	#	#	#	#	#	#	#	#	#
Reliable Plating Works Inc	0044938	001	NCCW	KK-5	0.04	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	7.52
Rexnord/Stearns Division	0044938	001	NCCW	KK-4	9.21E-03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	8.28E-03	7.58E-03	7.85E-03	1.57
St Luke's Medical Center	0044938	008	NCCW	KK-7	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	5.32
	0044938	009	NCCW	KK-4	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	3.58
	0044938	011	NCCW	KK-7	0.15	0.16	0.16	0.15	0.16	0.18	0.16	0.17	0.13	0.11	0.11	0.12	22.31
	0044938	016	NCCW	KK-7	2.15E-03	2.33E-03	2.31E-03	2.26E-03	2.36E-03	2.64E-03	2.39E-03	2.48E-03	1.94E-03	1.63E-03	1.60E-03	1.77E-03	0.33
Unit Drop Forge Co Inc	0044938	001	NCCW	KK-3	0.05	0.06	0.06	0.06	0.06	0.05	0.06	0.06	0.06	0.04	0.04	0.04	7.83

Background P is present in the effluent from the source water. The point source is not contributing P beyond that which is present in the intake, therefore no P reductions are necessary to meet TMDL targets.

Table A.17 (KK) - Monthly Total Phosphorus Wasteload Allocation by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

For implementation purposes, the individual allocations for NCCW facilities covered under the general permit will be lumped by watershed and tracked through effluent monitoring. Actual permit limits may differ by facility when compared to corresponding individual mass allocations listed for each facility provided the watershed allocation is still met.

Facility Name	Permit Number	Outfall Number	Permit Type	Reach	Monthly TP Wasteload Allocation (lbs/month)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Acme Galvanizing Inc	0044938	003	NCCW	KK-7	0.20	0.19	0.21	0.20	0.22	0.24	0.22	0.23	0.17	0.15	0.14	0.16	2.35
Apiscent Labs	0044938	001	NCCW	KK-4	2.49	3.19	3.47	3.25	2.90	2.66	2.84	2.86	2.63	2.24	1.98	2.12	32.63
Associated Spring	0044938	001	NCCW	KK-5	7.39E-03	9.38E-03	9.49E-03	9.12E-03	8.46E-03	8.02E-03	8.93E-03	8.94E-03	8.69E-03	6.87E-03	6.38E-03	6.48E-03	0.10
Campbell Soup Supply Co LLC	0044938	001	NCCW	KK-5	2.96	3.75	3.80	3.65	3.38	3.21	3.57	3.57	3.48	2.75	2.55	2.59	39.25
Elite Finishing	0044938	001	NCCW	KK-7	1.05	1.02	1.12	1.06	1.15	1.24	1.16	1.21	0.91	0.79	0.75	0.86	12.33
General Electric Medical Tube Manufacturing	0044938	001	NCCW	KK-3	1.95	2.15	2.40	2.34	2.37	2.25	2.41	2.61	2.37	1.79	1.56	1.70	25.92
	0044938	002	NCCW	KK-3	3.80	4.18	4.67	4.55	4.60	4.37	4.69	5.07	4.60	3.49	3.04	3.31	50.35
General Mitchell International Airport	0046477	001	Individual	KK-5	2.13	2.71	2.74	2.63	2.44	2.32	2.58	2.58	2.51	1.98	1.84	1.87	28.35
	0046477	007	Individual	KK-4	60.89	60.59	65.81	61.79	60.89	58.92	60.89	60.89	58.92	60.89	58.92	60.89	730.27
Great Lakes Water Institute	0045942	001	Individual	KK-7	21.59	21.09	23.14	21.92	23.71	25.62	24.03	24.90	18.86	16.32	15.52	17.74	254.45
	0045942	002	Individual	KK-7	21.59	21.09	23.14	21.92	23.71	25.62	24.03	24.90	18.86	16.32	15.52	17.74	254.45
Grebes Bakery	0044938	001	NCCW	KK-2	0.05	0.06	0.07	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.01	0.01	0.30
	0044938	002	NCCW	KK-2	0.31	0.38	0.45	0.11	0.11	0.10	0.09	0.11	0.10	0.08	0.08	0.09	2.02
	0044938	003	NCCW	KK-3	0.14	0.16	0.17	0.17	0.17	0.16	0.17	0.19	0.17	0.13	0.11	0.12	1.88
Joy Mark Inc*	0044938	001	NCCW	KK-4	5.96E-05	7.64E-05	8.30E-05	7.80E-05	6.95E-05	6.38E-05	6.81E-05	6.84E-05	6.30E-05	5.36E-05	4.75E-05	5.08E-05	0.00
Ladish Forging LLC	0000728	040	Individual	KK-4	4.46	4.03	4.46	4.32	4.46	4.32	4.46	4.46	4.32	4.46	4.32	4.46	52.51
Malteurop North America Inc.	0044938	001	NCCW	KK-3	0.93	1.02	1.14	1.11	1.12	1.07	1.15	1.24	1.12	0.85	0.74	0.81	12.29
Maynard Steel Casting Co*	0000272	002	Individual	KK-7	0.39	0.38	0.42	0.40	0.43	0.47	0.44	0.45	0.34	0.31	0.30	0.32	4.67
Patrick Cudahy Inc	0044938	001	NCCW	KK-4	#	#	#	#	#	#	#	#	#	#	#	#	#
Reliable Plating Works Inc	0044938	001	NCCW	KK-5	0.57	0.72	0.73	0.70	0.65	0.61	0.68	0.68	0.67	0.53	0.49	0.50	7.52
Rexnord/Stearns Division	0044938	001	NCCW	KK-4	0.12	0.15	0.17	0.16	0.14	0.13	0.14	0.14	0.13	0.11	0.10	0.10	1.57
St Luke's Medical Center	0044938	008	NCCW	KK-7	0.45	0.44	0.48	0.46	0.50	0.54	0.50	0.52	0.39	0.34	0.32	0.37	5.32
	0044938	009	NCCW	KK-4	0.27	0.35	0.38	0.36	0.32	0.29	0.31	0.31	0.29	0.25	0.22	0.23	3.58
	0044938	011	NCCW	KK-7	1.89	1.85	2.03	1.92	2.08	2.25	2.11	2.18	1.65	1.43	1.36	1.56	22.31
	0044938	016	NCCW	KK-7	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.33
Unit Drop Forge Co Inc	0044938	001	NCCW	KK-3	0.59	0.65	0.73	0.71	0.72	0.68	0.73	0.79	0.72	0.54	0.47	0.51	7.83

Background P is present in the effluent from the source water. The point source is not contributing P beyond that which is present in the intake, therefore no P reductions are necessary to meet TMDL targets.

Table A.18 (KK) - Daily Total Suspended Solids Wasteload Allocation by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

Facility Name	Permit Number	Outfall Number	Permit Type	Reach	Daily TSS Wasteload Allocation (lbs/day)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
General Mitchell International Airport	0046477	001	Individual	KK-5	32.81	43.36	28.66	14.57	12.15	10.95	7.74	6.32	12.70	12.45	18.36	22.94	2,814.54
	0046477	007	Individual	KK-4	567.17	788.16	656.72	523.34	366.25	304.81	229.11	234.64	282.15	290.80	347.93	423.35	63,441.40
Great Lakes Water Institute	0045942	001	Individual	KK-7	49.11	37.95	30.69	16.71	17.06	19.69	10.16	10.40	8.55	10.39	18.88	30.87	3,303.99
	0045942	002	Individual	KK-7	49.11	37.95	30.69	16.71	17.06	19.69	10.16	10.40	8.55	10.39	18.88	30.87	3,303.99
Ladish Forging LLC	0000728	040	Individual	KK-4	6.92	9.62	8.02	6.39	4.47	3.72	2.80	2.86	3.44	3.55	4.25	5.17	774.50
Maynard Steel Casting Co*	0000272	002	Individual	KK-7	4.53	3.50	2.83	1.54	1.57	1.82	0.94	0.96	0.79	0.96	1.74	2.85	304.98

Table A.19 (KK) - Monthly Total Suspended Solids Wasteload Allocation by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

Facility Name	Permit Number	Outfall Number	Permit Type	Reach	Monthly TSS Wasteload Allocation (lbs/month)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
General Mitchell International Airport	0046477	001	Individual	KK-5	425.59	507.97	371.73	182.85	157.56	137.44	100.38	82.01	159.46	161.46	230.49	297.61	2,814.54
	0046477	007	Individual	KK-4	7,356.63	9,233.65	8,518.18	6,569.07	4,750.58	3,826.01	2,971.72	3,043.46	3,541.66	3,771.94	4,367.32	5,491.20	63,441.40
Great Lakes Water Institute	0045942	001	Individual	KK-7	636.96	444.56	398.06	209.69	221.30	247.22	131.74	134.92	107.37	134.78	236.96	400.44	3,303.99
	0045942	002	Individual	KK-7	636.96	444.56	398.06	209.69	221.30	247.22	131.74	134.92	107.37	134.78	236.96	400.44	3,303.99
Ladish Forging LLC	0000728	040	Individual	KK-4	89.81	112.73	103.99	80.20	58.00	46.71	36.28	37.15	43.24	46.05	53.32	67.04	774.50
Maynard Steel Casting Co*	0000272	002	Individual	KK-7	58.80	41.04	36.74	19.36	20.43	22.82	12.16	12.45	9.91	12.44	21.87	36.96	304.98

Table A.20 (KK) - Daily Fecal Coliform Wasteload Allocation by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

Facility Name	Permit Number	Outfall Number	Permit Type	Reach	Daily Fecal Coliform Wasteload Allocation (billion cells/day)				
					Low	Dry	Mid	Moist	Wet
General Mitchell International Airport	0046477	001	Individual	KK-5	†	†	†	†	†
	0046477	007	Individual	KK-4	†	†	†	†	†
Great Lakes Water Institute	0045942	001	Individual	KK-7	#	#	#	#	#
	0045942	002	Individual	KK-7	#	#	#	#	#
Ladish Forging LLC	0000728	040	Individual	KK-4	#	#	#	#	#
Maynard Steel Casting Co*	0000272	002	Individual	KK-7	#	#	#	#	#

† The point source is not contributing bacteria beyond that which is present in the surface water runoff; therefore, no bacteria reductions are necessary to meet TMDL targets.

Fecal coliform WLA = 0 because the discharge is industrial wastewater only (no sanitary waste). No discharge of bacteria is expected.

Table A.21 (KK) - Monthly Fecal Coliform Wasteload Allocations by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

Facility Name	Permit Number	Outfall Number	Permit Type	Reach	Monthly Fecal Coliform Wasteload Allocation (billion cells/month)				
					Low	Dry	Mid	Moist	Wet
General Mitchell International Airport	0046477	001	Individual	KK-5	†	†	†	†	†
	0046477	007	Individual	KK-4	†	†	†	†	†
Great Lakes Water Institute	0045942	001	Individual	KK-7	#	#	#	#	#
	0045942	002	Individual	KK-7	#	#	#	#	#
Ladish Forging LLC	0000728	040	Individual	KK-4	#	#	#	#	#
Maynard Steel Casting Co*	0000272	002	Individual	KK-7	#	#	#	#	#

† The point source is not contributing bacteria beyond that which is present in the surface water runoff; therefore, no bacteria reductions are necessary to meet TMDL targets.

Fecal coliform WLA = 0 because the discharge is industrial wastewater only (no sanitary waste). No discharge of bacteria is expected.

Table A.22 (KK) - Daily Total Phosphorus Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Daily TP Wasteload Allocation (lbs/day)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Cudahy, City	KK-4	953	0.09	0.16	0.23	0.24	0.19	0.15	0.16	0.14	0.11	0.08	0.07	0.08	52.32
Greenfield, City	KK-1	108	0.03	0.05	0.06	0.06	0.06	0.05	0.06	0.06	0.05	0.03	0.03	0.03	17.12
	KK-2	111	0.03	0.05	0.06	0.07	0.06	0.05	0.06	0.06	0.05	0.03	0.03	0.03	17.39
	KK-4	649	0.06	0.11	0.16	0.16	0.13	0.10	0.11	0.09	0.07	0.06	0.05	0.06	35.63
	KK-6	556	0.17	0.23	0.30	0.32	0.30	0.25	0.28	0.27	0.22	0.16	0.13	0.14	84.34
Milwaukee, City	KK-1	745	0.23	0.31	0.42	0.44	0.41	0.36	0.40	0.39	0.32	0.22	0.18	0.20	117.86
	KK-2	1,218	0.37	0.50	0.67	0.72	0.67	0.58	0.64	0.63	0.52	0.36	0.29	0.32	190.72
	KK-3	60	0.01	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.01	0.01	0.01	7.72
	KK-4	3,671	0.35	0.63	0.90	0.93	0.74	0.58	0.63	0.53	0.41	0.32	0.28	0.31	201.43
	KK-5	1,099	0.29	0.48	0.65	0.64	0.50	0.42	0.50	0.45	0.37	0.28	0.26	0.27	155.17
	KK-6	59	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.01	0.02	8.90
	KK-7	2,536	1.31	1.70	2.51	2.73	2.78	2.71	2.90	2.47	1.62	1.22	1.12	1.21	737.91
St. Francis, City	KK-4	66	6.27E-03	0.01	0.02	0.02	0.01	0.01	0.01	9.47E-03	7.43E-03	5.80E-03	5.09E-03	5.67E-03	3.63
West Allis, City	KK-2	340	0.10	0.14	0.19	0.20	0.19	0.16	0.18	0.18	0.15	0.10	0.08	0.09	53.27
	KK-3	734	0.15	0.22	0.32	0.36	0.34	0.30	0.36	0.33	0.26	0.18	0.15	0.15	94.72
West Milwaukee, Village	KK-3	304	0.06	0.09	0.13	0.15	0.14	0.12	0.15	0.14	0.11	0.07	0.06	0.06	39.23

Table A.23 (KK) - Monthly Total Phosphorus Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Monthly TP Wasteload Allocation (lbs/month)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Cudahy, City	KK-4	953	2.75	5.01	7.11	7.34	5.84	4.59	5.00	4.15	3.26	2.54	2.23	2.48	52.32
Greenfield, City	KK-1	108	1.02	1.37	1.85	1.95	1.83	1.57	1.76	1.71	1.41	0.98	0.80	0.87	17.12
	KK-2	111	1.03	1.38	1.84	2.01	1.87	1.62	1.77	1.74	1.44	1.00	0.81	0.89	17.39
	KK-4	649	1.87	3.41	4.84	5.00	3.98	3.13	3.41	2.83	2.22	1.73	1.52	1.69	35.63
	KK-6	556	5.18	6.97	9.23	9.64	8.97	7.74	8.48	8.17	6.77	4.81	4.00	4.37	84.34
Milwaukee, City	KK-1	745	7.01	9.45	12.77	13.43	12.59	10.83	12.12	11.74	9.69	6.72	5.50	6.00	117.86
	KK-2	1,218	11.25	15.13	20.22	22.03	20.48	17.74	19.39	19.12	15.81	10.97	8.83	9.74	190.72
	KK-3	60	0.37	0.54	0.80	0.90	0.85	0.74	0.90	0.82	0.65	0.43	0.36	0.37	7.72
	KK-4	3,671	10.59	19.30	27.38	28.25	22.50	17.66	19.26	15.99	12.54	9.79	8.59	9.57	201.43
	KK-5	1,099	8.78	14.74	19.74	19.59	15.31	12.66	15.07	13.57	11.15	8.61	7.77	8.20	155.17
	KK-6	59	0.55	0.74	0.97	1.02	0.95	0.82	0.89	0.86	0.72	0.51	0.42	0.46	8.90
	KK-7	2,536	39.83	51.80	76.44	83.02	84.41	82.39	88.13	74.94	49.23	37.08	33.92	36.73	737.91
St. Francis, City	KK-4	66	0.19	0.35	0.49	0.51	0.41	0.32	0.35	0.29	0.23	0.18	0.15	0.17	3.63
West Allis, City	KK-2	340	3.14	4.23	5.65	6.15	5.72	4.95	5.42	5.34	4.41	3.06	2.47	2.72	53.27
	KK-3	734	4.57	6.60	9.87	11.00	10.41	9.02	11.02	10.02	7.94	5.33	4.42	4.52	94.72
West Milwaukee, Village	KK-3	304	1.89	2.73	4.09	4.56	4.31	3.74	4.57	4.15	3.29	2.21	1.83	1.87	39.23

Table A.24 (KK) - Daily Total Suspended Solids Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Daily TSS Wasteload Allocation (lbs/day)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Cudahy, City	KK-4	953	19.48	35.68	58.20	66.83	61.11	53.36	64.21	59.59	47.54	34.80	24.62	22.02	16,642.49
Greenfield, City	KK-1	108	5.35	7.21	9.77	10.28	9.64	8.27	9.26	8.97	7.40	5.13	4.20	4.58	2,738.02
	KK-2	111	5.51	7.40	10.04	10.77	10.03	8.54	9.34	9.21	7.62	5.28	4.25	4.70	2,818.12
	KK-4	649	13.27	24.30	39.64	45.52	41.63	36.34	43.74	40.59	32.38	23.70	16.77	15.00	11,335.78
	KK-6	556	27.10	36.50	48.70	50.90	47.43	40.64	44.58	42.96	35.57	25.22	20.92	22.89	13,479.87
Milwaukee, City	KK-1	745	36.85	49.66	67.29	70.77	66.38	56.95	63.77	61.79	50.96	35.34	28.90	31.53	18,853.76
	KK-2	1,218	60.37	81.14	110.09	118.11	109.99	93.65	102.43	101.03	83.50	57.90	46.65	51.57	30,899.35
	KK-3	60	4.08	5.17	6.85	7.26	7.04	6.31	7.35	7.13	5.98	4.24	3.60	3.79	2,091.56
	KK-4	3,671	75.01	137.38	224.07	257.31	235.30	205.44	247.24	229.45	183.05	133.98	94.79	84.78	64,076.76
	KK-5	1,099	61.86	98.66	130.52	134.44	110.03	94.42	111.97	104.66	88.37	67.59	58.98	59.41	34,075.85
	KK-6	59	2.86	3.85	5.14	5.37	5.01	4.29	4.71	4.53	3.75	2.66	2.21	2.42	1,422.96
	KK-7	2,536	133.02	120.80	179.10	205.83	263.26	307.25	301.80	267.47	148.76	122.22	116.53	125.01	69,647.73
St. Francis, City	KK-4	66	1.35	2.47	4.04	4.63	4.24	3.70	4.45	4.13	3.30	2.41	1.71	1.53	1,153.96
West Allis, City	KK-2	340	16.86	22.66	30.75	32.99	30.72	26.16	28.61	28.22	23.32	16.17	13.03	14.40	8,630.08
	KK-3	734	50.09	63.43	84.02	89.14	86.36	77.49	90.23	87.52	73.39	51.98	44.13	46.54	25,667.39
West Milwaukee, Village	KK-3	304	20.75	26.27	34.80	36.92	35.77	32.09	37.37	36.24	30.39	21.53	18.28	19.28	10,630.00

Table A.25 (KK) - Monthly Total Suspended Solids Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Monthly TSS Wasteload Allocation (lbs/month)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Cudahy, City	KK-4	953	592.25	1,084.71	1,769.18	2,031.62	1,857.84	1,622.12	1,952.10	1,811.68	1,445.28	1,057.87	748.47	669.36	16,642.49
Greenfield, City	KK-1	108	162.70	219.24	297.08	312.42	293.04	251.44	281.55	272.80	224.96	156.00	127.60	139.19	2,738.02
	KK-2	111	167.37	224.97	305.22	327.47	304.96	259.65	283.98	280.10	231.52	160.54	129.34	142.98	2,818.12
	KK-4	649	403.40	738.84	1,205.05	1,383.81	1,265.44	1,104.88	1,329.65	1,234.00	984.43	720.55	509.81	455.93	11,335.78
	KK-6	556	823.81	1,109.50	1,480.55	1,547.44	1,441.86	1,235.57	1,355.28	1,305.94	1,081.35	766.75	635.98	695.82	13,479.87
Milwaukee, City	KK-1	745	1,120.31	1,509.65	2,045.68	2,151.32	2,017.85	1,731.40	1,938.75	1,878.47	1,549.05	1,074.21	878.62	958.45	18,853.76
	KK-2	1,218	1,835.18	2,466.73	3,346.59	3,590.61	3,343.75	2,846.91	3,113.76	3,071.17	2,538.52	1,760.24	1,418.13	1,567.76	30,899.35
	KK-3	60	124.09	157.14	208.13	220.82	213.93	191.96	223.52	216.80	181.80	128.76	109.32	115.30	2,091.56
	KK-4	3,671	2,280.29	4,176.36	6,811.69	7,822.13	7,153.05	6,245.46	7,515.97	6,975.30	5,564.62	4,072.99	2,881.74	2,577.18	64,076.76
	KK-5	1,099	1,880.62	2,999.22	3,967.76	4,087.11	3,344.85	2,870.43	3,403.97	3,181.72	2,686.30	2,054.82	1,792.97	1,806.07	34,075.85
	KK-6	59	86.96	117.12	156.29	163.35	152.21	130.43	143.07	137.86	114.15	80.94	67.14	73.45	1,422.96
	KK-7	2,536	4,043.75	3,672.34	5,444.54	6,257.20	8,003.07	9,340.51	9,174.68	8,131.12	4,522.22	3,715.50	3,542.45	3,800.35	69,647.73
St. Francis, City	KK-4	66	41.07	75.21	122.67	140.87	128.82	112.47	135.36	125.62	100.21	73.35	51.90	46.41	1,153.96
West Allis, City	KK-2	340	512.56	688.95	934.69	1,002.84	933.90	795.13	869.66	857.77	709.00	491.63	396.08	437.87	8,630.08
	KK-3	734	1,522.79	1,928.36	2,554.19	2,709.84	2,625.34	2,355.66	2,743.06	2,660.51	2,231.01	1,580.10	1,341.60	1,414.94	25,667.39
West Milwaukee, Village	KK-3	304	630.66	798.62	1,057.80	1,122.26	1,087.27	975.58	1,136.02	1,101.83	923.96	654.39	555.62	585.99	10,630.00

Table A.26 (KK) - Daily Fecal Coliform Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Daily Fecal Coliform Wasteload Allocation (billion cells/day)				
			Low	Dry	Mid	Moist	Wet
Cudahy, City	KK-4	953	6.08	11.91	15.99	23.28	34.02
Greenfield, City	KK-1	108	0.49	1.07	1.51	2.25	4.14
	KK-2	111	0.51	1.09	1.53	2.30	4.26
	KK-4	649	4.14	8.11	10.89	15.86	23.17
	KK-6	556	2.51	5.26	7.47	10.88	20.87
Milwaukee, City	KK-1	745	3.38	7.40	10.37	15.52	28.49
	KK-2	1,218	5.58	11.96	16.82	25.17	46.66
	KK-3	60	0.45	0.86	1.18	1.71	2.62
	KK-4	3,671	23.39	45.86	61.57	89.64	130.97
	KK-5	1,099	8.49	13.91	21.62	30.07	44.75
	KK-6	59	0.27	0.56	0.79	1.15	2.20
	KK-7	2,536	18.45	29.91	38.41	53.88	90.29
St. Francis, City	KK-4	66	0.42	0.83	1.11	1.61	2.36
West Allis, City	KK-2	340	1.56	3.34	4.70	7.03	13.03
	KK-3	734	5.57	10.57	14.52	20.94	32.12
West Milwaukee, Village	KK-3	304	2.30	4.38	6.01	8.67	13.30

Table A.27 (KK) - Monthly Fecal Coliform Wasteload Allocation by MS4 - FINAL

Municipality	Reach	Area (acres)	Monthly Fecal Coliform Wasteload Allocation (billion cells/month)				
			Low	Dry	Mid	Moist	Wet
Cudahy, City	KK-4	953	184.68	362.12	486.11	707.77	1,034.11
Greenfield, City	KK-1	108	14.92	32.68	45.80	68.53	125.79
	KK-2	111	15.48	33.16	46.64	69.79	129.37
	KK-4	649	125.79	246.65	331.11	482.09	704.37
	KK-6	556	76.39	160.01	227.05	330.60	634.45
Milwaukee, City	KK-1	745	102.74	225.01	315.39	471.90	866.21
	KK-2	1,218	169.74	363.55	511.40	765.26	1,418.43
	KK-3	60	13.79	26.19	35.97	51.87	79.56
	KK-4	3,671	711.06	1,394.21	1,871.63	2,725.04	3,981.53
	KK-5	1,099	258.03	422.94	657.34	914.21	1,360.25
	KK-6	59	8.06	16.89	23.97	34.90	66.97
	KK-7	2,536	560.85	909.14	1,167.78	1,638.05	2,744.88
St. Francis, City	KK-4	66	12.81	25.11	33.71	49.08	71.70
West Allis, City	KK-2	340	47.41	101.54	142.83	213.73	396.16
	KK-3	734	169.19	321.41	441.36	636.53	976.36
West Milwaukee, Village	KK-3	304	70.07	133.11	182.79	263.62	404.35

Table A.28 (KK) - Required Percent Reduction of MS4 TP and TSS by Reach and Municipality - FINAL

Note: Percent reduction is calculated as the average of the monthly percent load reductions from baseline. Baseline MS4 loads reflect 20% TSS reduction from no controls (and associated reduction of TP).

Reach	TP Target (mg/L)	Annual Allowable TP Load for Reach (lbs/year)	TSS Target (mg/L)	Annual Allowable TSS Load for Reach (lbs/year)	Municipality	MS4 Area (acres)	Average TP Percent Reduction for MS4	Average TSS Percent Reduction for MS4
KK-1	0.075	143	12	22,807		853	64%	73%
					Greenfield, City	108	64%	73%
					Milwaukee, City	745	64%	73%
KK-2	0.075	282	12	45,172		1,669	64%	72%
					Greenfield, City	111	64%	72%
					Milwaukee, City	1,218	64%	72%
West Allis, City	340	64%	72%					
KK-3	0.075	253	12	40,500		1,097	76%	71%
					Milwaukee, City	60	76%	71%
					West Allis, City	734	76%	71%
West Milwaukee, Village	304	76%	71%					
KK-4	0.075	1,050	12	167,948		5,339	88%	80%
					Cudahy, City	953	88%	80%
					Greenfield, City	649	88%	80%
					Milwaukee, City	3,671	88%	80%
St. Francis, City	66	88%	80%					
KK-5	0.075	244	12	39,091	Milwaukee, City	1,099	76%	75%
KK-6	0.075	99	12	15,871		615	65%	72%
					Greenfield, City	556	65%	72%
Milwaukee, City	59	65%	72%					
KK-7	0.1	1,366	12	81,102		2,536	38%	69%
					Milwaukee, City	2,536	38%	69%

Table A.29 (KK) - Required Percent Reduction of MS4 TP and TSS by Municipality - FINAL

Note: Percent reduction is calculated as the average of the 12 monthly percent load reductions from baseline.

Municipality	Reach	Area (acres)	TP Percent Reduction	TSS Percent Reduction
Cudahy, City	KK-4	953	88%	80%
Greenfield, City	KK-1	108	64%	73%
	KK-2	111	64%	72%
	KK-4	649	88%	80%
	KK-6	556	65%	72%
Milwaukee, City	KK-1	745	64%	73%
	KK-2	1,218	64%	72%
	KK-3	60	76%	71%
	KK-4	3,671	88%	80%
	KK-5	1,099	76%	75%
	KK-6	59	65%	72%
	KK-7	2,536	38%	69%
St. Francis, City	KK-4	66	88%	80%
West Allis, City	KK-2	340	64%	72%
	KK-3	734	76%	71%
West Milwaukee, Village	KK-3	304	76%	71%

Table A.30 (KK) - Required Percent Reduction of Agricultural and Non-Permitted Urban TP and TSS by Reach - FINAL
 Note: Percent reduction is calculated as the average of the monthly percent load reductions from baseline.

Reach	Required Average Percent Reduction of TP from Baseline Load		Required Average Percent Reduction of TSS from Baseline Load	
	Agricultural	Non-Permitted Urban	Agricultural	Non-Permitted Urban
KK-1	-	-	-	-
KK-2	-	-	-	-
KK-3	-	-	-	-
KK-4	-	-	-	-
KK-5	-	-	-	-
KK-6	-	-	-	-
KK-7	-	-	-	-

Table A.1 (MI) - Baseline Nonpoint Source Total Phosphorus Loads - FINAL

Note: Loads are averaged for each calendar month over the 10-year simulation period (1988 - 1997).

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Average Annual TP Load (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MI-1 Upper Milwaukee River From Campbellsport to Headwaters	Background	124.71	111.25	453.87	969.20	343.93	578.56	122.38	74.91	9.02	51.92	48.30	54.01	2,942.07
	Agricultural	689.56	366.24	993.43	1,621.70	2,884.15	1,181.63	1,065.18	168.99	52.17	271.67	140.41	152.80	9,587.96
	Non-Permitted Urban	159.74	151.56	336.71	337.04	311.04	330.26	307.52	174.77	175.29	215.39	218.40	129.32	2,847.06
MI-2 Upper Milwaukee River From Kewaskum to Campbellsport and Auburn	Background	42.08	37.89	161.65	514.68	171.75	272.61	36.68	25.09	4.28	12.58	17.00	21.83	1,318.14
	Agricultural	96.19	67.14	131.44	251.99	292.37	261.82	94.60	26.67	11.14	29.21	27.68	31.96	1,322.20
	Non-Permitted Urban	139.20	135.27	253.17	251.46	218.46	259.80	192.70	145.02	132.41	150.17	187.74	120.69	2,186.09
MI-3 West Branch Milwaukee River Entire Length	Background	73.15	73.87	284.65	681.74	241.83	403.50	80.78	50.57	6.24	34.29	33.25	37.79	2,001.65
	Agricultural	564.28	351.70	850.56	1,414.44	2,829.68	1,125.15	991.70	152.47	53.03	234.14	145.16	152.43	8,864.74
	Non-Permitted Urban	159.20	156.13	324.31	325.21	326.87	338.80	314.08	174.71	172.82	209.40	221.02	135.37	2,857.91
MI-4 Kewaskum Creek Entire Length	Background	8.36	10.59	36.01	95.56	38.06	62.44	15.75	8.41	1.24	5.45	5.29	6.00	293.17
	Agricultural	71.14	82.01	157.20	286.79	558.70	248.56	208.32	37.38	11.24	59.16	31.03	33.20	1,784.73
	Non-Permitted Urban	41.39	47.94	88.20	94.47	117.27	117.14	109.47	50.66	49.10	60.60	63.42	40.77	880.42
MI-5 Watercress Creek and East Branch Milwaukee River Entire Length	Background	85.45	69.82	293.83	978.13	309.52	541.41	51.91	40.24	9.36	17.70	30.96	41.51	2,469.85
	Agricultural	154.19	88.56	200.02	346.57	498.52	321.66	163.48	37.62	16.86	43.28	38.92	43.10	1,952.77
	Non-Permitted Urban	179.49	168.47	336.52	322.42	243.21	289.25	225.51	184.93	172.58	198.97	241.61	151.73	2,714.68
MI-6 Quaas Creek and Milwaukee River Near West Bend	Background	25.68	32.25	107.08	278.50	110.03	180.72	44.86	24.52	3.98	16.45	16.49	18.59	859.14
	Agricultural	47.75	53.96	95.00	154.76	510.91	138.85	150.63	21.57	9.44	31.07	25.97	25.09	1,264.99
	Non-Permitted Urban	415.57	475.96	907.93	978.74	747.95	781.70	762.20	559.54	549.77	655.57	667.96	410.63	7,913.52
MI-7 Myra Creek and Milwaukee River From North Branch Milwaukee River to West Bend	Background	32.01	35.87	131.89	390.79	135.24	228.72	36.86	24.42	3.61	14.86	16.70	20.20	1,071.18
	Agricultural	116.34	105.63	205.14	405.99	486.94	406.13	225.23	44.95	14.98	60.47	39.91	45.39	2,157.11
	Non-Permitted Urban	170.37	173.46	315.70	330.54	365.62	416.99	318.16	185.31	169.79	194.50	232.63	151.75	3,024.83
MI-8 North Branch Milwaukee River From Adell Tributary to Headwaters	Background	7.85	5.97	27.18	105.19	30.60	54.17	1.18	2.73	0.75	0.61	2.46	3.77	242.45
	Agricultural	39.51	23.32	41.35	93.61	14.64	127.16	6.85	7.53	3.59	4.48	9.92	12.10	384.07
	Non-Permitted Urban	32.90	29.39	53.95	51.90	34.14	53.46	27.15	31.12	26.54	28.67	41.00	26.95	437.17
MI-9 Adell Tributary Entire Length	Background	6.64	4.80	25.21	99.63	29.43	45.31	0.83	2.36	0.49	0.34	1.87	3.02	219.94
	Agricultural	28.84	16.58	31.83	73.64	12.36	93.08	4.97	5.58	2.64	3.32	7.02	8.88	288.74
	Non-Permitted Urban	25.13	22.41	41.34	40.15	26.61	39.46	20.74	24.01	20.30	21.94	31.38	20.62	334.08
MI-10 Chambers Creek, Batavia Creek, and North Branch Milwaukee River Near Sherman	Background	20.07	15.08	71.25	277.39	81.05	138.12	2.88	7.02	1.81	1.42	6.13	9.51	631.72
	Agricultural	132.63	76.38	142.67	332.34	50.73	437.29	22.10	24.50	11.58	14.82	32.26	40.17	1,317.46
	Non-Permitted Urban	97.13	87.58	160.98	152.91	100.76	141.76	81.48	93.05	79.63	85.96	123.49	80.63	1,285.36
MI-11 Melius Creek Entire Length	Background	4.84	3.78	15.89	60.72	17.49	33.61	0.79	1.66	0.52	0.45	1.60	2.39	143.75
	Agricultural	19.79	11.72	20.86	47.15	7.73	63.51	3.50	3.86	1.85	2.29	5.03	6.14	193.42
	Non-Permitted Urban	16.74	14.82	27.33	27.17	17.64	29.41	13.66	15.82	13.30	14.36	20.64	13.64	224.53
MI-12 Mink Creek Entire Length	Background	13.78	10.52	47.53	183.81	53.43	95.18	2.08	4.79	1.33	1.09	4.34	6.64	424.52
	Agricultural	89.74	52.39	95.25	198.73	33.58	241.35	15.73	17.75	8.00	9.89	20.33	26.47	809.22
	Non-Permitted Urban	50.66	45.38	83.23	79.21	52.39	79.75	41.96	47.97	41.01	44.28	63.39	41.58	670.82
MI-13 Stony Creek, Wallace Creek, and North Branch Milwaukee River Near Farmington	Background	49.62	39.51	185.42	693.53	211.53	336.32	16.70	20.97	4.47	6.37	16.70	24.58	1,605.73
	Agricultural	234.46	150.61	292.33	646.78	386.72	765.60	136.34	51.73	22.10	46.93	62.24	75.54	2,871.36
	Non-Permitted Urban	202.31	189.25	344.92	340.80	286.98	383.21	239.79	199.79	175.46	194.01	259.89	170.94	2,987.34
MI-14 Silver Creek Entire Length	Background	16.66	12.03	63.59	251.53	74.36	113.69	2.06	5.93	1.20	0.82	4.68	7.57	554.12
	Agricultural	89.48	49.77	98.56	238.66	33.49	306.80	13.68	15.34	7.08	9.55	20.65	26.30	909.37
	Non-Permitted Urban	250.08	226.39	421.43	399.18	263.25	296.36	218.86	253.82	217.14	225.42	321.03	197.76	3,290.71
MI-15 Milwaukee River Near Fredonia	Background	12.51	9.28	45.51	178.14	52.27	85.85	1.71	4.40	1.05	0.79	3.72	5.85	401.08
	Agricultural	70.17	40.71	74.15	171.12	25.42	229.76	11.53	12.82	5.96	7.67	17.04	21.05	687.40
	Non-Permitted Urban	258.97	234.69	439.93	421.16	272.48	327.46	220.76	261.90	221.15	223.91	321.30	200.72	3,404.44
MI-16 Milwaukee River Near Saukville	Background	12.14	11.32	50.20	150.69	42.80	55.90	5.59	13.03	0.65	2.26	6.74	5.73	357.06
	Agricultural	101.22	65.59	183.48	622.27	69.75	495.37	23.48	29.38	7.91	16.27	31.56	35.10	1,681.39
	Non-Permitted Urban	123.05	120.10	229.56	269.44	154.29	249.14	134.74	142.78	98.83	117.09	158.69	97.43	1,895.14

Table A.1 (MI) - Baseline Nonpoint Source Total Phosphorus Loads - FINAL

Note: Loads are averaged for each calendar month over the 10-year simulation period (1988 - 1997).

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Average Annual TP Load (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MI-17 Milwaukee River From Cedar Creek to Saukville	Background	16.83	17.73	71.75	209.72	64.01	94.31	13.85	17.61	1.40	5.71	9.63	9.40	531.96
	Agricultural	41.39	38.18	77.15	191.93	196.96	201.92	70.62	16.47	5.85	18.16	16.83	17.67	893.13
	Non-Permitted Urban	64.74	64.26	124.77	165.42	107.00	158.51	91.71	78.75	54.26	64.87	84.02	52.60	1,110.90
MI-18 Cedar Creek From Jackson Creek to Headwaters	Background	12.01	14.61	49.20	134.41	61.00	95.73	30.35	13.58	2.52	8.05	7.97	9.06	438.51
	Agricultural	53.08	62.73	120.26	221.05	482.34	200.92	197.83	26.83	8.80	41.83	25.42	25.95	1,467.06
	Non-Permitted Urban	119.25	139.11	257.75	264.63	238.99	243.46	241.63	143.03	143.62	177.46	192.31	120.17	2,281.41
MI-19 Lehner Creek Entire Length	Background	1.24	1.59	5.42	14.25	5.39	9.01	2.03	1.19	0.15	0.80	0.77	0.87	42.70
	Agricultural	5.38	6.40	12.66	24.08	41.89	21.68	19.51	2.88	0.85	4.53	2.38	2.52	144.75
	Non-Permitted Urban	5.45	6.33	11.54	12.86	15.55	16.54	14.63	6.88	6.53	8.20	8.29	5.32	118.13
MI-20 Jackson Creek Entire Length	Background	0.63	0.81	2.77	7.26	2.70	4.54	0.98	0.59	0.07	0.40	0.39	0.44	21.59
	Agricultural	9.73	11.60	23.49	45.35	60.91	39.58	31.94	5.37	1.27	8.99	3.84	4.30	246.36
	Non-Permitted Urban	12.58	14.65	27.18	30.53	22.20	30.31	22.95	15.80	15.54	19.52	19.41	12.39	243.05
MI-21 Little Cedar Creek Entire Length	Background	32.20	29.45	197.24	372.91	118.79	154.14	76.76	45.93	6.82	4.91	18.35	18.04	1,075.53
	Agricultural	447.48	250.41	1,139.32	1,579.94	712.91	1,452.16	785.68	155.86	37.12	89.90	122.56	136.18	6,909.52
	Non-Permitted Urban	163.95	152.20	314.84	354.08	250.53	408.54	316.90	220.94	144.38	152.03	201.49	132.61	2,812.48
MI-22 Cedar Creek Near Jackson	Background	36.03	47.01	160.84	418.40	150.25	256.02	50.93	32.95	3.71	23.01	21.99	24.89	1,226.03
	Agricultural	157.52	183.52	363.62	687.55	1,048.40	595.67	463.40	87.33	23.86	139.49	63.93	70.93	3,885.22
	Non-Permitted Urban	79.05	91.40	166.38	191.08	232.22	256.07	214.19	100.35	95.89	118.12	117.93	76.45	1,739.12
MI-23 Evergreen Creek Near Jackson	Background	2.85	3.65	12.43	32.75	12.60	20.93	4.91	2.78	0.38	1.84	1.78	2.02	98.90
	Agricultural	40.82	49.10	99.72	193.60	266.63	171.20	144.31	22.40	5.43	37.31	16.50	18.24	1,065.26
	Non-Permitted Urban	12.84	14.91	27.42	31.25	28.37	35.31	27.85	16.29	15.81	19.79	19.58	12.55	261.96
MI-24 North Branch Cedar Creek and Cedar Creek From Milwaukee River to Myra Creek	Background	53.55	67.51	234.71	629.86	229.25	384.61	77.99	48.42	6.04	32.51	31.95	36.62	1,833.02
	Agricultural	127.45	145.66	274.79	496.29	1,118.75	445.15	412.39	64.01	21.88	96.15	59.24	61.25	3,323.02
	Non-Permitted Urban	172.96	198.34	369.26	394.67	427.09	443.15	404.94	212.03	207.13	253.21	266.86	170.26	3,519.90
MI-25 Milwaukee River From Pigeon Creek to Cedar Creek	Background	23.82	24.82	122.66	291.14	84.50	98.12	22.77	29.02	2.34	6.92	14.38	11.71	732.18
	Agricultural	75.63	50.96	191.15	688.03	80.72	304.10	24.13	32.14	5.91	15.19	24.31	28.35	1,520.63
	Non-Permitted Urban	0.87	0.83	1.69	1.90	1.08	1.36	1.02	1.09	0.79	0.79	1.05	0.66	13.14
MI-26 Pigeon Creek Entire Length	Background	12.15	11.05	73.89	139.73	44.28	62.04	31.43	17.48	2.71	2.04	6.85	6.91	410.55
	Agricultural	93.59	39.54	227.95	303.50	79.57	295.33	137.56	27.98	7.66	10.07	21.96	24.54	1,269.25
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MI-27 Milwaukee River From Lincoln Creek to Pigeon Creek	Background	8.35	9.66	58.58	112.20	35.32	36.80	10.75	6.22	1.43	3.90	4.22	4.15	291.58
	Agricultural	13.67	5.24	37.88	49.50	9.30	40.44	17.68	2.33	0.82	1.96	2.77	3.11	184.69
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MI-28 Beaver Creek Entire Length	Background	0.30	0.36	2.15	4.23	1.26	1.43	0.32	0.18	0.05	0.16	0.15	0.16	10.76
	Agricultural	1.36E-03	9.06E-04	6.59E-03	8.94E-03	1.07E-03	5.45E-03	1.37E-03	1.68E-04	1.05E-04	7.17E-04	3.94E-04	3.86E-04	0.03
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MI-29 South Branch Creek Entire Length	Background	0.27	0.32	1.92	3.75	1.14	1.24	0.28	0.16	0.05	0.14	0.14	0.14	9.55
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MI-30 Indian Creek Entire Length	Background	0.79	0.94	5.62	11.04	3.30	3.73	0.82	0.47	0.14	0.42	0.40	0.42	28.12
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MI-31 Lincoln Creek Entire Length	Background	1.98	2.26	14.33	28.88	8.43	8.80	2.26	1.23	0.33	0.96	0.97	1.05	71.48
	Agricultural	5.53E-03	4.07E-03	0.02	0.04	8.86E-03	0.02	3.61E-03	2.20E-03	1.14E-03	2.51E-03	2.21E-03	2.48E-03	0.11
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MI-32 Milwaukee River From Estuary to Lincoln Creek	Background	0.43	0.34	3.33	7.30	1.59	2.21	0.81	0.17	0.06	0.07	0.20	0.21	16.72
	Agricultural	0.09	0.04	0.51	0.57	0.07	0.49	0.22	0.01	7.63E-03	0.02	0.03	0.02	2.08
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A.2 (MI) - Baseline Nonpoint Source Total Suspended Solids Loads - FINAL
Note: Loads are averaged for each calendar month over the 10-year simulation period (1988 - 1997).

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Average Annual TSS Load (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MI-1 Upper Milwaukee River From Campbellsport to Headwaters	Background	32,202.14	11,956.48	101,151.29	278,561.83	1,281,972.67	432,487.70	544,321.88	41,357.11	1,744.29	14,104.60	5,576.92	7,305.87	2,752,742.79
	Agricultural	1,773,173.48	882,358.74	2,496,898.14	4,211,986.51	9,367,862.13	3,178,029.72	3,126,158.23	403,686.69	101,590.86	614,024.76	300,534.55	340,299.44	26,796,603.24
	Non-Permitted Urban	8,459.24	7,738.25	28,131.24	56,589.99	142,671.18	141,562.22	120,100.48	93,285.28	101,489.49	72,331.17	20,913.73	5,981.74	799,254.01
MI-2 Upper Milwaukee River From Kewaskum to Campbellsport and Auburn	Background	7,033.22	5,123.81	27,058.51	105,454.09	328,100.39	225,692.84	141,067.90	10,000.27	1,373.92	3,472.56	2,494.71	3,512.22	860,384.45
	Agricultural	226,914.07	150,297.21	303,685.28	606,321.29	875,176.13	656,601.16	242,942.65	56,438.38	16,937.12	55,078.89	49,550.24	61,064.20	3,301,006.62
	Non-Permitted Urban	6,799.93	6,150.79	17,634.79	40,044.56	91,631.39	101,728.88	83,291.01	100,125.02	67,010.42	38,961.00	18,785.52	6,044.02	578,207.33
MI-3 West Branch Milwaukee River Entire Length	Background	15,603.20	8,460.74	61,853.19	176,162.04	846,151.69	308,389.70	357,602.91	27,651.57	1,255.81	9,316.63	3,854.33	5,148.63	1,821,450.44
	Agricultural	1,416,191.95	844,914.14	2,108,888.36	3,623,216.37	9,041,727.60	2,989,448.83	2,877,143.56	354,206.32	98,218.15	519,841.34	305,776.43	331,485.29	24,511,058.33
	Non-Permitted Urban	7,574.22	7,137.23	23,908.32	49,525.81	157,632.87	150,457.37	125,787.50	112,388.88	108,490.03	68,777.38	20,276.97	5,957.11	837,913.67
MI-4 Kewaskum Creek Entire Length	Background	1,289.36	1,421.97	8,045.91	22,005.03	147,794.58	44,762.92	65,722.37	4,299.90	353.95	1,505.81	736.19	950.27	298,888.25
	Agricultural	153,108.80	179,746.42	345,344.98	642,516.72	1,656,385.17	587,168.47	547,475.39	78,968.17	19,154.13	118,433.65	61,005.45	66,177.74	4,455,485.08
	Non-Permitted Urban	2,055.58	2,253.07	6,516.98	14,321.49	54,282.28	42,317.67	38,165.65	28,755.22	28,701.14	20,430.41	6,104.76	2,130.70	246,034.96
MI-5 Watercress Creek and East Branch Milwaukee River Entire Length	Background	15,910.24	11,185.48	45,729.73	194,522.13	406,345.34	426,230.37	173,685.69	13,533.88	3,901.52	5,282.93	5,819.01	8,073.94	1,310,220.26
	Agricultural	371,892.03	197,759.37	473,473.74	850,005.09	1,549,825.56	805,624.17	446,249.40	78,004.60	25,174.66	85,484.82	68,927.59	81,478.63	5,033,899.68
	Non-Permitted Urban	9,301.26	8,219.10	26,510.98	57,082.80	89,685.00	115,731.66	92,166.01	103,830.69	80,021.12	51,354.53	23,442.63	7,352.63	664,698.42
MI-6 Quaas Creek and Milwaukee River Near West Bend	Background	4,109.97	4,484.95	24,057.22	65,032.36	420,243.04	130,460.85	185,672.62	12,802.44	1,264.44	4,626.70	2,468.10	3,106.63	858,329.32
	Agricultural	112,898.13	130,842.37	230,165.10	380,715.19	1,639,837.42	356,997.09	434,663.42	46,334.22	16,108.42	65,658.70	54,486.75	53,181.89	3,521,888.72
	Non-Permitted Urban	17,951.55	20,120.88	59,410.04	139,657.45	288,322.44	399,412.08	307,663.27	298,465.79	301,000.40	214,204.15	64,348.83	19,892.37	2,130,449.26
MI-7 Myra Creek and Milwaukee River From North Branch Milwaukee River to West Bend	Background	4,525.35	4,780.63	25,627.18	83,385.57	367,917.26	178,360.81	155,301.86	12,151.77	1,005.35	4,097.15	2,211.61	3,080.05	842,444.59
	Agricultural	276,987.64	250,287.18	499,603.41	1,033,470.77	1,495,774.23	1,078,515.96	638,686.13	104,073.47	24,301.31	133,448.27	77,854.04	92,393.43	5,705,395.85
	Non-Permitted Urban	8,837.80	8,464.56	23,284.07	52,815.03	159,599.06	132,692.79	117,679.27	117,404.09	82,990.92	54,623.32	24,113.17	8,349.30	790,853.37
MI-8 North Branch Milwaukee River From Adell Tributary to Headwaters	Background	1,128.35	1,001.52	3,195.14	18,444.17	5,652.43	45,861.65	488.89	544.35	334.31	202.68	469.77	726.80	78,050.05
	Agricultural	100,553.92	54,785.70	103,919.39	260,809.52	29,550.20	371,008.55	12,404.98	17,218.09	5,249.81	7,320.31	17,953.41	23,628.90	1,004,402.79
	Non-Permitted Urban	1,467.29	1,227.80	3,167.10	7,495.91	10,641.70	19,430.18	14,827.76	23,954.75	11,343.61	5,105.93	3,845.51	1,271.05	103,778.60
MI-9 Adell Tributary Entire Length	Background	788.66	667.19	2,685.49	17,239.74	5,026.89	42,832.23	244.27	359.20	169.81	84.06	269.68	469.59	70,836.80
	Agricultural	67,812.03	36,299.22	72,701.74	180,065.03	22,014.21	238,507.24	8,448.86	11,782.65	3,592.49	4,993.28	11,399.76	15,826.76	673,443.25
	Non-Permitted Urban	1,084.46	902.66	2,362.43	5,626.91	8,012.34	14,941.49	11,049.22	18,082.78	8,595.58	3,858.35	2,891.14	940.61	78,347.95
MI-10 Chambers Creek, Batavia Creek, and North Branch Milwaukee River Near Sherman	Background	2,755.14	2,419.64	8,157.56	48,457.22	14,648.52	120,462.22	1,117.09	1,312.43	766.05	449.57	1,100.89	1,744.43	203,390.75
	Agricultural	325,880.96	174,678.21	344,659.40	871,919.66	99,919.57	1,197,596.34	39,444.31	54,877.91	16,710.92	23,803.90	56,452.33	76,327.47	3,282,270.97
	Non-Permitted Urban	4,473.99	3,706.41	9,906.63	23,684.43	33,853.83	56,677.56	43,271.56	71,759.64	34,786.35	16,088.32	12,359.69	3,903.80	314,472.22
MI-11 Melius Creek Entire Length	Background	761.08	688.40	1,977.90	10,736.54	3,390.85	26,710.16	367.95	375.51	250.52	159.28	339.85	505.28	46,263.33
	Agricultural	48,879.13	26,699.82	50,615.60	126,625.06	14,688.12	179,612.37	6,141.20	8,481.79	2,613.67	3,590.19	8,765.51	11,525.45	488,237.92
	Non-Permitted Urban	754.63	630.04	1,628.73	3,868.72	5,470.78	10,109.60	7,526.58	12,127.16	5,739.77	2,600.39	1,974.63	653.37	53,084.40
MI-12 Mink Creek Entire Length	Background	1,996.49	1,774.99	5,613.45	32,250.25	9,906.16	80,193.68	873.67	965.06	597.17	363.71	836.39	1,289.39	136,660.39
	Agricultural	225,083.80	122,019.02	235,593.97	526,355.24	67,518.12	660,440.66	28,381.14	41,262.72	11,515.02	15,592.09	33,800.90	50,300.21	2,017,862.89
	Non-Permitted Urban	2,266.10	1,896.40	4,899.00	11,590.28	16,469.58	29,147.35	21,153.26	35,517.98	17,303.17	7,856.39	5,961.09	1,964.04	156,024.64
MI-13 Stony Creek, Wallace Creek, and North Branch Milwaukee River Near Farmington	Background	6,517.19	5,842.19	23,098.48	124,199.23	131,071.69	301,298.86	46,299.28	5,355.30	1,662.41	1,802.26	2,679.05	4,149.75	653,975.69
	Agricultural	565,451.89	348,869.84	700,665.15	1,631,738.26	1,172,259.73	2,004,346.34	364,902.85	117,695.80	34,652.14	90,912.49	114,705.96	148,735.46	7,294,935.91
	Non-Permitted Urban	9,871.30	8,747.75	23,033.98	53,456.30	108,692.14	129,888.28	101,983.57	138,534.53	78,942.51	43,931.00	26,113.54	8,845.07	732,039.97
MI-14 Silver Creek Entire Length	Background	1,958.07	1,651.24	6,739.58	43,495.97	12,652.26	108,061.83	590.92	888.40	411.41	199.51	660.19	1,159.75	178,469.14
	Agricultural	216,188.27	113,208.80	234,424.47	605,800.80	68,042.23	807,199.62	24,887.32	34,840.79	10,508.84	15,740.73	36,318.19	50,415.62	2,217,575.68
	Non-Permitted Urban	10,096.30	8,209.04	21,723.88	54,095.34	74,558.83	132,235.29	100,090.55	167,244.31	83,725.63	45,978.64	30,146.18	9,462.98	737,566.97
MI-15 Milwaukee River Near Fredonia	Background	1,635.77	1,419.66	5,076.28	31,010.25	9,251.52	77,073.40	613.02	768.24	421.91	237.23	623.39	1,015.90	129,146.58
	Agricultural	176,651.63	95,332.54	184,412.98	466,368.63	52,253.99	654,002.20	21,202.42	29,640.47	8,922.42	12,766.82	31,028.08	41,349.24	1,773,931.41
	Non-Permitted Urban	8,029.95	6,571.09	16,367.17	39,314.76	53,566.71	96,447.56	77,418.87	124,523.23	61,893.26	33,780.14	22,670.11	7,470.93	548,053.78
MI-16 Milwaukee River Near Saukville	Background	1,635.27	1,418.98	8,864.43	84,330.15	11,153.39	192,667.37	1,006.21	6,142.16	227.89	575.13	977.08	784.11	309,782.17
	Agricultural	260,138.26	163,333.98	487,115.68	1,870,744.64	193,679.48	1,506,034.81	57,006.89	74,649.26	14,733.62	35,376.84	70,157.05	79,387.72	4,812,358.24
	Non-Permitted Urban	11,540.58	5,716.66	21,202.93	69,833.36	84,171.27	190,888.18	90,492.87	138,139.47	67,835.38	37,267.78	31,352.66	5,713.10	754,154.24

Table A.2 (MI) - Baseline Nonpoint Source Total Suspended Solids Loads - FINAL
Note: Loads are averaged for each calendar month over the 10-year simulation period (1988 - 1997).

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Average Annual TSS Load (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MI-17 Milwaukee River From Cedar Creek to Saukville	Background	2,360.04	2,288.54	14,048.93	97,360.18	100,517.94	227,940.98	39,313.35	8,469.27	438.14	1,539.73	1,349.54	1,365.82	496,992.46
	Agricultural	98,041.68	91,288.66	187,405.47	518,778.47	621,295.08	577,647.46	201,427.45	35,612.77	9,813.24	38,698.14	34,368.41	36,660.41	2,451,037.24
	Non-Permitted Urban	6,282.28	3,412.16	12,108.47	36,880.22	46,957.17	103,278.53	44,247.36	59,717.15	35,814.85	22,443.47	16,741.07	3,402.06	391,284.79
MI-18 Cedar Creek From Jackson Creek to Headwaters	Background	2,200.88	2,294.36	11,008.89	29,597.30	247,597.10	63,046.34	117,464.24	5,915.29	933.30	2,281.96	1,439.02	1,771.89	485,550.56
	Agricultural	134,560.59	163,377.95	318,635.20	609,750.59	1,578,408.65	578,571.84	601,248.10	67,415.47	16,251.04	101,869.49	55,952.63	58,752.36	4,284,793.91
	Non-Permitted Urban	6,478.42	7,252.09	21,964.16	49,409.33	111,579.88	120,747.13	101,358.02	90,212.57	86,947.09	67,554.05	21,185.72	6,693.50	691,381.95
MI-19 Lehner Creek Entire Length	Background	177.39	200.71	1,211.16	3,331.99	20,512.17	6,669.39	8,839.96	646.05	36.11	218.19	94.31	125.01	42,062.42
	Agricultural	13,430.64	16,431.26	33,031.27	65,065.65	136,487.54	61,210.87	59,149.29	7,166.41	1,548.96	10,989.04	5,251.28	5,704.23	415,466.45
	Non-Permitted Urban	262.83	284.64	818.87	1,799.01	7,621.31	5,562.38	5,066.69	3,923.57	3,873.17	2,582.35	757.87	269.83	32,822.52
MI-20 Jackson Creek Entire Length	Background	87.93	100.39	618.83	1,705.63	10,199.21	3,396.53	4,345.95	329.90	15.66	110.11	45.51	60.95	21,016.60
	Agricultural	23,834.33	28,984.58	59,599.76	119,134.65	195,126.50	109,839.68	94,605.84	13,604.14	2,574.46	21,247.55	8,523.38	9,784.09	686,858.96
	Non-Permitted Urban	558.39	618.40	1,858.33	4,122.08	11,986.07	13,333.58	10,669.81	10,002.88	9,967.03	6,247.94	1,754.70	572.98	71,692.18
MI-21 Little Cedar Creek Entire Length	Background	7,858.74	3,025.88	41,702.56	109,873.05	113,348.59	271,052.67	97,796.49	20,622.68	1,677.03	1,086.74	2,024.88	2,480.07	672,549.39
	Agricultural	1,087,633.64	588,995.71	2,749,047.21	4,021,351.36	2,093,764.57	4,143,374.19	2,091,590.62	355,417.47	69,706.55	197,295.44	259,664.41	293,331.92	17,951,173.08
	Non-Permitted Urban	9,656.05	7,717.27	24,119.37	53,017.14	93,598.15	156,943.54	110,957.21	117,586.04	64,560.87	42,750.08	27,952.12	7,496.87	716,354.70
MI-22 Cedar Creek Near Jackson	Background	4,793.27	5,578.43	35,903.59	99,318.46	559,728.17	195,791.40	232,717.02	19,117.47	592.05	6,232.10	2,335.77	3,203.23	1,165,310.95
	Agricultural	362,456.86	431,244.03	860,811.46	1,666,477.28	3,302,112.61	1,519,416.88	1,310,360.29	200,023.69	42,709.43	305,870.15	134,658.15	151,766.82	10,287,907.66
	Non-Permitted Urban	3,938.74	4,256.49	12,259.13	26,866.68	111,488.34	79,556.02	73,171.43	53,432.43	52,330.71	37,313.25	11,130.22	4,028.09	469,771.54
MI-23 Evergreen Creek Near Jackson	Background	418.69	469.68	2,775.38	7,621.00	48,272.48	15,333.29	21,026.84	1,481.32	95.29	506.19	228.18	299.64	98,527.98
	Agricultural	102,819.54	126,398.44	261,284.14	526,671.61	864,084.19	490,426.60	437,083.87	58,383.02	10,988.30	91,359.74	37,246.14	42,313.93	3,049,059.52
	Non-Permitted Urban	582.39	637.19	1,880.80	4,152.39	14,066.87	14,049.71	11,628.19	9,748.63	9,812.28	6,354.71	1,754.60	595.79	75,263.54
MI-24 North Branch Cedar Creek and Cedar Creek From Milwaukee River to Myra Creek	Background	7,374.19	8,332.69	51,007.66	145,350.83	813,897.13	293,024.10	344,483.81	26,673.24	1,266.78	8,851.13	3,715.97	5,046.17	1,709,023.70
	Agricultural	306,694.55	358,718.53	681,898.84	1,264,239.39	3,629,263.44	1,186,072.39	1,212,535.75	147,303.46	38,162.66	216,383.38	126,341.04	132,925.42	9,300,538.86
	Non-Permitted Urban	8,794.21	9,689.46	28,378.52	63,203.41	195,674.06	174,972.96	151,687.17	123,233.33	120,426.45	88,423.18	27,253.53	9,180.28	1,000,916.58
MI-25 Milwaukee River From Pigeon Creek to Cedar Creek	Background	3,725.24	3,139.73	27,458.34	172,689.48	26,487.67	405,301.48	12,768.79	12,966.44	808.71	2,545.02	2,111.49	1,799.29	671,801.69
	Agricultural	198,126.18	129,628.91	523,445.96	2,103,722.89	238,087.67	917,185.75	64,367.34	82,606.79	11,435.95	36,091.08	55,264.13	66,520.38	4,426,483.02
	Non-Permitted Urban	40.13	25.34	79.35	221.01	215.48	518.77	274.57	362.01	198.81	146.26	117.92	28.24	2,227.92
MI-26 Pigeon Creek Entire Length	Background	2,973.89	1,299.88	15,256.53	40,495.02	39,276.30	108,485.37	35,381.41	7,668.41	803.46	524.20	882.67	1,092.29	254,139.42
	Agricultural	234,966.92	91,180.47	571,601.84	800,717.14	208,580.44	844,170.53	364,340.88	56,456.12	12,838.93	18,864.98	45,185.74	51,644.52	3,300,548.51
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MI-27 Milwaukee River From Lincoln Creek to Pigeon Creek	Background	1,411.59	1,272.44	14,909.44	34,178.70	11,417.04	75,921.52	9,313.31	1,863.74	464.67	1,940.54	623.48	800.22	154,116.69
	Agricultural	39,446.67	14,379.34	111,920.92	154,870.38	30,377.15	129,522.91	55,784.51	6,620.92	1,811.56	5,015.53	6,871.17	7,892.80	564,513.87
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MI-28 Beaver Creek Entire Length	Background	51.91	54.44	538.88	1,240.47	402.33	2,806.45	257.88	45.80	21.48	79.21	28.12	36.72	5,563.68
	Agricultural	3.87	2.52	19.66	28.31	3.43	17.55	4.29	0.44	0.22	1.99	0.96	0.93	84.16
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MI-29 South Branch Creek Entire Length	Background	44.39	47.03	489.17	1,116.30	363.93	2,478.83	232.44	39.64	17.51	71.71	23.48	30.59	4,955.02
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MI-30 Indian Creek Entire Length	Background	135.05	141.81	1,412.17	3,247.28	1,053.89	7,330.02	675.21	119.33	55.58	207.50	72.95	95.26	14,546.05
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MI-31 Lincoln Creek Entire Length	Background	294.89	305.40	3,663.02	8,624.22	2,646.21	19,974.58	2,109.69	287.01	107.52	469.66	147.27	209.41	38,838.89
	Agricultural	2.77	2.14	15.84	23.97	5.83	11.62	2.24	1.36	0.75	1.33	1.03	1.09	69.96
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MI-32 Milwaukee River From Estuary to Lincoln Creek	Background	64.68	53.20	861.89	1,783.05	425.87	5,516.39	878.20	46.47	25.23	21.38	36.48	44.27	9,757.11
	Agricultural	247.76	116.01	1,511.64	1,794.66	199.50	1,573.17	697.55	33.40	14.63	49.82	64.78	50.45	6,353.36
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A.3 (MI) - Baseline Nonpoint Source Fecal Coliform Loads - FINAL

Note: Loads are averaged for each calendar month over the 10-year simulation period (1988 - 1997).

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)					Average Recreation Season Fecal Coliform Load (billion cells/season)
		May	Jun	Jul	Aug	Sep	
MI-1 Upper Milwaukee River From Campbellsport to Headwaters	Background	342.36	736.45	196.72	157.52	51.39	1,484.43
	Agricultural	41,159.16	80,119.38	65,295.73	42,901.45	28,070.62	257,546.35
	Non-Permitted Urban	71,813.57	78,901.43	83,665.31	67,751.13	73,116.01	375,247.45
MI-2 Upper Milwaukee River From Kewaskum to Campbellsport and Auburn	Background	199.55	386.76	87.83	77.81	34.94	786.89
	Agricultural	13,460.51	26,900.23	19,080.20	13,003.87	8,744.03	81,188.84
	Non-Permitted Urban	47,448.43	46,019.92	44,490.34	44,368.81	41,593.20	223,920.69
MI-3 West Branch Milwaukee River Entire Length	Background	245.10	515.90	134.03	109.13	36.54	1,040.70
	Agricultural	45,733.87	90,114.16	72,007.09	47,398.43	31,111.58	286,365.13
	Non-Permitted Urban	64,558.25	69,290.75	72,729.38	60,749.80	64,642.92	331,971.09
MI-4 Kewaskum Creek Entire Length	Background	42.51	90.85	29.69	20.67	8.98	192.70
	Agricultural	8,535.70	16,659.92	13,537.86	8,927.09	5,876.48	53,537.05
	Non-Permitted Urban	14,369.86	15,781.36	16,542.78	13,099.93	14,204.43	73,998.37
MI-5 Watercress Creek and East Branch Milwaukee River Entire Length	Background	420.44	872.56	191.84	172.13	93.55	1,750.51
	Agricultural	20,621.43	42,638.38	30,769.56	21,116.01	14,200.93	129,346.31
	Non-Permitted Urban	106,961.81	106,884.58	108,813.46	101,699.85	99,717.52	524,077.22
MI-6 Quaas Creek and Milwaukee River Near West Bend	Background	132.88	286.84	98.84	67.06	31.38	617.00
	Agricultural	8,233.36	15,792.78	13,085.78	8,559.07	5,594.05	51,265.04
	Non-Permitted Urban	203,581.48	222,990.72	233,271.04	196,057.19	200,120.17	1,056,020.59
MI-7 Myra Creek and Milwaukee River From North Branch Milwaukee River to West Bend	Background	152.52	316.15	75.47	64.69	26.54	635.37
	Agricultural	14,980.55	30,135.91	21,435.45	14,438.82	9,649.97	90,640.70
	Non-Permitted Urban	54,818.11	54,197.89	51,586.66	50,332.91	47,344.05	258,279.63
MI-8 North Branch Milwaukee River From Adell Tributary to Headwaters	Background	41.86	83.80	12.64	15.04	8.12	161.45
	Agricultural	5,881.86	12,321.00	7,702.56	5,395.95	3,696.52	34,997.89
	Non-Permitted Urban	14,389.21	13,096.49	12,153.06	13,605.93	12,021.22	65,265.91
MI-9 Adell Tributary Entire Length	Background	34.53	60.37	6.59	10.29	4.48	116.26
	Agricultural	4,357.01	9,432.80	5,713.64	4,077.08	2,767.26	26,347.78
	Non-Permitted Urban	11,021.03	10,006.90	9,286.74	10,403.98	9,181.44	49,900.10
MI-10 Chambers Creek, Batavia Creek, and North Branch Milwaukee River Near Sherman	Background	106.36	206.03	29.10	36.55	18.88	396.91
	Agricultural	18,781.39	39,690.08	24,525.59	17,259.87	11,789.21	112,046.14
	Non-Permitted Urban	50,245.76	45,122.77	42,382.91	47,402.57	41,597.31	226,751.32
MI-11 Melius Creek Entire Length	Background	26.17	55.82	9.40	10.23	5.94	107.56
	Agricultural	3,059.13	6,478.18	4,012.15	2,827.86	1,933.65	18,310.96
	Non-Permitted Urban	7,354.78	6,761.94	6,185.66	6,927.77	6,088.60	33,318.75
MI-12 Mink Creek Entire Length	Background	73.60	148.11	22.56	26.63	14.47	285.37
	Agricultural	13,441.35	27,472.91	17,657.30	12,282.64	8,318.91	79,173.11
	Non-Permitted Urban	23,846.82	21,539.76	20,133.42	22,528.26	19,863.57	107,911.83
MI-13 Stony Creek, Wallace Creek, and North Branch Milwaukee River Near Farmington	Background	260.05	481.32	75.19	87.24	41.93	945.73
	Agricultural	30,219.51	62,175.99	40,778.31	28,193.49	19,051.81	180,419.12
	Non-Permitted Urban	84,244.91	77,796.89	72,811.64	79,151.91	70,677.38	384,682.73
MI-14 Silver Creek Entire Length	Background	86.57	150.17	16.00	25.52	10.93	289.19
	Agricultural	10,894.08	22,769.54	13,993.79	9,800.01	6,683.07	64,140.49
	Non-Permitted Urban	87,417.93	82,178.37	76,701.43	88,273.36	76,860.37	411,431.46
MI-15 Milwaukee River Near Fredonia	Background	65.86	123.25	16.12	21.58	10.59	237.41
	Agricultural	9,372.61	19,398.47	12,014.00	8,360.10	5,718.20	54,863.37
	Non-Permitted Urban	62,154.58	56,913.39	52,570.28	59,998.02	52,451.57	284,087.84
MI-16 Milwaukee River Near Saukville	Background	48.09	79.92	17.44	31.98	5.96	183.39
	Agricultural	8,387.82	21,122.10	11,418.17	8,662.68	5,611.55	55,202.32
	Non-Permitted Urban	11,779.34	12,012.43	9,712.56	11,214.64	9,362.06	54,081.03

Table A.3 (MI) - Baseline Nonpoint Source Fecal Coliform Loads - FINAL

Note: Loads are averaged for each calendar month over the 10-year simulation period (1988 - 1997).

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)					Average Recreation Season Fecal Coliform Load (billion cells/season)
		May	Jun	Jul	Aug	Sep	
MI-17	Background	71.71	136.98	33.59	43.85	11.41	297.55
Milwaukee River	Agricultural	4,870.62	10,654.52	7,116.47	4,905.18	3,142.33	30,689.12
From Cedar Creek to Saukville	Non-Permitted Urban	2,279.04	3,304.56	1,947.53	1,940.58	1,282.76	10,754.47
MI-18	Background	77.55	166.21	65.67	40.50	21.88	371.81
Cedar Creek	Agricultural	7,641.03	14,654.42	12,039.45	7,826.39	5,158.83	47,320.12
From Jackson Creek to Headwaters	Non-Permitted Urban	10,918.40	12,169.68	12,345.10	9,561.67	10,089.48	55,084.33
MI-19	Background	5.66	12.07	3.51	2.64	0.99	24.87
Lehner Creek	Agricultural	689.31	1,392.84	1,089.22	716.54	474.77	4,362.68
Entire Length	Non-Permitted Urban	2,659.93	2,940.77	3,082.05	2,464.00	2,678.96	13,825.71
MI-20	Background	2.77	5.91	1.64	1.28	0.44	12.04
Jackson Creek	Agricultural	820.88	1,635.27	1,301.38	842.90	553.00	5,153.43
Entire Length	Non-Permitted Urban	351.80	598.99	342.19	249.03	234.33	1,776.33
MI-21	Background	130.92	208.90	127.71	102.09	31.67	601.29
Little Cedar Creek	Agricultural	22,872.21	44,802.16	39,681.62	27,081.00	18,942.27	153,379.26
Entire Length	Non-Permitted Urban	29,778.40	31,290.97	32,005.81	31,958.27	24,602.08	149,635.54
MI-22	Background	147.08	313.24	77.36	65.37	18.99	622.05
Cedar Creek	Agricultural	15,971.13	32,248.50	25,093.49	16,614.27	10,977.56	100,904.94
Near Jackson	Non-Permitted Urban	28,518.91	32,204.65	32,933.87	26,077.49	28,440.18	148,175.11
MI-23	Background	13.51	28.84	8.74	6.40	2.53	60.01
Evergreen Creek	Agricultural	3,797.76	7,611.39	6,030.91	3,908.01	2,573.74	23,921.81
Near Jackson	Non-Permitted Urban	1,172.72	1,505.41	1,291.39	991.26	1,048.60	6,009.38
MI-24	Background	235.90	496.89	130.59	105.39	36.25	1,005.02
North Branch Cedar Creek and Cedar Creek	Agricultural	18,642.91	36,483.36	29,238.17	19,277.53	12,718.27	116,360.23
From Milwaukee River to Myra Creek	Non-Permitted Urban	59,067.57	64,829.44	67,465.56	54,353.06	57,554.20	303,269.83
MI-25	Background	99.43	161.07	60.24	75.27	19.20	415.22
Milwaukee River	Agricultural	5,626.95	17,313.91	8,284.79	7,410.17	4,154.39	42,790.21
From Pigeon Creek to Cedar Creek	Non-Permitted Urban	291.32	290.37	285.68	311.54	246.66	1,425.58
MI-26	Background	53.92	94.57	58.83	43.47	16.05	266.84
Pigeon Creek	Agricultural	5,332.34	11,029.89	9,701.52	6,641.27	4,512.55	37,217.56
Entire Length	Non-Permitted Urban	-	-	-	-	-	-
MI-27	Background	45.35	63.10	29.54	23.21	10.92	172.12
Milwaukee River	Agricultural	573.99	1,070.08	929.51	636.11	479.14	3,688.83
From Lincoln Creek to Pigeon Creek	Non-Permitted Urban	-	-	-	-	-	-
MI-28	Background	1.86	2.76	1.19	0.92	0.51	7.24
Beaver Creek	Agricultural	0.10	0.15	0.12	0.08	0.06	0.51
Entire Length	Non-Permitted Urban	-	-	-	-	-	-
MI-29	Background	1.61	2.32	1.00	0.78	0.42	6.13
South Branch Creek	Agricultural	-	-	-	-	-	-
Entire Length	Non-Permitted Urban	-	-	-	-	-	-
MI-30	Background	4.84	7.17	3.10	2.39	1.32	18.82
Indian Creek	Agricultural	-	-	-	-	-	-
Entire Length	Non-Permitted Urban	-	-	-	-	-	-
MI-31	Background	11.05	15.52	6.90	5.33	2.62	41.43
Lincoln Creek	Agricultural	2.13	4.28	2.61	2.08	1.47	12.57
Entire Length	Non-Permitted Urban	-	-	-	-	-	-
MI-32	Background	2.45	4.24	2.25	1.12	0.61	10.67
Milwaukee River	Agricultural	9.18	15.30	11.66	7.84	5.81	49.80
From Estuary to Lincoln Creek	Non-Permitted Urban	-	-	-	-	-	-

Table A.4 (MI) - Baseline MS4 Total Phosphorus Loads - FINAL

Note: Baseline MS4 loads reflect reduction of TP associated with 20% TSS reduction from no controls.

Municipality	Reach	Area (acres)	Monthly TP Load (lbs/month)												Average Annual TP Load (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Bayside, Village	MI-30	245	8.89	8.58	20.30	24.00	11.73	17.66	11.32	9.91	8.30	10.30	11.48	7.85	150.33
Brown Deer, Village	MI-27	373	34.79	35.08	70.23	74.85	42.31	54.34	43.12	45.27	36.27	34.31	45.96	28.64	545.15
	MI-28	1,222	163.68	171.87	328.02	338.16	193.52	229.61	188.73	205.31	179.86	171.45	228.87	144.42	2,543.49
	MI-29	1,066	106.33	110.26	219.28	233.08	128.41	157.23	124.11	130.86	114.08	113.51	146.11	92.89	1,676.13
	MI-31	160	12.23	12.16	24.57	27.22	14.26	19.24	14.63	14.58	12.68	12.46	16.56	10.67	191.26
Cedarburg, City	MI-24	2,849	36.76	42.16	78.48	83.88	90.77	94.19	86.07	45.07	44.02	53.82	56.72	36.19	748.12
	MI-25	74	4.58	4.33	8.84	9.92	5.65	7.14	5.36	5.71	4.14	4.13	5.51	3.45	68.74
	MI-26	195	11.80	10.60	19.74	21.70	14.77	18.25	16.59	15.20	10.30	10.43	13.89	9.86	173.14
Cedarburg, Town	MI-17	1,617	30.49	30.26	58.76	77.90	50.39	74.65	43.19	37.08	25.55	30.55	39.57	24.77	523.16
	MI-21	425	6.06	5.62	11.63	13.08	9.26	15.09	11.71	8.16	5.33	5.62	7.44	4.90	103.92
	MI-22	2,753	15.68	18.13	33.00	37.90	46.06	50.79	42.49	19.90	19.02	23.43	23.39	15.16	344.96
	MI-24	9,548	123.19	141.27	263.00	281.10	304.19	315.63	288.42	151.02	147.53	180.34	190.07	121.27	2,507.00
	MI-26	1,596	96.66	86.78	161.69	177.68	120.99	149.48	135.85	124.48	84.34	85.39	113.79	80.78	1,417.92
Fox Point, Village	MI-27	73	6.83	6.89	13.79	14.70	8.31	10.67	8.47	8.89	7.12	6.74	9.03	5.62	107.05
	MI-30	959	34.84	33.64	79.55	94.06	45.98	69.21	44.35	38.85	32.52	40.38	45.00	30.75	589.13
Germantown, Village	MI-21	3,279	46.70	43.36	89.69	100.87	71.37	116.38	90.28	62.94	41.13	43.31	57.40	37.78	801.19
Glendale, City	MI-27	2,737	255.18	257.37	515.18	549.07	310.39	398.61	316.30	332.07	266.05	251.67	337.15	210.10	3,999.14
	MI-30	121	4.40	4.25	10.04	11.87	5.80	8.74	5.60	4.90	4.11	5.10	5.68	3.88	74.37
	MI-31	430	32.99	32.79	66.24	73.39	38.44	51.87	39.45	39.31	34.19	33.60	44.64	28.77	515.68
	MI-32	492	30.88	27.53	61.33	67.13	35.38	48.08	36.70	34.87	30.28	31.29	42.47	25.83	471.76
Grafton, Town	MI-16	5	0.07	0.07	0.13	0.16	0.09	0.15	0.08	0.08	0.06	0.07	0.09	0.06	1.11
	MI-17	3,397	64.04	63.57	123.42	163.64	105.84	156.80	90.72	77.89	53.68	64.17	83.11	52.03	1,098.91
	MI-24	312	4.03	4.62	8.60	9.19	9.95	10.32	9.43	4.94	4.83	5.90	6.22	3.97	82.00
	MI-25	5,975	367.27	347.22	709.73	795.90	453.46	572.87	429.88	458.48	332.62	331.67	442.37	276.68	5,518.15
Grafton, Village	MI-17	2,029	38.26	37.97	73.73	97.76	63.23	93.67	54.20	46.53	32.07	38.33	49.65	31.09	656.48
	MI-24	413	5.32	6.11	11.37	12.15	13.15	13.64	12.47	6.53	6.38	7.80	8.22	5.24	108.36
	MI-25	797	48.97	46.30	94.63	106.12	60.46	76.38	57.32	61.13	44.35	44.22	58.98	36.89	735.75
Jackson, Village	MI-18	142	2.59	3.02	5.60	5.75	5.19	5.29	5.25	3.11	3.12	3.86	4.18	2.61	49.58
	MI-20	710	17.32	20.17	37.42	42.03	30.56	41.73	31.60	21.75	21.39	26.87	26.73	17.06	334.63
	MI-21	846	12.04	11.18	23.13	26.01	18.40	30.01	23.28	16.23	10.61	11.17	14.80	9.74	206.59
	MI-22	241	1.38	1.59	2.89	3.32	4.04	4.45	3.73	1.75	1.67	2.05	2.05	1.33	30.25
Kewaskum, Village	MI-02	773	6.06	5.89	11.02	10.94	9.51	11.31	8.39	6.31	5.76	6.54	8.17	5.25	95.15
	MI-03	44	0.19	0.19	0.39	0.39	0.39	0.40	0.37	0.21	0.21	0.25	0.26	0.16	3.41
	MI-04	593	3.52	4.08	7.51	8.04	9.98	9.97	9.32	4.31	4.18	5.16	5.40	3.47	74.93
	MI-05	90	0.49	0.46	0.92	0.88	0.66	0.79	0.61	0.50	0.47	0.54	0.66	0.41	7.40
Mequon, City	MI-21	41	0.58	0.54	1.11	1.25	0.89	1.45	1.12	0.78	0.51	0.54	0.71	0.47	9.95
	MI-24	524	6.76	7.75	14.42	15.42	16.68	17.31	15.82	8.28	8.09	9.89	10.42	6.65	137.49
	MI-25	8,821	542.21	512.61	1,047.79	1,175.02	669.46	845.74	634.64	676.87	491.06	489.65	653.09	408.47	8,146.61
	MI-26	5,328	322.67	289.69	539.79	593.17	403.91	498.99	453.50	415.56	281.56	285.07	379.85	269.67	4,733.44
	MI-27	5,397	503.21	507.54	1,015.95	1,082.76	612.09	786.07	623.74	654.84	524.65	496.29	664.86	414.32	7,886.31
	MI-28	28	3.73	3.91	7.47	7.70	4.41	5.23	4.30	4.67	4.09	3.90	5.21	3.29	57.90

Table A.4 (MI) - Baseline MS4 Total Phosphorus Loads - FINAL

Note: Baseline MS4 loads reflect reduction of TP associated with 20% TSS reduction from no controls.

Municipality	Reach	Area (acres)	Monthly TP Load (lbs/month)												Average Annual TP Load (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Milwaukee, City	MI-27	1,162	108.33	109.26	218.70	233.09	131.77	169.22	134.27	140.97	112.94	106.84	143.13	89.19	1,697.70
	MI-28	924	123.73	129.92	247.96	255.62	146.29	173.57	142.67	155.20	135.96	129.60	173.01	109.17	1,922.68
	MI-29	771	76.88	79.72	158.55	168.52	92.84	113.68	89.74	94.61	82.49	82.07	105.64	67.16	1,211.90
	MI-31	12,084	926.11	920.48	1,859.63	2,060.45	1,079.08	1,456.12	1,107.60	1,103.66	960.00	943.35	1,253.29	807.82	14,477.59
	MI-32	901	56.58	50.45	112.38	123.02	64.83	88.10	67.25	63.90	55.49	57.34	77.82	47.34	864.52
Port Washington, City	MI-16	92	1.41	1.38	2.63	3.09	1.77	2.86	1.55	1.64	1.13	1.34	1.82	1.12	21.74
	MI-25	105	6.47	6.12	12.51	14.02	7.99	10.09	7.57	8.08	5.86	5.84	7.79	4.88	97.23
Richfield, Village	MI-21	3,638	51.81	48.10	99.49	111.89	79.17	129.10	100.15	69.82	45.63	48.04	63.67	41.91	888.78
River Hills, Village	MI-27	2,044	190.61	192.25	384.82	410.13	231.85	297.75	236.26	248.04	198.73	187.98	251.84	156.94	2,987.20
	MI-29	30	2.96	3.07	6.11	6.49	3.58	4.38	3.46	3.64	3.18	3.16	4.07	2.59	46.69
	MI-30	660	23.97	23.14	54.72	64.71	31.63	47.61	30.51	26.73	22.37	27.78	30.95	21.15	405.30
Saukville, Village	MI-16	1,961	30.10	29.38	56.15	65.91	37.74	60.94	32.96	34.93	24.18	28.64	38.82	23.83	463.57
	MI-17	312	5.88	5.83	11.33	15.02	9.72	14.39	8.33	7.15	4.93	5.89	7.63	4.78	100.87
Shorewood, Village	MI-32	461	28.95	25.81	57.50	62.95	33.17	45.08	34.41	32.70	28.39	29.34	39.82	24.22	442.33
Slinger, Village	MI-18	64	1.17	1.37	2.54	2.61	2.35	2.40	2.38	1.41	1.41	1.75	1.89	1.18	22.46
	MI-19	4	0.03	0.03	0.06	0.07	0.08	0.09	0.08	0.04	0.04	0.04	0.04	0.03	0.64
	MI-21	710	10.11	9.38	19.41	21.83	15.44	25.18	19.53	13.62	8.90	9.37	12.42	8.17	173.37
Thiensville, Village	MI-25	196	12.08	11.42	23.34	26.17	14.91	18.84	14.13	15.08	10.94	10.91	14.55	9.10	181.44
	MI-26	417	25.28	22.69	42.29	46.47	31.64	39.09	35.53	32.56	22.06	22.33	29.76	21.13	370.82
	MI-27	67	6.28	6.33	12.67	13.51	7.63	9.80	7.78	8.17	6.54	6.19	8.29	5.17	98.37
West Bend, City	MI-02	12	0.09	0.09	0.17	0.17	0.15	0.18	0.13	0.10	0.09	0.10	0.13	0.08	1.49
	MI-06	8,433	482.04	552.08	1,053.16	1,135.28	867.58	906.73	884.12	649.04	637.71	760.43	774.80	476.31	9,179.27
	MI-07	816	7.07	7.20	13.10	13.71	15.17	17.30	13.20	7.69	7.04	8.07	9.65	6.30	125.48
	MI-13	3	0.02	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.26
	MI-23	90	0.40	0.47	0.86	0.98	0.89	1.11	0.88	0.51	0.50	0.62	0.62	0.39	8.24
West Bend, Town	MI-06	4,961	283.58	324.78	619.56	667.87	510.39	533.42	520.12	381.82	375.16	447.35	455.80	280.21	5,400.05
	MI-18	5,093	93.03	108.53	201.09	206.46	186.46	189.95	188.52	111.59	112.05	138.45	150.04	93.76	1,779.93
	MI-22	17	0.10	0.11	0.20	0.23	0.28	0.31	0.26	0.12	0.12	0.14	0.14	0.09	2.11
	MI-23	164	0.73	0.85	1.56	1.78	1.62	2.01	1.59	0.93	0.90	1.13	1.12	0.71	14.93
Whitefish Bay, Village	MI-27	68	6.33	6.38	12.77	13.62	7.70	9.88	7.84	8.23	6.60	6.24	8.36	5.21	99.17
	MI-32	414	25.98	23.16	51.60	56.49	29.77	40.45	30.88	29.34	25.48	26.33	35.73	21.74	396.95

Table A.5 (MI) - Baseline MS4 Total Suspended Solids Loads - FINAL

Note: Baseline MS4 loads reflect 20% TSS reduction from no controls.

Municipality	Reach	Area (acres)	Monthly TSS Load (lbs/month)												Average Annual TSS Load (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Bayside, Village	MI-30	245	485.20	366.95	1,317.98	2,844.51	2,565.35	6,790.05	4,447.72	5,725.26	2,707.90	2,756.80	1,567.95	381.26	31,956.95
Brown Deer, Village	MI-27	373	1,107.12	795.20	2,566.18	5,691.88	5,357.71	13,036.71	9,104.99	11,056.61	5,989.36	5,277.14	3,586.09	927.18	64,496.18
	MI-28	1,222	5,039.75	3,613.51	12,585.83	27,744.39	27,129.63	63,360.07	48,417.24	63,749.66	32,783.42	31,057.34	18,080.61	4,272.81	337,834.26
	MI-29	1,066	3,526.17	2,560.50	8,906.85	19,521.97	18,595.04	45,604.03	32,945.01	42,644.36	22,027.94	21,037.32	12,278.20	2,973.61	232,621.01
	MI-31	160	484.56	320.70	1,198.57	2,939.72	2,315.81	7,005.80	4,568.51	5,679.46	3,022.33	2,852.86	1,620.55	453.77	32,462.63
Cedarburg, City	MI-24	2,849	1,869.12	2,059.40	6,031.57	13,433.24	41,588.53	37,188.72	32,239.57	26,191.99	25,595.42	18,793.45	5,792.46	1,951.18	212,734.65
	MI-25	74	209.96	132.58	415.17	1,156.32	1,127.36	2,714.14	1,436.52	1,894.02	1,040.17	765.22	616.97	147.77	11,656.20
	MI-26	195	889.97	648.37	1,967.33	4,629.31	5,147.97	7,544.12	6,536.10	7,802.95	4,542.31	3,454.60	2,848.42	766.59	46,778.04
Cedarburg, Town	MI-17	1,617	2,958.53	1,606.90	5,702.27	17,368.10	22,113.66	48,637.23	20,837.53	28,122.76	16,866.38	10,569.36	7,883.92	1,602.14	184,268.78
	MI-21	425	356.77	285.14	891.17	1,958.89	3,458.29	5,798.79	4,099.67	4,344.60	2,385.41	1,579.54	1,032.78	277.00	26,468.05
	MI-22	2,753	781.26	844.29	2,431.63	5,329.07	22,113.97	15,780.12	14,513.72	10,598.45	10,379.92	7,401.17	2,207.71	798.98	93,180.27
	MI-24	9,548	6,263.55	6,901.19	20,212.22	45,015.78	139,366.21	124,622.13	108,037.14	87,771.28	85,772.11	62,978.22	19,410.96	6,538.53	712,889.32
	MI-26	1,596	7,288.39	5,309.84	16,111.39	37,911.70	42,159.24	61,782.47	53,527.31	63,902.11	37,199.15	28,291.41	23,327.12	6,277.97	383,088.10
Fox Point, Village	MI-27	73	217.41	156.16	503.93	1,117.75	1,052.12	2,560.09	1,788.00	2,171.25	1,176.17	1,036.30	704.22	182.08	12,665.48
	MI-30	959	1,901.52	1,438.09	5,165.16	11,147.67	10,053.65	26,610.29	17,430.67	22,437.35	10,612.29	10,803.92	6,144.80	1,494.16	125,239.58
Germantown, Village	MI-21	3,279	2,750.73	2,198.43	6,870.92	15,103.07	26,663.44	44,708.73	31,608.54	33,496.91	18,391.55	12,178.28	7,962.76	2,135.64	204,069.01
Glendale, City	MI-27	2,737	8,121.71	5,833.49	18,825.13	41,754.92	39,303.49	95,635.61	66,793.06	81,109.86	43,937.20	38,712.43	26,307.12	6,801.69	473,135.71
	MI-30	121	240.03	181.53	652.01	1,407.20	1,269.10	3,359.09	2,200.32	2,832.33	1,339.62	1,363.81	775.68	188.61	15,809.35
	MI-31	430	1,306.43	864.66	3,231.50	7,925.87	6,243.74	18,888.56	12,317.29	15,312.56	8,148.59	7,691.69	4,369.23	1,223.42	87,523.53
	MI-32	492	1,401.00	819.37	3,968.69	9,178.99	6,821.31	20,072.84	14,021.55	15,761.30	8,118.92	8,841.02	5,070.28	1,190.35	95,265.61
Grafton, Town	MI-16	5	6.79	3.36	12.47	41.06	49.49	112.24	53.21	81.22	39.89	21.91	18.43	3.36	443.42
	MI-17	3,397	6,214.44	3,375.31	11,977.71	36,481.95	46,450.08	102,163.23	43,769.53	59,072.27	35,428.09	22,201.10	16,560.28	3,365.32	387,059.30
	MI-24	312	204.87	225.72	661.10	1,472.37	4,558.36	4,076.12	3,533.66	2,870.81	2,805.42	2,059.88	634.89	213.86	23,317.04
	MI-25	5,975	16,853.41	10,641.98	33,326.12	92,818.12	90,493.07	217,864.27	115,309.80	152,032.99	83,494.87	61,424.00	49,524.17	11,861.22	935,644.02
Grafton, Village	MI-17	2,029	3,712.47	2,016.39	7,155.42	21,794.12	27,749.03	61,031.76	26,147.68	35,289.45	21,164.55	13,262.82	9,893.02	2,010.42	231,227.15
	MI-24	413	270.74	298.30	873.66	1,945.77	6,023.99	5,386.69	4,669.82	3,793.84	3,707.43	2,722.18	839.02	282.62	30,814.06
	MI-25	797	2,247.10	1,418.92	4,443.44	12,375.62	12,065.62	29,048.27	15,374.48	20,270.86	11,132.53	8,189.78	6,603.15	1,581.48	124,751.26
Jackson, Village	MI-18	142	140.78	157.60	477.31	1,073.73	2,424.78	2,624.00	2,202.64	1,960.44	1,889.48	1,468.04	460.39	145.46	15,024.65
	MI-20	710	768.77	851.39	2,558.50	5,675.17	16,502.10	18,357.31	14,689.90	13,771.69	13,722.34	8,601.99	2,415.83	788.86	98,703.84
	MI-21	846	709.29	566.88	1,771.71	3,894.42	6,875.34	11,528.44	8,150.47	8,637.40	4,742.38	3,140.25	2,053.25	550.69	52,620.52
	MI-22	241	68.52	74.04	213.25	467.35	1,939.37	1,383.90	1,272.84	929.47	910.31	649.07	193.61	70.07	8,171.80
Kewaskum, Village	MI-02	773	295.96	267.71	767.53	1,742.89	3,988.14	4,427.62	3,625.13	4,357.81	2,916.54	1,695.73	817.62	263.06	25,165.72
	MI-03	44	9.03	8.51	28.51	59.06	187.98	179.42	150.00	134.02	129.37	82.02	24.18	7.10	999.20
	MI-04	593	174.94	191.74	554.61	1,218.80	4,619.59	3,601.36	3,248.01	2,447.16	2,442.56	1,738.69	519.53	181.33	20,938.33
	MI-05	90	25.35	22.40	72.26	155.60	244.46	315.46	251.23	283.02	218.12	139.98	63.90	20.04	1,811.85
Mequon, City	MI-21	41	34.16	27.31	85.34	187.58	331.17	555.29	392.59	416.04	228.43	151.26	98.90	26.53	2,534.59
	MI-24	524	343.52	378.49	1,108.52	2,468.86	7,643.44	6,834.81	5,925.22	4,813.75	4,704.11	3,454.00	1,064.58	358.60	39,097.91
	MI-25	8,821	24,881.20	15,711.07	49,200.37	137,030.21	133,597.66	321,639.63	170,235.35	224,450.91	123,266.00	90,682.11	73,114.03	17,511.08	1,381,319.63
	MI-26	5,328	24,330.86	17,725.85	53,784.71	126,560.76	140,740.34	206,248.62	178,690.38	213,324.63	124,182.04	94,445.30	77,873.00	20,957.76	1,278,864.25
	MI-27	5,397	16,016.03	11,503.65	37,123.22	82,340.82	77,506.60	188,593.69	131,716.09	159,948.87	86,644.29	76,341.01	51,877.72	13,412.96	933,024.95
	MI-28	28	114.72	82.26	286.50	631.55	617.56	1,442.29	1,102.14	1,451.15	746.26	706.97	411.57	97.26	7,690.23

Table A.5 (MI) - Baseline MS4 Total Suspended Solids Loads - FINAL

Note: Baseline MS4 loads reflect 20% TSS reduction from no controls.

Municipality	Reach	Area (acres)	Monthly TSS Load (lbs/month)												Average Annual TSS Load (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Milwaukee, City	MI-27	1,162	3,447.81	2,476.42	7,991.60	17,725.70	16,685.02	40,598.99	28,354.82	34,432.56	18,652.11	16,434.10	11,167.83	2,887.44	200,854.40
	MI-28	924	3,809.66	2,731.54	9,513.92	20,972.63	20,507.92	47,895.35	36,599.72	48,189.85	24,781.75	23,476.96	13,667.56	3,229.91	255,376.77
	MI-29	771	2,549.55	1,851.33	6,439.98	14,115.09	13,444.90	32,973.38	23,820.44	30,833.43	15,927.00	15,210.75	8,877.59	2,150.03	168,193.48
	MI-31	12,084	36,678.05	24,275.33	90,724.34	222,519.07	175,293.08	530,296.84	345,808.39	429,900.63	228,771.99	215,944.48	122,666.16	34,347.57	2,457,225.93
	MI-32	901	2,567.35	1,501.51	7,272.70	16,820.67	12,500.17	36,783.85	25,694.74	28,882.86	14,878.07	16,201.33	9,291.39	2,181.33	174,575.97
Port Washington, City	MI-16	92	132.36	65.57	243.18	800.93	965.38	2,189.34	1,037.88	1,584.35	778.02	427.43	359.59	65.52	8,649.55
	MI-25	105	296.96	187.52	587.22	1,635.50	1,594.53	3,838.86	2,031.81	2,678.89	1,471.22	1,082.32	872.64	209.00	16,486.45
Richfield, Village	MI-21	3,638	3,051.45	2,438.77	7,622.05	16,754.15	29,578.31	49,596.33	35,064.01	37,158.82	20,402.13	13,509.62	8,833.26	2,369.11	226,378.00
River Hills, Village	MI-27	2,044	6,066.61	4,357.40	14,061.67	31,189.36	29,358.24	71,436.22	49,891.91	60,586.03	32,819.45	28,916.73	19,650.44	5,080.61	353,414.67
	MI-29	30	98.22	71.32	248.09	543.76	517.94	1,270.24	917.64	1,187.80	613.56	585.96	341.99	82.83	6,479.33
	MI-30	660	1,308.15	989.34	3,553.39	7,669.07	6,916.43	18,306.62	11,991.47	15,435.83	7,300.75	7,432.58	4,227.33	1,027.91	86,158.89
Saukville, Village	MI-16	1,961	2,822.93	1,398.35	5,186.43	17,081.87	20,589.06	46,692.99	22,135.38	33,790.17	16,593.15	9,116.04	7,669.14	1,397.48	184,472.99
	MI-17	312	570.41	309.81	1,099.41	3,348.61	4,263.56	9,377.37	4,017.52	5,422.13	3,251.88	2,037.80	1,520.04	308.90	35,527.43
Shorewood, Village	MI-32	461	1,313.59	768.25	3,721.09	8,606.33	6,395.74	18,820.52	13,146.76	14,777.97	7,612.39	8,289.44	4,753.95	1,116.08	89,322.12
Slinger, Village	MI-18	64	63.78	71.39	216.23	486.42	1,098.47	1,188.72	997.84	888.12	855.97	665.05	208.57	65.90	6,806.47
	MI-19	4	1.41	1.53	4.41	9.68	41.00	29.92	27.26	21.11	20.84	13.89	4.08	1.45	176.57
	MI-21	710	595.23	475.72	1,486.80	3,268.15	5,769.69	9,674.50	6,839.76	7,248.38	3,979.74	2,635.25	1,723.06	462.13	44,158.40
Thiensville, Village	MI-25	196	554.16	349.92	1,095.81	3,051.98	2,975.53	7,163.66	3,791.54	4,999.04	2,745.42	2,019.70	1,628.42	390.01	30,765.19
	MI-26	417	1,906.08	1,388.65	4,213.51	9,914.80	11,025.63	16,157.56	13,998.64	16,711.90	9,728.45	7,398.87	6,100.59	1,641.84	100,186.50
	MI-27	67	199.77	143.48	463.04	1,027.04	966.74	2,352.33	1,642.89	1,995.04	1,080.71	952.20	647.07	167.30	11,637.60
West Bend, City	MI-02	12	4.64	4.19	12.02	27.30	62.47	69.36	56.79	68.27	45.69	26.56	12.81	4.12	394.22
	MI-06	8,433	20,822.88	23,339.19	68,912.60	161,995.48	334,439.24	463,297.53	356,873.62	346,205.00	349,145.02	248,465.83	74,641.34	23,074.13	2,471,211.86
	MI-07	816	366.63	351.14	965.92	2,190.98	6,620.82	5,504.64	4,881.82	4,870.40	3,442.80	2,266.00	1,000.31	346.36	32,807.83
	MI-13	3	0.86	0.76	2.00	4.65	9.45	11.30	8.87	12.05	6.87	3.82	2.27	0.77	63.67
	MI-23	90	18.32	20.04	59.15	130.59	442.39	441.85	365.70	306.59	308.59	199.85	55.18	18.74	2,366.97
West Bend, Town	MI-06	4,961	12,249.85	13,730.16	40,540.44	95,299.95	196,746.50	272,552.25	209,944.37	203,668.15	205,397.73	146,169.40	43,910.58	13,574.23	1,453,783.61
	MI-18	5,093	5,054.38	5,657.99	17,136.17	38,548.56	87,053.27	94,205.45	79,078.30	70,382.76	67,835.07	52,704.85	16,528.84	5,222.19	539,407.84
	MI-22	17	4.79	5.17	14.90	32.66	135.53	96.71	88.95	64.95	63.61	45.36	13.53	4.90	571.06
	MI-23	164	33.18	36.30	107.16	236.58	801.46	800.48	662.52	555.43	559.06	362.06	99.97	33.95	4,288.15
Whitefish Bay, Village	MI-27	68	201.39	144.65	466.80	1,035.39	974.60	2,371.46	1,656.26	2,011.27	1,089.50	959.95	652.33	168.66	11,732.26
	MI-32	414	1,178.81	689.43	3,339.30	7,723.29	5,739.52	16,889.48	11,797.87	13,261.71	6,831.34	7,438.92	4,266.19	1,001.57	80,157.42

Table A.6 (MI) - Baseline MS4 Fecal Coliform Loads - FINAL

Municipality	Reach	Area (acres)	Monthly Fecal Coliform Load (billion cells/month)					Average Recreation Season Fecal Coliform Load (billion cells/season)
			May	Jun	Jul	Aug	Sep	
Bayside, Village	MI-30	245	3,856.01	3,927.06	3,940.94	4,244.08	3,683.42	19,651.50
Brown Deer, Village	MI-27	373	9,247.34	9,484.59	9,339.09	10,670.30	8,823.18	47,564.49
	MI-28	1,222	45,408.05	46,890.75	45,746.22	51,120.28	44,882.43	234,047.72
	MI-29	1,066	30,495.31	31,567.31	30,782.88	34,215.40	30,020.26	157,081.16
	MI-31	160	4,044.59	4,298.19	3,976.93	4,386.82	3,919.11	20,625.65
Cedarburg, City	MI-24	2,849	12,554.21	13,778.84	14,339.12	11,552.19	12,232.56	64,456.92
	MI-25	74	1,524.17	1,519.18	1,494.66	1,629.93	1,290.50	7,458.45
	MI-26	195	8,242.20	7,366.32	7,905.45	8,922.64	6,673.21	39,109.81
Cedarburg, Town	MI-17	1,617	1,073.27	1,556.23	917.15	913.88	604.09	5,064.63
	MI-21	425	1,100.26	1,156.15	1,182.56	1,180.80	909.00	5,528.77
	MI-22	2,753	5,656.79	6,387.87	6,532.51	5,172.53	5,641.18	29,390.87
	MI-24	9,548	42,070.08	46,173.90	48,051.43	38,712.24	40,992.20	215,999.84
	MI-26	1,596	67,499.36	60,326.36	64,741.57	73,071.83	54,650.13	320,289.24
Fox Point, Village	MI-27	73	1,815.95	1,862.54	1,833.97	2,095.39	1,732.66	9,340.51
	MI-30	959	15,111.73	15,390.18	15,444.58	16,632.57	14,435.36	77,014.41
Germantown, Village	MI-21	3,279	8,483.02	8,913.91	9,117.54	9,104.00	7,008.43	42,626.89
Glendale, City	MI-27	2,737	67,837.27	69,577.71	68,510.33	78,275.97	64,725.72	348,927.01
	MI-30	121	1,907.60	1,942.75	1,949.61	2,099.58	1,822.22	9,721.75
	MI-31	430	10,904.76	11,588.49	10,722.33	11,827.45	10,566.45	55,609.47
	MI-32	492	12,180.86	12,927.36	11,155.42	12,700.56	11,199.99	60,164.19
Grafton, Town	MI-16	5	6.93	7.06	5.71	6.59	5.50	31.80
	MI-17	3,397	2,254.43	3,268.88	1,926.49	1,919.63	1,268.91	10,638.33
	MI-24	312	1,376.02	1,510.25	1,571.66	1,266.19	1,340.76	7,064.88
	MI-25	5,975	122,345.04	121,944.80	119,976.80	130,834.94	103,588.75	598,690.33
Grafton, Village	MI-17	2,029	1,346.78	1,952.81	1,150.88	1,146.77	758.04	6,355.28
	MI-24	413	1,818.44	1,995.83	2,076.98	1,673.30	1,771.85	9,336.42
	MI-25	797	16,312.50	16,259.14	15,996.74	17,444.48	13,811.69	79,824.56
Jackson, Village	MI-18	142	237.27	264.46	268.28	207.79	219.26	1,197.06
	MI-20	710	484.35	824.68	471.11	342.85	322.61	2,445.60
	MI-21	846	2,187.40	2,298.51	2,351.02	2,347.53	1,807.17	10,991.62
	MI-22	241	496.09	560.21	572.89	453.63	494.72	2,577.55
Kewaskum, Village	MI-02	773	2,065.13	2,002.96	1,936.38	1,931.09	1,810.29	9,745.86
	MI-03	44	76.98	82.63	86.73	72.44	77.09	395.87
	MI-04	593	1,222.92	1,343.04	1,407.84	1,114.84	1,208.84	6,297.49
	MI-05	90	291.56	291.35	296.61	277.22	271.81	1,428.54
Mequon, City	MI-21	41	105.36	110.71	113.24	113.07	87.05	529.44
	MI-24	524	2,307.30	2,532.37	2,635.35	2,123.15	2,248.19	11,846.36
	MI-25	8,821	180,621.69	180,030.81	177,125.39	193,155.58	152,931.21	883,864.69
	MI-26	5,328	225,333.32	201,387.69	216,126.99	243,935.92	182,438.69	1,069,222.62
	MI-27	5,397	133,775.29	137,207.44	135,102.57	154,360.44	127,639.29	688,085.04
	MI-28	28	1,033.64	1,067.39	1,041.34	1,163.67	1,021.67	5,327.71

Table A.6 (MI) - Baseline MS4 Fecal Coliform Loads - FINAL

Municipality	Reach	Area (acres)	Monthly Fecal Coliform Load (billion cells/month)					Average Recreation Season Fecal Coliform Load (billion cells/season)
			May	Jun	Jul	Aug	Sep	
Milwaukee, City	MI-27	1,162	28,798.11	29,536.96	29,083.84	33,229.52	27,477.20	148,125.63
	MI-28	924	34,325.00	35,445.80	34,580.63	38,643.01	33,927.67	176,922.11
	MI-29	771	22,049.22	22,824.32	22,257.14	24,738.98	21,705.75	113,575.41
	MI-31	12,084	306,151.36	325,347.25	301,029.74	332,055.99	296,653.33	1,561,237.67
	MI-32	901	22,321.65	23,689.63	20,442.52	23,274.00	20,524.19	110,251.99
Port Washington, City	MI-16	92	135.10	137.77	111.40	128.62	107.38	620.27
	MI-25	105	2,155.77	2,148.72	2,114.04	2,305.37	1,825.28	10,549.18
Richfield, Village	MI-21	3,638	9,410.39	9,888.38	10,114.28	10,099.25	7,774.60	47,286.90
River Hills, Village	MI-27	2,044	50,671.90	51,971.95	51,174.66	58,469.22	48,347.69	260,635.42
	MI-29	30	849.40	879.26	857.41	953.02	836.17	4,375.27
	MI-30	660	10,396.15	10,587.71	10,625.14	11,442.42	9,930.84	52,982.27
Saukville, Village	MI-16	1,961	2,881.33	2,938.35	2,375.78	2,743.20	2,290.05	13,228.71
	MI-17	312	206.93	300.04	176.83	176.20	116.47	976.47
Shorewood, Village	MI-32	461	11,420.91	12,120.84	10,459.45	11,908.19	10,501.24	56,410.63
Slinger, Village	MI-18	64	107.49	119.81	121.53	94.13	99.33	542.29
	MI-19	4	14.31	15.82	16.58	13.26	14.41	74.38
	MI-21	710	1,835.64	1,928.88	1,972.94	1,970.01	1,516.55	9,224.01
Thiensville, Village	MI-25	196	4,022.86	4,009.70	3,944.99	4,302.02	3,406.13	19,685.71
	MI-26	417	17,652.66	15,776.75	16,931.43	19,109.99	14,292.29	83,763.13
	MI-27	67	1,668.58	1,711.39	1,685.13	1,925.33	1,592.04	8,582.47
West Bend, City	MI-02	12	32.35	31.38	30.33	30.25	28.36	152.67
	MI-06	8,433	236,144.08	258,657.80	270,582.44	227,416.28	232,129.13	1,224,929.72
	MI-07	816	2,274.08	2,248.35	2,140.03	2,088.01	1,964.03	10,714.50
	MI-13	3	7.33	6.77	6.33	6.88	6.15	33.46
	MI-23	90	36.88	47.34	40.61	31.17	32.98	188.99
West Bend, Town	MI-06	4,961	138,920.66	152,165.21	159,180.33	133,786.21	136,558.72	720,611.12
	MI-18	5,093	8,518.40	9,494.64	9,631.50	7,459.90	7,871.69	42,976.13
	MI-22	17	34.67	39.15	40.03	31.70	34.57	180.12
	MI-23	164	66.82	85.77	73.58	56.48	59.74	342.39
Whitefish Bay, Village	MI-27	68	1,682.15	1,725.31	1,698.84	1,941.00	1,604.99	8,652.28
	MI-32	414	10,249.09	10,877.21	9,386.28	10,686.37	9,423.78	50,622.74

Table A.7 (MI) - Baseline Point Source Flows and Loads - FINAL

Note: TP Load based on permitted or average measured TP concentration.

An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Month	Flow (MGD)	Flow (cfs)	TP Conc (mg/L)	TP Load (lbs/month)	TSS Conc (mg/L)	TSS Load (lbs/month)	Fecal Coliform Conc (cfu/100mL)	Fecal Coliform Load (billion cells/month)	Notes
Airsan Corp*	0044938	NCCW	001	MI-31	All	1.20E-05	1.86E-05	0.50	1.52E-03	0	0	0	0	Permit discontinued 10/21/2011.
Amcor Flexibles Inc	0044938	NCCW	002	MI-31	All	0.02	0.03	0.30	1.69	0	0	0	0	
Arkema Inc	0027731	Individual	001	MI-16	All	0.87	1.35	0	0	0	0	0	0	Water supply is from a groundwater source per WDNR. Background TP and TSS are present in effluent from source water. Point source is not contributing TP or TSS beyond that which is present in the water supply. For these reasons, no TP or TSS reductions are necessary to meet TMDL targets.
Badger Meter Inc	0033529	Individual	001	MI-28	All	0.23	0.35	0.35	20.02	0	0	0	0	Discharge contains NCCW, meter test water, and stormwater. Pond outfall to storm sewer to Beaver Creek. Background TSS is present in effluent from source water. Point source is not contributing TSS beyond that which is present in the water supply. For these reasons, no TSS reductions are necessary to meet TMDL targets.
Badger Meter Inc*	0033529	Individual	002	MI-28	All	--	--	--	--	--	--	--	--	WLAs will not be assigned. Outfall 002 abandoned per WDNR.
Brady USA Inc Coated Products Div	0044938	NCCW	001	MI-31	All	0.03	0.04	0.57	4.05	0	0	0	0	
Brewery Works Inc	0044938	NCCW	001	MI-32	All	5.90	9.13	0	0	0	0	0	0	Water supply is surface water per WDNR. Background TP is present in effluent from source water. Point source is not contributing TP beyond that which is present in the water supply. For these reasons, no TP reductions are necessary to meet TMDL targets.
C & D Technologies	0063258	Individual	006	MI-32	All	0.01	0.02	0.60	1.52	20	50.73	0	0	NCCW, boiler blowdown
Campbellsport Wastewater Treatment Facility	0020818	Individual	001	MI-01	All	0.47	0.73	1.00	119.23	10	1,192.26	400	2.16E+11	Baseline TP concentrations for all POTWs is set at 1 mg/L to reflect compliance with NR 217.
Cascade Wastewater Treatment Facility	0031372	Individual	001	MI-08	All	0.13	0.20	1.00	32.98	60	1,978.65	400	5.98E+10	Baseline TP concentrations for all POTWs is set at 1 mg/L to reflect compliance with NR 217.
Cedarburg Wastewater Treatment Facility	0020222	Individual	001	MI-24	All	3.07	4.75	1.00	778.78	15	11,681.63	400	1.41E+12	Baseline TP concentrations for all POTWs is set at 1 mg/L to reflect compliance with NR 217. Baseline flow set at Planned 2035 Flow per SEWRPC.
Charter Steel Div Of Charter Mfg Co	0044938	NCCW	002	MI-16	All	0.24	0.37	0.03	1.82	0	0	0	0	
Charter Steel Div Of Charter Mfg Co	0044938	NCCW	003	MI-16	All	0.03	0.04	0.04	0.27	0	0	0	0	
Charter Steel Div Of Charter Mfg Co	0044938	NCCW	005	MI-16	All	0.01	0.02	0.07	0.20	0	0	0	0	
Chicago Faucets	0044938	NCCW	001	MI-31	All	4.00E-03	0.01	0.56	0.57	0	0	0	0	
Compass Properties	0044938	NCCW	001	MI-32	All	0.18	0.27	0	0	0	0	0	0	Water supply is surface water per WDNR. Background TP is present in the surface water intake. Point source is not contributing TP beyond that which is present in the water supply. For these reasons, no TP reductions are necessary to meet TMDL targets.
DRS Power & Control Technologies Inc	0062723	Individual	002	MI-31	All	0.03	0.05	0.58	4.76	0	0	0	0	HVAC cooling; Background TSS is present in the surface water intake. Point source is not contributing TSS beyond that which is present in the water supply. For these reasons, no TSS reductions are necessary to meet TMDL targets. Flow and baseline TP load for former Outfall 001 added to flow and baseline TP load for Outfall 002. Outfall 001 no longer active.

Table A.7 (MI) - Baseline Point Source Flows and Loads - FINAL

Note: TP Load based on permitted or average measured TP concentration.

An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Month	Flow (MGD)	Flow (cfs)	TP Conc (mg/L)	TP Load (lbs/month)	TSS Conc (mg/L)	TSS Load (lbs/month)	Fecal Coliform Conc (cfu/100mL)	Fecal Coliform Load (billion cells/month)	Notes
DRS Power & Control Technologies Inc	0062723	Individual	003	MI-31	All	1.00E-04	1.55E-04	1.80	0.05	20	0.51	0	0	Cooling tower blowdown
DRS Power & Control Technologies Inc	0062723	Individual	009	MI-31	All	0.05	0.07	2.30	28.01	0	0	0	0	Heat Exchanger; Background TSS is present in the surface water intake. Point source is not contributing TSS beyond that which is present in the water supply. For these reasons, no TSS reductions are necessary to meet TMDL targets.
Electron Beam Fusion Corp	0044938	NCCW	001	MI-31	All	3.00E-03	4.64E-03	0.78	0.59	0	0	0	0	
Franchise Mailing Systems*	0044938	NCCW	001	MI-32	All	1.00E-04	1.55E-04	0.52	0.01	0	0	0	0	Permit discontinued 2/20/2014.
Fred Usinger Inc	0044938	NCCW	001	MI-32	All	0.01	0.01	0.52	0.65	0	0	0	0	Phosphorus concentration represents average residual concentration of water supply per WDNR.
Fredonia Municipal Sewer and Water Utility	0020800	Individual	001	MI-15	All	0.60	0.93	1.00	152.20	30	4,566.11	400	2.76E+11	
Fromm Family Pet Food	0044938	NCCW	001	MI-26	All	0.01	0.01	0.10	0.20	0	0	0	0	
Grafton Village Water & Wastewater Utility	0020184	Individual	001	MI-17	All	2.50	3.87	1.00	634.18	30	19,025.45	400	1.15E+12	
Hellermann Tyton	0044938	NCCW	001	MI-31	All	5.00E-04	7.74E-04	0.52	0.07	0	0	0	0	WDNR Facility ID No. 50265. Phosphorus concentration represents average residual concentration of water supply per WDNR.
Hub Milwaukee Center Properties LLC	0044938	NCCW	001	MI-32	All	3.56	5.51	0	0	0	0	0	0	Water supply is surface water per WDNR. Background TP is present in the surface water intake. Point source is not contributing TP beyond that which is present in the water supply. For these reasons, no TP reductions are necessary
Hydrite Chemical Company	0044938	NCCW	001	MI-29	All	0.05	0.08	1.49	20.44	0	0	0	0	
Hydro Platers Inc	0044938	NCCW	001	MI-31	All	0.01	0.01	0.65	0.82	0	0	0	0	
Hydro Platers Inc	0044938	NCCW	002	MI-31	All	0.01	0.01	0.63	0.80	0	0	0	0	
Jackson (Village) Wastewater Treatment Plant	0021806	Individual	001	MI-21	All	1.69	2.61	1.00	428.71	12	5,144.48	400	7.78E+11	
Johnson Controls Inc	0000108	Individual	001	MI-31	March through November	4.00E-03	0.01	1.70	1.51	20	17.76	0	0	Cooling tower blowdown, operates March through November.
Kewaskum Village	0021733	Individual	001	MI-02	All	0.75	1.16	1.00	190.25	10 (May-Oct) 18 (Nov-Apr)	1,902.43 (May-Oct) 3,424.56 (Nov-Apr)	400	3.45E+11	
Kracor Inc	0044938	NCCW	001	MI-31	All	4.00E-04	6.19E-04	1.16	0.12	0	0	0	0	
Kracor Inc	0044938	NCCW	002	MI-31	All	8.00E-04	1.24E-03	1.16	0.24	0	0	0	0	
Krier Foods Inc Random Lake	0049204	Individual	001	MI-14	All	0.08	0.13	0.18	3.74	20	416.02	0	0	NCCW, reverse osmosis reject, cooling tower blowdown.
Lallemand Specialties Inc	0044938	NCCW	001	MI-31	All	0.02	0.03	0.68	3.43	0	0	0	0	
Mid City Foundry United Division*	0044938	NCCW	001	MI-17	All	0.01	0.02	0.24	0.67	0	0	0	0	Permit discontinued March 2015.
Milk Specialties Global Adell	0001236	Individual	001	MI-09	All	1.39	2.15	0.74	260.93	10	3,526.05	0	0	
Milwaukee Gear Co Inc	0044938	NCCW	001	MI-27	All	0.18	0.28	0.16	7.43	0	0	0	0	
Molecular Biology Resources Inc	0044938	NCCW	001	MI-31	All	0.01	0.02	0.63	2.24	0	0	0	0	
Newburg Village	0024911	Individual	001	MI-07	All	0.20	0.31	1.00	50.73	30	1,522.04	400	9.21E+10	Baseline TP concentrations for all POTWs is set at 1 mg/L to reflect compliance with NR 217. Baseline flow set at Planned 2035 Flow per SEWRPC.
Norstar Aluminium Molds Inc	0044938	NCCW	002	MI-24	All	1.00E-03	1.55E-03	0.35	0.09	0	0	0	0	Phosphorus concentration represents average residual concentration of water supply per WDNR (Cedarburg).

Table A.7 (MI) - Baseline Point Source Flows and Loads - FINAL

Note: TP Load based on permitted or average measured TP concentration.

An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Month	Flow (MGD)	Flow (cfs)	TP Conc (mg/L)	TP Load (lbs/month)	TSS Conc (mg/L)	TSS Load (lbs/month)	Fecal Coliform Conc (cfu/100mL)	Fecal Coliform Load (billion cells/month)	Notes
Norstar Aluminium Molds Inc	0044938	NCCW	003	MI-24	All	6.00E-04	9.28E-04	0.35	0.05	0	0	0	0	Phosphorus concentration represents average residual concentration of water supply per WDNR (Cedarburg).
Novozymes Bioag Inc	0044938	NCCW	001	MI-31	All	0.01	0.02	0.70	2.49	0	0	0	0	
Pentair Residential Filtration LLC	0044938	NCCW	002	MI-27	All	1.50E-03	2.32E-03	0.52	0.20	0	0	0	0	Phosphorus concentration represents average residual concentration of water supply per WDNR. Previous individual permit discontinued 6/30/2015 (that discharge is now covered by Hydrostatic Test Water General Permit.)
Pereles Bros	0044938	NCCW	001	MI-31	All	0.20	0.31	0.89	45.71	0	0	0	0	
Random Lake Village	0021415	Individual	001	MI-14	All	0.45	0.69	1.00	113.90	20	2,277.98	400	2.07E+11	
Regal Ware Inc	0044938	NCCW	001	MI-06	All	0.07	0.10	0.32	5.47	0	0	0	0	
Ritus Rubber Corporation	0044938	NCCW	001	MI-29	All	0.07	0.11	0.52	9.67	0	0	0	0	Phosphorus concentration represents average residual concentration of water supply per WDNR.
Riveredge Nature Center	0044938	NCCW	001	MI-07	All	0.01	0.02	0	0	0	0	0	0	Water supply is from a well source per WDNR.
Saukville Village Sewer Utility	0021555	Individual	001	MI-16	All	1.61	2.49	1.00	408.41	30	12,252.39	400	7.41E+11	
Schreiber Foods Inc - West Bend	0026751	Individual	001	MI-24	All	0.48	0.74	1.00	120.75	10 (May-Oct) 19 (Nov-Apr)	1,207.50 (May-Oct) 2,294.29 (Nov-Apr)	0	0	
Signicast LLC - Milwaukee	0044938	NCCW	002	MI-28	All	0.02	0.04	0.61	3.70	0	0	0	0	
Signicast LLC - Milwaukee	0044938	NCCW	003	MI-28	All	4.00E-03	0.01	0.58	0.59	0	0	0	0	
Solines, LLC	0044938	NCCW	007	MI-31	All	0.16	0.25	1.76	72.12	0	0	0	0	
Solines, LLC	0044938	NCCW	014	MI-31	All	2.00E-03	3.09E-03	0.65	0.33	0	0	0	0	
Stainless Foundry Engineering Inc	0044938	NCCW	002	MI-31	All	0.04	0.06	0.80	8.12	0	0	0	0	
Stainless Foundry Engineering Inc	0044938	NCCW	004	MI-31	All	0.11	0.17	0.59	16.62	0	0	0	0	
Super Steel LLC Calumet*	0044938	NCCW	001	MI-29	All	2.00E-03	3.09E-03	0.48	0.24	0	0	0	0	Permit discontinued June 2015.
Sysco Food Service Of Eastern Wisconsin	0063231	Individual	001	MI-18	April through October	2.00E-03	3.09E-03	0.37	0.19	20	10.15	0	0	Wastewater component is cooling tower blowdown (not a "pass-through" NCCW), operates April through October.
Treat All Metals Inc	0044938	NCCW	001	MI-27	All	0.05	0.07	0.17	2.02	0	0	0	0	
Universal Strap Inc	0044938	NCCW	001	MI-20	All	4.00E-04	6.19E-04	0	0	0	0	0	0	Facility is located in Jackson. The Village of Jackson will not be adding phosphorus to its water supply in the future per WDNR.
We Energies Milwaukee Heating Plant	0044938	NCCW	001	MI-32	All	2.00E-03	3.09E-03	0.14	0.07	0	0	0	0	
We Energies Milwaukee Heating Plant	0044938	NCCW	002	MI-32	All	2.00E-04	3.09E-04	0.07	3.30E-03	0	0	0	0	
We Energies Milwaukee Heating Plant	0044938	NCCW	004	MI-32	All	0.01	0.01	0.41	0.73	0	0	0	0	
We Energies Milwaukee Heating Plant	0044938	NCCW	006	MI-32	All	0.01	0.01	0.09	0.14	0	0	0	0	
West Bend City	0025763	Individual	001	MI-06	All	9.00	13.92	1.00	2,283.05	10	22,830.54	400	4.14E+12	
WI DNR Kettle Moraine Springs Fish Hatchery	0026255	Individual	001	MI-11	All	1.20	1.86	0.06	18.26	10	3,044.07	0	0	
Wisconsin Thermoset Molding Inc	0042218	Individual	005	MI-32	All	2.00E-04	3.09E-04	1.65	0.08	20	1.01	0	0	Cooling tower blowdown

Table A.8 (MI) - Baseline 4th Lowest Flow Used for Calculation of Allowable Total Phosphorus and Total Suspended Solids Loads - FINAL

Reach Waterbody Name and Extents	4th Lowest Flow (cfs)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
MI-1 Upper Milwaukee River From Campbellsport to Headwaters	16.16	20.09	34.89	37.36	32.01	19.65	13.10	9.31	10.91	12.97	15.39	13.39
MI-2 Upper Milwaukee River From Kewaskum to Campbellsport and Auburn	44.14	55.01	94.83	101.04	87.95	51.46	35.65	25.33	33.22	35.50	43.34	38.89
MI-3 West Branch Milwaukee River Entire Length	15.02	19.04	34.13	36.53	32.00	17.49	11.97	7.80	10.97	12.64	15.27	13.27
MI-4 Kewaskum Creek Entire Length	2.84	3.70	6.85	7.51	6.65	3.70	2.76	1.79	2.28	2.87	3.20	2.78
MI-5 Watercress Creek and East Branch Milwaukee River Entire Length	15.14	18.78	28.10	33.37	23.48	13.94	9.76	6.49	9.35	9.21	12.95	13.90
MI-6 Quaas Creek and Milwaukee River Near West Bend	84.90	103.03	161.33	172.86	151.84	102.25	76.80	60.29	70.93	71.23	83.00	78.20
MI-7 Myra Creek and Milwaukee River From North Branch Milwaukee River to West Bend	93.54	113.66	178.43	191.58	168.82	112.73	84.43	65.83	78.47	77.96	91.68	86.81
MI-8 North Branch Milwaukee River From Adell Tributary to Headwaters	3.07	3.63	5.13	6.26	4.52	2.42	1.80	1.27	1.56	1.54	2.87	2.99
MI-9 Adell Tributary Entire Length	4.36	4.84	5.77	6.57	5.31	4.12	3.54	3.15	3.23	3.23	4.14	4.19
MI-10 Chambers Creek, Batavia Creek, and North Branch Milwaukee River Near Sherman	19.55	22.75	29.72	35.98	26.77	17.26	13.75	10.71	11.67	11.85	18.29	19.04
MI-11 Melius Creek Entire Length	3.64	4.02	4.74	5.37	4.36	3.40	2.91	2.61	2.67	2.71	3.44	3.49
MI-12 Mink Creek Entire Length	5.69	6.78	9.81	12.21	8.77	4.37	3.08	1.73	2.55	2.58	5.33	5.63
MI-13 Stony Creek, Wallace Creek, and North Branch Milwaukee River Near Farmington	48.15	57.09	80.01	96.27	74.13	42.16	32.73	23.59	28.32	27.82	45.45	47.22
MI-14 Silver Creek Entire Length	6.53	7.72	10.89	13.08	9.68	5.64	4.60	3.46	4.21	3.84	6.45	6.44
MI-15 Milwaukee River Near Fredonia	149.99	181.09	274.56	301.33	260.84	163.99	124.91	95.86	117.43	113.45	145.59	141.81
MI-16 Milwaukee River Near Saukville	161.49	194.11	289.16	317.60	272.73	176.38	135.49	105.43	126.66	121.35	156.38	151.97

Table A.8 (MI) - Baseline 4th Lowest Flow Used for Calculation of Allowable Total Phosphorus and Total Suspended Solids Loads - FINAL

Reach Waterbody Name and Extents	4th Lowest Flow (cfs)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
MI-17 Milwaukee River From Cedar Creek to Saukville	172.65	206.86	304.71	334.35	286.69	189.32	146.61	115.37	136.63	129.74	166.99	161.84
MI-18 Cedar Creek From Jackson Creek to Headwaters	5.68	6.70	12.78	14.45	13.75	9.25	7.09	5.69	6.40	6.74	6.55	5.66
MI-19 Lehner Creek Entire Length	0.28	0.37	0.68	0.74	0.61	0.34	0.26	0.17	0.21	0.27	0.30	0.27
MI-20 Jackson Creek Entire Length	0.47	0.67	1.26	1.42	1.05	0.64	0.71	0.41	0.48	0.63	0.61	0.48
MI-21 Little Cedar Creek Entire Length	21.70	25.62	41.78	46.08	40.01	26.11	22.32	20.57	24.22	20.23	23.50	20.58
MI-22 Cedar Creek Near Jackson	29.79	35.61	59.32	64.97	56.92	35.97	29.26	25.33	30.66	27.10	31.61	28.23
MI-23 Evergreen Creek Near Jackson	1.16	1.51	2.79	3.07	2.63	1.43	1.01	0.65	0.82	1.09	1.30	1.15
MI-24 North Branch Cedar Creek and Cedar Creek From Milwaukee River to Myra Creek	47.50	56.11	90.60	98.68	86.85	59.59	48.81	40.71	47.20	43.94	49.33	45.24
MI-25 Milwaukee River From Pigeon Creek to Cedar Creek	233.00	279.36	419.39	454.92	390.67	262.38	206.45	167.70	195.83	181.15	228.50	218.00
MI-26 Pigeon Creek Entire Length	4.46	5.75	9.64	10.59	7.88	4.29	3.26	4.19	4.82	3.47	4.80	3.67
MI-27 Milwaukee River From Lincoln Creek to Pigeon Creek	251.01	301.34	455.61	493.70	416.29	283.45	226.39	192.65	217.08	195.41	249.80	234.42
MI-28 Beaver Creek Entire Length	1.70	1.94	3.46	4.19	2.64	2.18	2.05	2.54	2.30	1.67	2.17	1.67
MI-29 South Branch Creek Entire Length	1.27	1.49	2.65	3.15	2.09	1.54	1.41	1.77	1.65	1.19	1.59	1.23
MI-30 Indian Creek Entire Length	1.05	1.32	2.34	2.74	2.01	1.18	0.93	1.33	1.29	0.89	1.29	0.98
MI-31 Lincoln Creek Entire Length	8.40	9.31	16.75	22.26	13.54	10.20	8.94	11.89	11.18	7.81	10.56	8.11
MI-32 Milwaukee River From Estuary to Lincoln Creek	262.03	313.67	477.22	519.55	433.55	298.48	240.03	210.45	232.57	205.07	264.49	244.74

Table A.9 (MI) - Baseline Incremental Flows Used for Calculation of Allowable Fecal Coliform Loads - FINAL

Note: Flows based on modeled flow data for the months of May through September.

Flow values represent flow contribution to total streamflow from individual TMDL reach subbasin.

Reach Waterbody Name and Extents	Flow Regime (cfs)				
	Low	Dry	Mid	Moist	High
MI-1 Upper Milwaukee River From Campbellsport to Headwaters	4.46	11.71	22.60	43.64	114.55
MI-2 Upper Milwaukee River From Kewaskum to Campbellsport and Auburn	3.06	6.91	12.02	20.93	47.22
MI-3 West Branch Milwaukee River Entire Length	3.77	10.62	21.52	43.61	122.94
MI-4 Kewaskum Creek Entire Length	0.83	2.33	4.74	9.62	27.20
MI-5 Watercress Creek and East Branch Milwaukee River Entire Length	3.25	8.67	16.93	33.06	88.26
MI-6 Quaas Creek and Milwaukee River Near West Bend	15.95	25.49	35.08	48.30	77.19
MI-7 Myra Creek and Milwaukee River From North Branch Milwaukee River to West Bend	2.71	6.68	12.34	22.82	56.22
MI-8 North Branch Milwaukee River From Adell Tributary to Headwaters	0.62	1.60	3.05	5.82	15.02
MI-9 Adell Tributary Entire Length	2.00	3.29	4.62	6.48	10.66
MI-10 Chambers Creek, Batavia Creek, and North Branch Milwaukee River Near Sherman	1.35	3.95	8.22	17.09	50.06
MI-11 Melius Creek Entire Length	1.69	2.72	3.78	5.24	8.47
MI-12 Mink Creek Entire Length	0.84	2.56	5.46	11.67	35.51
MI-13 Stony Creek, Wallace Creek, and North Branch Milwaukee River Near Farmington	3.22	8.97	18.02	36.23	100.93
MI-14 Silver Creek Entire Length	1.78	4.11	7.26	12.85	29.66
MI-15 Milwaukee River Near Fredonia	1.78	4.08	7.18	12.63	28.91
MI-16 Milwaukee River Near Saukville	4.85	8.55	12.59	18.53	32.69
MI-17 Milwaukee River From Cedar Creek to Saukville	5.10	9.17	13.68	20.41	36.71

Table A.9 (MI) - Baseline Incremental Flows Used for Calculation of Allowable Fecal Coliform Loads - FINAL

Note: Flows based on modeled flow data for the months of May through September.

Flow values represent flow contribution to total streamflow from individual TMDL reach subbasin.

Reach Waterbody Name and Extents	Flow Regime (cfs)				
	Low	Dry	Mid	Moist	High
MI-18 Cedar Creek From Jackson Creek to Headwaters	2.67	6.20	11.00	19.53	45.36
MI-19 Lehner Creek Entire Length	0.07	0.22	0.45	0.93	2.70
MI-20 Jackson Creek Entire Length	0.17	0.48	0.97	1.96	5.50
MI-21 Little Cedar Creek Entire Length	6.28	13.18	21.85	36.22	76.04
MI-22 Cedar Creek Near Jackson	1.57	4.63	9.67	20.21	59.60
MI-23 Evergreen Creek Near Jackson	0.29	0.86	1.79	3.71	10.84
MI-24 North Branch Cedar Creek and Cedar Creek From Milwaukee River to Myra Creek	8.19	16.40	26.34	42.28	84.70
MI-25 Milwaukee River From Pigeon Creek to Cedar Creek	3.46	8.11	14.50	25.91	60.74
MI-26 Pigeon Creek Entire Length	1.39	3.64	7.00	13.45	35.11
MI-27 Milwaukee River From Lincoln Creek to Pigeon Creek	3.49	7.65	13.06	22.32	48.96
MI-28 Beaver Creek Entire Length	1.04	2.00	3.12	4.88	9.41
MI-29 South Branch Creek Entire Length	0.71	1.42	2.28	3.66	7.33
MI-30 Indian Creek Entire Length	0.46	1.05	1.86	3.28	7.56
MI-31 Lincoln Creek Entire Length	4.50	9.26	15.14	24.75	50.93
MI-32 Milwaukee River From Estuary to Lincoln Creek	0.70	1.63	2.90	5.16	11.99

Table A.10 (MI) - Daily Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TP Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-1 Upper Milwaukee River From Campbellsport to Headwaters	Total Loading Capacity	6.54	8.13	14.12	15.12	12.95	7.95	5.30	3.77	4.42	5.25	6.23	5.42	2,894.12	
	Reserve Capacity	0.29	0.35	0.37	0.51	0.61	0.36	0.25	0.18	0.21	0.25	0.29	0.25	118.74	
	Load Allocation	4.21	5.97	11.79	12.08	8.95	4.94	3.02	2.04	2.35	3.02	3.70	3.33	1,988.72	
	Background	0.61	0.93	6.16	4.53	0.63	0.44	0.04	0.03	0.04	0.08	0.21	0.24	423.70	
	Agricultural	2.08	3.22	3.52	4.37	4.62	2.03	1.19	0.53	0.62	0.84	1.25	1.47	782.89	
	Non-Permitted Urban	1.52	1.81	2.11	3.18	3.70	2.47	1.79	1.48	1.70	2.10	2.24	1.62	782.13	
	Wasteload Allocation	2.04	1.81	1.96	2.53	3.39	2.65	2.03	1.55	1.86	1.98	2.24	1.84	786.67	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.15	0.12	0.52	0.45	0.18	0.34	0.26	0.16	0.25	0.26	0.26	0.26	0.20	95.68
	MS4 Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MI-2 Upper Milwaukee River From Kewaskum to Campbellsport and Auburn	Total Loading Capacity	4.10	4.93	7.67	7.95	7.00	4.30	3.16	2.60	3.66	2.84	3.84	3.83	1,698.92	
	Reserve Capacity	0.18	0.21	0.26	0.09	0.30	0.19	0.15	0.12	0.17	0.13	0.17	0.17	65.49	
	Load Allocation	1.84	2.62	4.95	6.78	3.88	2.04	1.33	0.99	1.37	1.13	1.55	1.67	916.92	
	Background	0.37	0.51	2.06	5.75	0.70	0.26	0.04	0.03	0.05	0.06	0.16	0.22	310.62	
	Agricultural	0.44	0.71	1.05	0.37	1.18	0.52	0.31	0.13	0.16	0.12	0.21	0.33	168.66	
	Non-Permitted Urban	1.03	1.39	1.84	0.66	2.00	1.26	0.97	0.83	1.17	0.95	1.18	1.12	437.64	
	Wasteload Allocation	2.07	2.10	2.46	1.07	2.81	2.07	1.69	1.49	2.12	1.58	2.11	1.98	716.52	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.18	0.16	0.35	0.35	0.22	0.19	0.19	0.17	0.20	0.15	0.23	0.17	78.60	
	MS4 Individual Permits	0.05	0.06	0.09	0.03	0.09	0.06	0.05	0.04	0.05	0.04	0.06	0.05	20.36	
MI-3 West Branch Milwaukee River Entire Length	Total Loading Capacity	6.08	7.70	13.82	14.79	12.95	7.08	4.84	3.16	4.44	5.12	6.18	5.37	2,782.32	
	Reserve Capacity	0.27	0.34	0.45	0.52	0.61	0.33	0.23	0.15	0.21	0.24	0.29	0.25	118.10	
	Load Allocation	5.64	7.13	12.84	13.82	12.14	6.57	4.35	2.83	3.97	4.62	5.62	4.91	2,567.38	
	Background	0.43	0.70	4.23	3.94	0.57	0.31	0.03	0.02	0.04	0.06	0.16	0.20	324.94	
	Agricultural	2.85	3.88	5.19	5.38	5.87	2.53	1.50	0.71	1.01	1.25	1.91	2.12	1,039.70	
	Non-Permitted Urban	2.36	2.55	3.42	4.50	5.71	3.73	2.82	2.09	2.92	3.31	3.55	2.60	1,202.74	
	Wasteload Allocation	0.17	0.23	0.52	0.44	0.20	0.18	0.26	0.18	0.26	0.26	0.27	0.21	96.84	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.16	0.23	0.51	0.44	0.19	0.17	0.26	0.18	0.26	0.25	0.27	0.21	95.33	
	MS4 Individual Permits	2.97E-03	3.20E-03	4.30E-03	5.65E-03	7.16E-03	4.68E-03	3.54E-03	2.63E-03	3.66E-03	4.15E-03	4.46E-03	3.26E-03	1.51	
MI-4 Kewaskum Creek Entire Length	Total Loading Capacity	1.15	1.50	2.77	3.04	2.69	1.50	1.12	0.73	0.92	1.16	1.29	1.13	577.65	
	Reserve Capacity	0.05	0.07	0.11	0.12	0.13	0.07	0.05	0.03	0.04	0.05	0.06	0.05	25.52	
	Load Allocation	1.02	1.31	2.44	2.69	2.40	1.29	0.94	0.61	0.76	0.97	1.10	0.96	501.66	
	Background	0.06	0.11	0.45	0.48	0.08	0.07	8.33E-03	6.39E-03	7.33E-03	0.01	0.03	0.04	41.48	
	Agricultural	0.45	0.61	1.03	1.01	1.05	0.44	0.29	0.13	0.17	0.23	0.32	0.35	185.38	
	Non-Permitted Urban	0.50	0.59	0.96	1.20	1.27	0.78	0.64	0.47	0.58	0.73	0.75	0.57	274.79	
	Wasteload Allocation	0.08	0.12	0.22	0.23	0.16	0.14	0.13	0.08	0.12	0.13	0.14	0.11	50.47	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.04	0.07	0.14	0.12	0.05	0.07	0.07	0.04	0.06	0.07	0.07	0.06	25.86	
	MS4 Individual Permits	0.04	0.05	0.09	0.11	0.11	0.07	0.06	0.04	0.05	0.07	0.07	0.05	24.62	

Table A.10 (MI) - Daily Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TP Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-5 Watercress Creek and East Branch Milwaukee River Entire Length	Total Loading Capacity	6.13	7.60	11.37	13.50	9.50	5.64	3.95	2.63	3.78	3.73	5.24	5.63	2,392.78	
	Reserve Capacity	0.25	0.32	0.27	0.08	0.43	0.24	0.18	0.12	0.17	0.17	0.23	0.24	81.85	
	Load Allocation	5.62	7.07	10.56	12.95	8.85	5.17	3.49	2.27	3.33	3.32	4.69	5.15	2,203.31	
	Background	Background	0.87	1.07	5.38	11.41	0.70	0.60	0.14	0.03	0.13	0.17	0.40	0.55	651.57
		Agricultural	1.39	1.98	1.79	0.51	2.57	1.11	0.66	0.29	0.38	0.38	0.72	1.07	390.57
		Non-Permitted Urban	3.36	4.02	3.39	1.03	5.58	3.45	2.69	1.95	2.83	2.77	3.58	3.53	1,161.17
	Wasteload Allocation	0.26	0.22	0.54	0.47	0.22	0.23	0.28	0.24	0.28	0.24	0.32	0.24	107.62	
	General Permits - NCCW	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
		General Permits - Other	0.25	0.21	0.53	0.47	0.21	0.22	0.27	0.23	0.27	0.23	0.31	0.23	104.29
		MS4	9.63E-03	0.01	9.72E-03	2.96E-03	0.02	9.91E-03	7.73E-03	5.60E-03	8.13E-03	7.96E-03	0.01	0.01	3.33
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-		
MI-6 Quaas Creek and Milwaukee River Near West Bend	Total Loading Capacity	10.37	11.84	15.54	15.56	16.35	14.92	12.71	11.52	11.48	10.74	10.81	10.28	4,624.55	
	Reserve Capacity	0.49	0.55	0.63	0.64	0.77	0.71	0.59	0.55	0.54	0.50	0.50	0.48	211.09	
	Load Allocation	1.32	1.87	3.53	3.70	2.89	2.49	1.69	1.46	1.37	1.37	1.38	1.26	739.46	
	Background	Background	0.22	0.37	1.45	1.46	0.31	0.31	0.03	0.02	0.03	0.06	0.11	0.12	136.59
		Agricultural	0.10	0.15	0.23	0.33	0.42	0.33	0.15	0.08	0.04	0.04	0.06	0.07	60.76
		Non-Permitted Urban	1.01	1.35	1.85	1.91	2.17	1.85	1.50	1.36	1.29	1.27	1.22	1.06	542.10
	Wasteload Allocation	8.56	9.42	11.38	11.22	12.69	11.71	10.43	9.51	9.57	8.87	8.93	8.55	3,673.99	
	General Permits - NCCW	General Permits - NCCW	0.01	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	5.64
		General Permits - Other	0.39	0.50	1.44	1.36	0.59	0.44	0.87	0.43	0.70	0.71	0.73	0.60	266.09
		MS4	1.95	2.62	3.58	3.71	4.20	3.58	2.92	2.63	2.51	2.46	2.36	2.06	1,051.30
Individual Permits	6.21	6.29	6.34	6.14	7.88	7.68	6.63	6.44	6.35	5.68	5.83	5.87	2,350.97		
MI-7 Myra Creek and Milwaukee River From North Branch Milwaukee River to West Bend	Total Loading Capacity	3.50	4.30	6.92	7.58	6.87	4.24	3.09	2.24	3.05	2.72	3.51	3.49	1,566.11	
	Reserve Capacity	0.15	0.18	0.23	0.21	0.31	0.18	0.14	0.10	0.14	0.12	0.16	0.16	63.13	
	Load Allocation	2.37	3.20	5.56	6.30	5.16	2.98	2.04	1.42	1.95	1.79	2.28	2.34	1,136.77	
	Background	Background	0.28	0.46	1.97	3.01	0.40	0.31	0.03	6.27E-03	0.04	0.04	0.13	0.17	208.02
		Agricultural	0.61	0.92	1.31	1.11	1.56	0.64	0.41	0.18	0.23	0.21	0.35	0.49	243.67
		Non-Permitted Urban	1.48	1.82	2.28	2.18	3.20	2.02	1.61	1.24	1.68	1.53	1.81	1.69	685.09
	Wasteload Allocation	0.98	0.92	1.14	1.07	1.40	1.08	0.91	0.72	0.96	0.81	1.08	0.99	366.20	
	General Permits - NCCW	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
		General Permits - Other	0.22	0.21	0.43	0.42	0.22	0.25	0.23	0.21	0.24	0.21	0.29	0.21	95.45
		MS4	0.06	0.08	0.10	0.10	0.14	0.09	0.07	0.05	0.07	0.07	0.08	0.07	29.92
Individual Permits	0.70	0.63	0.61	0.55	1.04	0.74	0.60	0.46	0.65	0.54	0.71	0.70	240.84		
MI-8 North Branch Milwaukee River From Adell Tributary to Headwaters	Total Loading Capacity	1.24	1.47	2.08	2.53	1.83	0.98	0.73	0.51	0.63	0.62	1.16	1.21	455.96	
	Reserve Capacity	0.06	0.07	0.09	0.08	0.09	0.05	0.03	0.02	0.03	0.03	0.05	0.06	20.01	
	Load Allocation	0.65	0.87	1.34	1.84	1.07	0.48	0.33	0.22	0.26	0.28	0.54	0.63	258.45	
	Background	Background	0.08	0.10	0.18	0.78	0.08	0.03	9.97E-03	5.16E-03	6.45E-03	9.97E-03	0.03	0.06	41.19
		Agricultural	0.23	0.34	0.54	0.46	0.42	0.14	0.09	0.04	0.04	0.04	0.11	0.19	80.04
		Non-Permitted Urban	0.34	0.44	0.61	0.61	0.57	0.31	0.23	0.18	0.21	0.23	0.39	0.39	137.22
	Wasteload Allocation	0.53	0.53	0.65	0.61	0.68	0.46	0.37	0.27	0.35	0.32	0.57	0.52	177.50	
	General Permits - NCCW	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
		General Permits - Other	0.03	0.04	0.07	0.07	0.03	0.04	0.03	0.02	0.04	0.03	0.04	0.02	14.60
		MS4	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	0.50	0.48	0.57	0.54	0.64	0.42	0.33	0.25	0.30	0.29	0.53	0.50	162.90		

Table A.10 (MI) - Daily Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TP Load (lbs/day)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MI-9 Adell Tributary Entire Length	Total Loading Capacity	1.76	1.96	2.33	2.66	2.15	1.67	1.43	1.28	1.31	1.31	1.67	1.69	645.30
	Reserve Capacity	0.08	0.09	0.11	0.10	0.10	0.08	0.07	0.06	0.06	0.06	0.08	0.08	30.00
	Load Allocation	0.25	0.37	0.56	1.03	0.43	0.22	0.17	0.10	0.10	0.12	0.17	0.23	114.33
	Background	0.05	0.08	0.17	0.67	0.06	0.01	5.18E-03	2.27E-03	2.82E-03	4.47E-03	0.02	0.04	34.02
	Agricultural	0.08	0.13	0.20	0.18	0.21	0.09	0.07	0.02	0.02	0.02	0.03	0.07	33.71
	Non-Permitted Urban	0.11	0.15	0.19	0.18	0.17	0.12	0.10	0.08	0.09	0.10	0.12	0.12	46.60
	Wasteload Allocation	1.43	1.50	1.67	1.53	1.62	1.37	1.19	1.11	1.14	1.13	1.42	1.38	500.96
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.03	0.03	0.06	0.06	0.03	0.03	0.02	0.01	0.03	0.02	0.03	0.02	11.18
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	1.40	1.48	1.61	1.47	1.58	1.34	1.17	1.10	1.11	1.10	1.39	1.37	489.78	
MI-10 Chambers Creek, Batavia Creek, and North Branch Milwaukee River Near Sherman	Total Loading Capacity	3.43	4.15	5.70	7.20	5.09	2.96	2.23	1.49	1.70	1.77	3.17	3.39	1,285.46
	Reserve Capacity	0.16	0.19	0.25	0.25	0.24	0.14	0.11	0.07	0.08	0.08	0.15	0.16	56.91
	Load Allocation	3.18	3.83	5.22	6.73	4.75	2.71	2.03	1.36	1.50	1.59	2.90	3.17	1,184.40
	Background	0.19	0.26	0.45	2.00	0.14	0.06	0.02	8.02E-03	0.01	0.02	0.08	0.14	103.15
	Agricultural	1.22	1.55	2.22	2.03	1.81	0.75	0.52	0.26	0.28	0.31	0.77	1.07	388.40
	Non-Permitted Urban	1.77	2.02	2.55	2.70	2.80	1.90	1.49	1.10	1.21	1.26	2.05	1.96	692.85
	Wasteload Allocation	0.10	0.13	0.23	0.22	0.10	0.11	0.10	0.05	0.13	0.10	0.13	0.06	44.15
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.10	0.13	0.23	0.22	0.10	0.11	0.10	0.05	0.13	0.10	0.13	0.06	44.15
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-11 Melius Creek Entire Length	Total Loading Capacity	1.47	1.63	1.92	2.18	1.76	1.38	1.18	1.06	1.08	1.10	1.39	1.41	533.60
	Reserve Capacity	0.07	0.08	0.09	0.08	0.08	0.07	0.06	0.05	0.05	0.05	0.07	0.07	24.95
	Load Allocation	0.74	0.94	1.21	1.50	1.00	0.66	0.52	0.44	0.44	0.48	0.62	0.70	281.45
	Background	0.05	0.06	0.14	0.48	0.06	0.02	7.64E-03	4.16E-03	4.99E-03	7.69E-03	0.02	0.04	27.28
	Agricultural	0.28	0.38	0.50	0.44	0.41	0.20	0.14	0.07	0.06	0.08	0.13	0.22	88.48
	Non-Permitted Urban	0.41	0.49	0.57	0.58	0.54	0.44	0.37	0.36	0.37	0.39	0.47	0.45	165.70
	Wasteload Allocation	0.67	0.61	0.62	0.59	0.68	0.65	0.60	0.57	0.59	0.57	0.70	0.64	227.20
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.02	0.02	0.04	0.04	0.02	0.02	0.02	8.81E-03	0.02	0.02	0.02	0.01	7.40
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	0.65	0.59	0.58	0.55	0.65	0.64	0.58	0.56	0.57	0.55	0.68	0.63	219.80	
MI-12 Mink Creek Entire Length	Total Loading Capacity	2.30	2.74	3.97	4.94	3.55	1.77	1.25	0.70	1.03	1.04	2.16	2.28	843.28
	Reserve Capacity	0.11	0.13	0.18	0.17	0.17	0.08	0.06	0.03	0.05	0.05	0.10	0.11	37.46
	Load Allocation	2.15	2.55	3.68	4.66	3.33	1.63	1.14	0.64	0.92	0.95	1.99	2.14	783.04
	Background	0.13	0.16	0.31	1.36	0.13	0.05	0.01	6.25E-03	0.01	0.02	0.06	0.10	71.38
	Agricultural	0.93	1.17	1.76	1.59	1.41	0.53	0.34	0.14	0.20	0.21	0.59	0.80	293.75
	Non-Permitted Urban	1.09	1.22	1.61	1.71	1.80	1.06	0.79	0.49	0.71	0.72	1.33	1.24	417.92
	Wasteload Allocation	0.05	0.07	0.12	0.11	0.05	0.05	0.05	0.03	0.07	0.05	0.07	0.03	22.78
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.05	0.07	0.12	0.11	0.05	0.05	0.05	0.03	0.07	0.05	0.07	0.03	22.78
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.10 (MI) - Daily Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TP Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-13 Stony Creek, Wallace Creek, and North Branch Milwaukee River Near Farmington	Total Loading Capacity	6.63	8.03	11.97	14.16	11.70	6.02	4.57	3.11	4.01	3.87	6.23	6.52	2,639.86	
	Reserve Capacity	0.30	0.36	0.50	0.42	0.51	0.28	0.21	0.14	0.18	0.18	0.29	0.30	111.74	
	Load Allocation	6.08	7.44	10.98	13.27	10.85	5.49	4.11	2.74	3.54	3.50	5.62	5.98	2,420.08	
	Background	0.46	0.62	1.41	5.27	1.09	0.21	0.06	0.02	0.05	0.06	0.20	0.32	297.15	
	Agricultural	2.11	2.80	4.27	3.37	3.77	1.51	0.93	0.43	0.51	0.56	1.25	1.74	706.80	
	Non-Permitted Urban	3.51	4.02	5.30	4.63	5.99	3.76	3.12	2.29	2.98	2.88	4.17	3.92	1,416.13	
	Wasteload Allocation	0.25	0.23	0.49	0.47	0.34	0.26	0.25	0.23	0.28	0.19	0.33	0.24	108.04	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.25	0.23	0.49	0.47	0.33	0.26	0.25	0.23	0.28	0.19	0.33	0.24	107.91	
	MS4	3.22E-04	3.68E-04	4.85E-04	4.24E-04	5.48E-04	3.45E-04	2.86E-04	2.10E-04	2.73E-04	2.64E-04	3.81E-04	3.59E-04	0.13	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-14 Silver Creek Entire Length	Total Loading Capacity	2.64	3.12	4.41	5.29	3.92	2.28	1.86	1.40	1.70	1.55	2.61	2.60	1,015.52	
	Reserve Capacity	0.11	0.13	0.17	0.15	0.17	0.10	0.08	0.06	0.07	0.07	0.11	0.11	40.98	
	Load Allocation	1.46	1.91	2.81	3.83	2.45	1.23	0.96	0.75	0.78	0.80	1.35	1.45	601.44	
	Background	0.14	0.18	0.38	1.64	0.12	0.03	0.01	5.62E-03	6.76E-03	0.01	0.05	0.10	81.51	
	Agricultural	0.23	0.33	0.54	0.44	0.52	0.17	0.12	0.04	0.03	0.04	0.10	0.18	83.51	
	Non-Permitted Urban	1.10	1.40	1.88	1.74	1.81	1.03	0.84	0.71	0.74	0.75	1.20	1.17	436.42	
	Wasteload Allocation	1.07	1.08	1.43	1.32	1.29	0.95	0.82	0.59	0.86	0.68	1.15	1.04	373.10	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.24	0.32	0.59	0.60	0.32	0.28	0.23	0.12	0.34	0.20	0.29	0.25	114.47	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	0.82	0.76	0.84	0.72	0.97	0.68	0.58	0.47	0.52	0.48	0.86	0.79	258.63		
MI-15 Milwaukee River Near Fredonia	Total Loading Capacity	3.36	4.18	6.52	5.46	7.24	3.68	3.14	2.61	4.30	3.10	3.42	3.15	1,524.82	
	Reserve Capacity	0.15	0.19	0.28	0.18	0.34	0.17	0.14	0.11	0.20	0.14	0.15	0.14	66.82	
	Load Allocation	1.71	2.46	4.00	3.64	4.37	1.89	1.57	1.17	2.05	1.57	1.65	1.62	841.68	
	Background	0.11	0.14	0.31	1.24	0.21	0.04	0.01	6.56E-03	7.75E-03	0.01	0.05	0.08	67.47	
	Agricultural	0.24	0.37	0.66	0.38	0.75	0.22	0.16	0.05	0.07	0.07	0.10	0.18	98.74	
	Non-Permitted Urban	1.36	1.94	3.03	2.02	3.40	1.64	1.39	1.11	1.97	1.49	1.50	1.36	675.48	
	Wasteload Allocation	1.50	1.54	2.25	1.64	2.54	1.62	1.43	1.33	2.05	1.39	1.61	1.39	616.31	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.25	0.24	0.61	0.62	0.30	0.28	0.23	0.40	0.34	0.19	0.28	0.25	120.87	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	1.25	1.30	1.64	1.02	2.23	1.34	1.20	0.93	1.71	1.20	1.33	1.14	495.45		
MI-16 Milwaukee River Near Saukville	Total Loading Capacity	4.66	5.27	5.91	6.58	4.82	5.02	4.28	3.88	3.74	3.20	4.37	4.11	1,697.17	
	Reserve Capacity	0.22	0.25	0.24	0.27	0.22	0.24	0.20	0.19	0.18	0.15	0.20	0.20	77.60	
	Load Allocation	1.24	1.73	2.63	3.00	1.78	1.34	1.06	0.80	0.72	0.65	0.97	1.03	514.57	
	Background	0.17	0.18	0.81	0.95	0.24	0.05	0.01	7.12E-03	5.08E-03	7.86E-03	0.07	0.06	77.95	
	Agricultural	0.39	0.63	0.87	0.93	0.71	0.37	0.27	0.10	0.08	0.08	0.16	0.29	148.54	
	Non-Permitted Urban	0.68	0.92	0.95	1.12	0.83	0.92	0.78	0.69	0.63	0.56	0.73	0.67	288.08	
	Wasteload Allocation	3.20	3.29	3.05	3.32	2.82	3.44	3.01	2.89	2.84	2.40	3.20	2.89	1,105.00	
	General Permits - NCCW	0.02	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.01	5.35	
	General Permits - Other	0.11	0.16	0.33	0.28	0.19	0.17	0.19	0.14	0.17	0.14	0.20	0.12	67.15	
	MS4	0.18	0.25	0.26	0.30	0.22	0.25	0.21	0.19	0.17	0.15	0.20	0.18	77.83	
Individual Permits	2.88	2.86	2.45	2.72	2.39	3.00	2.60	2.55	2.49	2.09	2.78	2.57	954.67		

Table A.10 (MI) - Daily Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TP Load (lbs/day)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MI-17 Milwaukee River From Cedar Creek to Saukville	Total Loading Capacity	4.52	5.16	6.29	6.78	5.65	5.24	4.50	4.02	4.03	3.40	4.30	3.99	1,759.48
	Reserve Capacity	0.21	0.24	0.24	0.26	0.27	0.25	0.22	0.20	0.20	0.17	0.20	0.19	80.27
	Load Allocation	0.66	0.87	2.05	2.38	1.06	0.81	0.55	0.36	0.32	0.29	0.47	0.45	311.68
	Background	0.27	0.28	1.30	1.51	0.13	0.10	0.02	0.02	0.02	0.02	0.13	0.10	118.27
	Agricultural	0.14	0.23	0.32	0.39	0.45	0.31	0.19	0.07	0.05	0.04	0.07	0.10	71.57
	Non-Permitted Urban	0.25	0.36	0.43	0.47	0.48	0.40	0.34	0.27	0.26	0.22	0.27	0.25	121.84
	Wasteload Allocation	3.65	4.05	4.01	4.15	4.32	4.18	3.73	3.46	3.51	2.95	3.63	3.35	1,367.53
	General Permits - NCCW	3.17E-03	3.32E-03	3.02E-03	3.08E-03	3.35E-03	3.35E-03	3.02E-03	2.92E-03	3.00E-03	2.51E-03	3.07E-03	2.87E-03	1.12
	General Permits - Other	0.08	0.09	0.18	0.16	0.07	0.10	0.10	0.08	0.08	0.06	0.11	0.07	35.77
	MS4	0.57	0.82	0.96	1.07	1.07	0.90	0.77	0.61	0.58	0.51	0.61	0.57	274.71
Individual Permits	3.00	3.14	2.86	2.91	3.17	3.17	2.86	2.76	2.85	2.38	2.91	2.72	1,055.94	
MI-18 Cedar Creek From Jackson Creek to Headwaters	Total Loading Capacity	2.19	2.56	4.90	5.55	5.32	3.61	2.76	2.24	2.50	2.62	2.53	2.18	1,184.35
	Reserve Capacity	0.10	0.11	0.19	0.22	0.25	0.16	0.13	0.10	0.11	0.12	0.11	0.10	51.46
	Load Allocation	1.27	1.46	2.98	3.34	3.14	1.98	1.44	1.15	1.26	1.31	1.30	1.16	663.03
	Background	0.12	0.18	0.76	0.74	0.19	0.16	0.02	0.02	0.02	0.04	0.07	0.07	72.64
	Agricultural	0.32	0.37	0.70	0.72	0.90	0.44	0.29	0.14	0.15	0.15	0.19	0.22	139.64
	Non-Permitted Urban	0.83	0.91	1.53	1.88	2.05	1.38	1.12	0.99	1.09	1.13	1.04	0.87	450.75
	Wasteload Allocation	0.82	0.99	1.73	1.99	1.93	1.47	1.20	0.98	1.13	1.19	1.12	0.93	469.87
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.11	0.21	0.42	0.37	0.16	0.28	0.23	0.12	0.19	0.21	0.22	0.18	82.51
	MS4	0.71	0.78	1.30	1.61	1.75	1.18	0.96	0.85	0.93	0.96	0.89	0.74	385.16
Individual Permits	-	-	4.25E-04	1.99E-03	0.02	0.01	0.01	9.42E-03	0.01	9.35E-03	5.82E-04	-	2.19	
MI-19 Lehner Creek Entire Length	Total Loading Capacity	0.11	0.15	0.27	0.30	0.25	0.14	0.11	0.07	0.09	0.11	0.12	0.11	55.28
	Reserve Capacity	5.00E-03	6.28E-03	9.65E-03	0.01	0.01	6.07E-03	4.84E-03	3.10E-03	3.82E-03	4.95E-03	5.40E-03	4.78E-03	2.31
	Load Allocation	0.10	0.13	0.25	0.27	0.23	0.12	0.09	0.06	0.07	0.10	0.11	0.10	49.43
	Background	8.23E-03	0.02	0.06	0.07	0.01	8.28E-03	8.22E-04	6.43E-04	6.46E-04	1.56E-03	3.77E-03	4.53E-03	5.65
	Agricultural	0.03	0.05	0.08	0.07	0.08	0.03	0.02	9.27E-03	0.01	0.02	0.02	0.03	13.54
	Non-Permitted Urban	0.06	0.07	0.11	0.13	0.14	0.08	0.07	0.05	0.06	0.08	0.08	0.06	30.24
	Wasteload Allocation	5.09E-03	8.74E-03	0.02	0.02	7.38E-03	9.33E-03	9.71E-03	5.59E-03	8.56E-03	9.32E-03	9.73E-03	7.94E-03	3.53
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	4.75E-03	8.34E-03	0.02	0.02	6.59E-03	8.86E-03	9.32E-03	5.31E-03	8.22E-03	8.88E-03	9.28E-03	7.57E-03	3.36
	MS4	3.38E-04	4.05E-04	6.08E-04	7.36E-04	7.91E-04	4.73E-04	3.95E-04	2.80E-04	3.43E-04	4.42E-04	4.53E-04	3.67E-04	0.17
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-20 Jackson Creek Entire Length	Total Loading Capacity	0.19	0.27	0.51	0.57	0.42	0.26	0.29	0.17	0.19	0.26	0.25	0.19	108.51
	Reserve Capacity	8.75E-03	0.01	0.02	0.03	0.02	0.01	0.01	7.81E-03	8.79E-03	0.01	0.01	8.74E-03	4.91
	Load Allocation	0.09	0.13	0.26	0.28	0.21	0.12	0.12	0.07	0.07	0.10	0.10	0.08	49.48
	Background	3.99E-03	7.18E-03	0.03	0.03	4.78E-03	3.73E-03	3.47E-04	2.03E-04	2.18E-04	7.24E-04	1.77E-03	2.16E-03	2.75
	Agricultural	0.03	0.05	0.09	0.09	0.08	0.03	0.03	0.01	0.01	0.01	0.02	0.02	14.58
	Non-Permitted Urban	0.06	0.08	0.13	0.16	0.12	0.08	0.09	0.06	0.06	0.09	0.08	0.06	32.16
	Wasteload Allocation	0.09	0.13	0.23	0.27	0.20	0.13	0.15	0.09	0.11	0.14	0.13	0.10	54.12
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.01	0.02	0.04	0.04	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	7.52
	MS4	0.08	0.11	0.19	0.23	0.18	0.11	0.13	0.08	0.09	0.12	0.11	0.09	46.60
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.10 (MI) - Daily Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TP Load (lbs/day)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MI-21 Little Cedar Creek Entire Length	Total Loading Capacity	6.29	7.39	11.23	12.23	10.21	6.56	5.88	5.85	7.02	5.21	6.61	5.85	2,745.83
	Reserve Capacity	0.29	0.34	0.32	0.30	0.48	0.31	0.28	0.28	0.34	0.25	0.31	0.28	115.14
	Load Allocation	2.08	3.20	7.53	8.77	4.58	2.43	2.03	1.70	1.77	1.29	1.78	1.78	1,183.33
	Background	0.23	0.39	4.45	5.78	0.36	0.13	0.04	0.05	0.03	0.03	0.10	0.11	356.09
	Agricultural	1.04	1.85	2.17	2.06	2.75	1.31	1.03	0.64	0.53	0.37	0.64	0.80	461.74
	Non-Permitted Urban	0.81	0.96	0.92	0.93	1.47	0.99	0.96	1.01	1.21	0.89	1.04	0.87	365.50
	Wasteload Allocation	3.92	3.85	3.38	3.16	5.15	3.82	3.57	3.87	4.91	3.67	4.52	3.79	1,447.36
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.18	0.19	0.48	0.41	0.23	0.20	0.23	0.20	0.20	0.17	0.22	0.16	87.04
	MS4	0.66	0.78	0.75	0.76	1.20	0.81	0.78	0.82	0.99	0.72	0.85	0.71	298.74
Individual Permits	3.09	2.88	2.15	1.99	3.72	2.81	2.56	2.85	3.73	2.78	3.44	2.92	1,061.59	
MI-22 Cedar Creek Near Jackson	Total Loading Capacity	2.81	3.43	5.97	6.40	5.78	3.41	2.40	1.66	2.28	2.34	2.76	2.63	1,272.96
	Reserve Capacity	0.13	0.14	0.19	0.21	0.27	0.16	0.11	0.08	0.11	0.11	0.13	0.12	53.62
	Load Allocation	2.37	2.91	5.18	5.53	4.86	2.74	1.87	1.29	1.75	1.80	2.17	2.13	1,051.99
	Background	0.20	0.42	1.84	1.89	0.27	0.15	0.01	9.09E-03	8.41E-03	0.03	0.08	0.11	152.45
	Agricultural	1.09	1.34	1.83	1.76	2.17	0.97	0.61	0.30	0.42	0.45	0.67	0.82	377.75
	Non-Permitted Urban	1.08	1.14	1.51	1.88	2.43	1.63	1.25	0.98	1.32	1.33	1.42	1.20	521.79
	Wasteload Allocation	0.31	0.38	0.59	0.66	0.65	0.51	0.41	0.30	0.42	0.43	0.45	0.38	167.35
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.07	0.12	0.25	0.23	0.09	0.14	0.13	0.08	0.12	0.13	0.13	0.11	48.19
	MS4	0.25	0.26	0.34	0.43	0.55	0.37	0.29	0.22	0.30	0.30	0.32	0.27	119.17
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-23 Evergreen Creek Near Jackson	Total Loading Capacity	0.47	0.61	1.13	1.24	1.06	0.58	0.41	0.26	0.33	0.44	0.52	0.47	228.93
	Reserve Capacity	0.02	0.03	0.05	0.05	0.05	0.03	0.02	0.01	0.02	0.02	0.02	0.02	10.37
	Load Allocation	0.42	0.55	1.01	1.11	0.96	0.51	0.35	0.22	0.28	0.38	0.45	0.41	201.87
	Background	0.02	0.04	0.15	0.16	0.03	0.02	2.21E-03	1.70E-03	2.45E-03	4.12E-03	9.39E-03	0.01	13.46
	Agricultural	0.24	0.32	0.54	0.54	0.51	0.22	0.14	0.06	0.08	0.12	0.18	0.20	95.39
	Non-Permitted Urban	0.16	0.19	0.32	0.42	0.42	0.27	0.21	0.16	0.19	0.25	0.27	0.20	93.02
	Wasteload Allocation	0.03	0.04	0.07	0.08	0.05	0.05	0.04	0.03	0.04	0.04	0.05	0.04	16.70
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.01	0.02	0.04	0.04	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	8.04
	MS4	0.02	0.02	0.03	0.04	0.04	0.03	0.02	0.01	0.02	0.02	0.02	0.02	8.66
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-24 North Branch Cedar Creek and Cedar Creek From Milwaukee River to Myra Creek	Total Loading Capacity	7.17	8.30	12.66	13.64	12.11	9.56	7.91	6.23	6.69	6.81	7.17	6.89	3,196.44
	Reserve Capacity	0.33	0.38	0.44	0.48	0.57	0.44	0.38	0.30	0.32	0.32	0.34	0.32	140.58
	Load Allocation	1.52	2.21	5.62	6.22	3.49	2.27	1.55	1.00	1.03	1.15	1.31	1.30	871.43
	Background	0.36	0.54	3.24	3.61	0.47	0.31	0.03	0.02	0.03	0.06	0.16	0.20	274.35
	Agricultural	0.42	0.67	1.03	1.14	1.36	0.74	0.48	0.19	0.17	0.18	0.24	0.31	210.89
	Non-Permitted Urban	0.74	1.00	1.35	1.47	1.66	1.22	1.04	0.79	0.83	0.91	0.91	0.79	386.19
	Wasteload Allocation	5.32	5.71	6.60	6.94	8.05	6.85	5.99	4.92	5.35	5.34	5.53	5.26	2,184.43
	General Permits - NCCW	6.81E-04	6.94E-04	7.12E-04	7.55E-04	9.43E-04	7.98E-04	7.11E-04	6.09E-04	6.51E-04	6.35E-04	6.63E-04	6.49E-04	0.26
	General Permits - Other	0.15	0.19	0.58	0.52	0.22	0.41	0.31	0.17	0.27	0.28	0.30	0.25	110.46
	MS4	0.79	1.07	1.44	1.57	1.78	1.31	1.11	0.85	0.89	0.98	0.97	0.85	413.80
Individual Permits	4.37	4.46	4.58	4.85	6.06	5.13	4.57	3.91	4.18	4.08	4.26	4.17	1,659.92	

Table A.10 (MI) - Daily Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TP Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-25 Milwaukee River From Pigeon Creek to Cedar Creek	Total Loading Capacity	23.36	29.08	42.69	44.06	38.39	23.41	17.21	14.80	18.56	15.66	20.59	20.80	9,381.60	
	Reserve Capacity	1.15	1.43	2.07	2.07	1.90	1.17	0.86	0.74	0.93	0.78	1.02	1.03	460.65	
	Load Allocation	1.73	2.49	4.83	6.05	3.34	0.89	0.53	0.25	0.28	0.24	0.59	1.19	681.22	
	Background	0.31	0.40	1.20	2.70	0.43	0.11	0.03	0.05	0.02	0.02	0.12	0.13	168.08	
	Agricultural	1.41	2.06	3.60	3.32	2.88	0.76	0.48	0.19	0.24	0.21	0.45	1.04	506.17	
	Non-Permitted Urban	0.02	0.02	0.03	0.03	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.02	6.97	
	Wasteload Allocation	20.48	25.16	35.78	35.95	33.15	21.36	15.82	13.81	17.35	14.63	18.97	18.58	8,239.73	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	7.71E-04	8.75E-04	2.40E-03	2.09E-03	1.15E-03	1.17E-03	1.15E-03	1.37E-03	1.19E-03	6.19E-04	1.15E-03	7.93E-04	0.45	
	MS4	20.48	25.16	35.78	35.95	33.15	21.36	15.82	13.81	17.35	14.63	18.97	18.58	8,239.28	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-26 Pigeon Creek Entire Length	Total Loading Capacity	1.80	2.33	3.90	4.28	3.19	1.73	1.32	1.70	1.95	1.40	1.94	1.48	821.94	
	Reserve Capacity	0.09	0.11	0.14	0.12	0.15	0.08	0.07	0.08	0.10	0.07	0.09	0.07	35.50	
	Load Allocation	0.18	0.39	1.49	2.29	0.53	0.21	0.11	0.09	0.06	0.05	0.11	0.13	171.79	
	Background	0.07	0.15	1.09	1.96	0.17	0.07	0.01	0.02	0.02	0.02	0.05	0.05	111.88	
	Agricultural	0.12	0.24	0.40	0.33	0.36	0.14	0.10	0.07	0.04	0.03	0.06	0.08	59.91	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	1.53	1.83	2.27	1.88	2.50	1.44	1.14	1.52	1.79	1.29	1.74	1.28	614.65	
	General Permits - NCCW	1.21E-03	1.09E-03	1.00E-03	6.71E-04	1.17E-03	7.97E-04	6.10E-04	8.03E-04	1.02E-03	7.62E-04	1.20E-03	9.13E-04	0.34	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MS4	1.53	1.83	2.27	1.88	2.50	1.44	1.14	1.52	1.79	1.29	1.73	1.28	614.31	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-		
MI-27 Milwaukee River From Lincoln Creek to Pigeon Creek	Total Loading Capacity	17.34	20.37	32.13	36.46	24.64	20.69	19.18	19.27	17.29	14.75	19.36	16.91	7,855.00	
	Reserve Capacity	0.86	1.01	1.58	1.76	1.23	1.03	0.96	0.96	0.86	0.74	0.97	0.84	389.19	
	Load Allocation	0.15	0.30	0.96	1.57	0.33	0.20	0.13	0.09	0.04	0.03	0.08	0.11	121.60	
	Background	0.06	0.13	0.63	1.22	0.12	0.06	8.99E-03	0.02	0.01	0.01	0.04	0.04	71.16	
	Agricultural	0.09	0.18	0.33	0.36	0.22	0.14	0.12	0.07	0.02	0.02	0.04	0.07	50.45	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	16.32	19.06	29.59	33.12	23.08	19.45	18.09	18.22	16.39	13.98	18.32	15.95	7,344.21	
	General Permits - NCCW	0.77	0.80	0.40	0.25	0.28	0.29	0.24	0.20	0.30	0.28	0.43	0.65	148.57	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MS4	15.55	18.26	29.19	32.87	22.80	19.16	17.85	18.03	16.09	13.70	17.89	15.30	7,195.64	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-		
MI-28 Beaver Creek Entire Length	Total Loading Capacity	0.69	0.79	1.40	1.70	1.07	0.88	0.83	1.03	0.93	0.68	0.88	0.67	350.87	
	Reserve Capacity	0.03	0.04	0.07	0.08	0.05	0.04	0.04	0.05	0.05	0.03	0.04	0.03	17.43	
	Load Allocation	3.07E-03	4.69E-03	0.02	0.04	4.53E-03	1.11E-03	1.08E-03	1.18E-03	7.41E-04	7.33E-04	1.77E-03	1.85E-03	2.30	
	Background	3.07E-03	4.69E-03	0.02	0.04	4.52E-03	1.11E-03	1.08E-03	1.18E-03	7.40E-04	7.32E-04	1.77E-03	1.85E-03	2.30	
	Agricultural	1.52E-06	3.37E-06	8.98E-06	1.03E-05	6.13E-06	2.93E-06	2.44E-06	1.04E-06	6.28E-07	5.26E-07	9.10E-07	1.09E-06	1.21E-03	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	0.65	0.74	1.31	1.58	1.01	0.84	0.79	0.97	0.88	0.64	0.83	0.64	331.14	
	General Permits - NCCW	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.01	6.27	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MS4	0.55	0.64	1.20	1.48	0.91	0.74	0.70	0.89	0.78	0.57	0.72	0.55	295.59	
Individual Permits	0.09	0.08	0.09	0.08	0.08	0.08	0.07	0.07	0.08	0.06	0.09	0.07	29.29		

Table A.10 (MI) - Daily Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TP Load (lbs/day)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MI-29 South Branch Creek Entire Length	Total Loading Capacity	0.52	0.60	1.07	1.28	0.84	0.62	0.57	0.72	0.67	0.48	0.64	0.50	258.65
	Reserve Capacity	0.03	0.03	0.05	0.06	0.04	0.03	0.03	0.04	0.03	0.02	0.03	0.02	12.83
	Load Allocation	2.48E-03	4.06E-03	0.02	0.03	3.85E-03	8.76E-04	8.77E-04	9.58E-04	5.80E-04	5.87E-04	1.46E-03	1.54E-03	2.03
	Background	2.48E-03	4.06E-03	0.02	0.03	3.85E-03	8.76E-04	8.77E-04	9.58E-04	5.80E-04	5.87E-04	1.46E-03	1.54E-03	2.03
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	0.49	0.57	1.00	1.18	0.80	0.59	0.54	0.68	0.63	0.46	0.61	0.47	243.78
	General Permits - NCCW	0.11	0.11	0.14	0.13	0.12	0.11	0.09	0.10	0.11	0.09	0.12	0.10	40.80
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	0.37	0.46	0.86	1.05	0.68	0.48	0.45	0.58	0.52	0.37	0.48	0.38	202.98
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-30 Indian Creek Entire Length	Total Loading Capacity	0.42	0.53	0.95	1.11	0.81	0.48	0.37	0.54	0.52	0.36	0.52	0.40	213.12
	Reserve Capacity	0.02	0.03	0.04	0.05	0.04	0.02	0.02	0.03	0.03	0.02	0.03	0.02	10.36
	Load Allocation	5.40E-03	0.01	0.05	0.09	0.01	2.38E-03	1.21E-03	1.74E-03	1.74E-03	1.86E-03	4.50E-03	4.80E-03	5.84
	Background	5.40E-03	0.01	0.05	0.09	0.01	2.38E-03	1.21E-03	1.74E-03	1.74E-03	1.86E-03	4.50E-03	4.80E-03	5.84
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	0.40	0.49	0.85	0.96	0.76	0.45	0.35	0.51	0.50	0.34	0.49	0.37	196.92
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	0.40	0.49	0.85	0.96	0.76	0.45	0.35	0.51	0.50	0.34	0.49	0.37	196.92
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-31 Lincoln Creek Entire Length	Total Loading Capacity	3.40	3.77	6.78	9.01	5.48	4.13	3.62	4.81	4.52	3.16	4.27	3.28	1,709.63
	Reserve Capacity	0.17	0.19	0.33	0.43	0.27	0.21	0.18	0.24	0.23	0.16	0.21	0.16	84.62
	Load Allocation	0.02	0.03	0.12	0.33	0.03	4.19E-03	3.49E-03	6.20E-03	3.69E-03	3.49E-03	9.45E-03	0.01	17.18
	Background	0.02	0.03	0.12	0.33	0.03	4.17E-03	3.47E-03	6.19E-03	3.69E-03	3.48E-03	9.45E-03	0.01	17.17
	Agricultural	1.00E-05	1.84E-05	4.74E-05	6.44E-05	3.65E-05	1.62E-05	1.10E-05	6.93E-06	6.52E-06	4.19E-06	7.20E-06	7.39E-06	7.18E-03
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	3.21	3.55	6.32	8.25	5.18	3.92	3.43	4.56	4.30	3.00	4.05	3.11	1,607.83
	General Permits - NCCW	0.69	0.63	0.82	0.92	0.75	0.68	0.55	0.69	0.74	0.52	0.76	0.57	252.77
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	2.39	2.79	5.33	7.13	4.27	3.09	2.77	3.73	3.40	2.37	3.13	2.42	1,301.52
Individual Permits	0.14	0.13	0.17	0.20	0.16	0.15	0.12	0.15	0.16	0.11	0.16	0.12	53.54	
MI-32 Milwaukee River From Estuary to Lincoln Creek	Total Loading Capacity	4.77	5.36	8.63	7.22	8.36	8.39	7.34	7.54	6.66	3.88	6.98	4.22	2,411.94
	Reserve Capacity	0.24	0.27	0.43	0.36	0.42	0.42	0.37	0.38	0.33	0.19	0.35	0.21	120.43
	Load Allocation	5.40E-03	8.69E-03	0.02	0.07	0.01	7.27E-03	3.73E-03	2.86E-03	1.58E-03	1.38E-03	3.25E-03	3.42E-03	4.48
	Background	3.68E-03	5.00E-03	0.02	0.07	7.74E-03	3.00E-03	3.98E-04	1.20E-03	8.12E-04	8.82E-04	2.12E-03	2.39E-03	3.31
	Agricultural	1.72E-03	3.69E-03	8.10E-03	6.20E-03	6.16E-03	4.27E-03	3.33E-03	1.67E-03	7.67E-04	4.95E-04	1.13E-03	1.03E-03	1.17
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	4.52	5.08	8.17	6.79	7.92	7.96	6.97	7.16	6.33	3.68	6.63	4.01	2,287.03
	General Permits - NCCW	0.20	0.19	0.18	0.07	0.21	0.26	0.23	0.13	0.17	0.09	0.18	0.12	61.62
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	4.13	4.70	7.82	6.65	7.49	7.44	6.52	6.90	5.99	3.50	6.26	3.77	2,163.83
Individual Permits	0.20	0.19	0.17	0.07	0.21	0.26	0.23	0.13	0.17	0.09	0.18	0.12	61.57	

Table A.11 (MI) - Monthly Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-1 Upper Milwaukee River From Campbellsport to Headwaters	Total Loading Capacity	198.79	247.14	429.29	459.68	393.82	241.78	161.16	114.59	134.29	159.54	189.34	164.70	2,894.12	
	Reserve Capacity	8.78	10.76	11.31	15.41	18.46	10.91	7.60	5.45	6.27	7.46	8.75	7.57	118.74	
	Load Allocation	128.05	181.47	358.43	367.27	272.17	150.24	91.90	62.11	71.58	91.92	112.50	101.10	1,988.72	
	Background	18.51	28.34	187.23	137.83	19.05	13.34	1.16	0.91	1.25	2.41	6.47	7.21	423.70	
	Agricultural	63.32	98.00	107.10	132.76	140.51	61.78	36.26	16.12	18.76	25.58	38.01	44.69	782.89	
	Non-Permitted Urban	46.22	55.12	64.10	96.68	112.62	75.12	54.48	45.08	51.57	63.93	68.02	49.20	782.13	
	Wasteload Allocation	61.96	54.91	59.55	77.00	103.18	80.64	61.66	47.03	56.44	60.16	68.09	56.03	786.67	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	4.67	3.65	15.83	13.60	5.54	10.33	8.04	4.75	7.60	7.85	7.81	5.99	95.68	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	57.29	51.26	43.72	63.40	97.64	70.30	53.62	42.28	48.84	52.31	60.28	50.03	690.98		
MI-2 Upper Milwaukee River From Kewaskum to Campbellsport and Auburn	Total Loading Capacity	124.52	149.95	233.18	241.60	212.85	130.71	96.20	79.07	111.39	86.41	116.67	116.37	1,698.92	
	Reserve Capacity	5.38	6.47	8.00	2.79	9.24	5.86	4.45	3.65	5.19	4.00	5.25	5.21	65.49	
	Load Allocation	56.06	79.67	150.39	206.20	118.03	61.98	40.35	30.01	41.77	34.36	47.20	50.90	916.92	
	Background	11.31	15.65	62.52	174.94	21.33	7.89	1.27	0.90	1.46	1.77	4.74	6.83	310.62	
	Agricultural	13.36	21.64	31.98	11.20	35.94	15.86	9.48	4.01	4.78	3.79	6.49	10.13	168.66	
	Non-Permitted Urban	31.39	42.38	55.90	20.06	60.77	38.23	29.59	25.10	35.52	28.79	35.97	33.94	437.64	
	Wasteload Allocation	63.08	63.81	74.79	32.60	85.57	62.87	51.41	45.42	64.43	48.06	64.22	60.26	716.52	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	5.61	4.94	10.76	10.79	6.72	5.64	5.91	5.22	6.10	4.67	7.00	5.24	78.60	
	MS4	1.46	1.97	2.60	0.93	2.83	1.78	1.38	1.17	1.65	1.34	1.67	1.58	20.36	
Individual Permits	56.00	56.90	61.43	20.88	76.02	55.45	44.12	39.03	56.68	42.05	55.54	53.44	617.56		
MI-3 West Branch Milwaukee River Entire Length	Total Loading Capacity	184.85	234.22	419.98	449.48	393.73	215.18	147.25	95.96	134.97	155.55	187.88	163.28	2,782.32	
	Reserve Capacity	8.34	10.29	13.79	15.82	18.53	10.03	6.92	4.49	6.29	7.30	8.74	7.54	118.10	
	Load Allocation	171.45	216.80	390.48	420.19	369.13	199.76	132.31	85.91	120.70	140.41	170.89	149.35	2,567.38	
	Background	13.02	21.34	128.57	119.71	17.25	9.31	0.88	0.69	1.30	1.79	4.91	6.16	324.94	
	Agricultural	86.56	118.01	157.82	163.70	178.36	77.03	45.70	21.53	30.67	38.00	58.03	64.30	1,039.70	
	Non-Permitted Urban	71.88	77.45	104.09	136.78	173.51	113.41	85.74	63.68	88.73	100.62	107.96	78.89	1,202.74	
	Wasteload Allocation	5.05	7.13	15.71	13.47	6.07	5.38	8.02	5.56	7.99	7.84	8.24	6.39	96.84	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	4.96	7.03	15.58	13.30	5.85	5.24	7.91	5.48	7.88	7.71	8.10	6.29	95.33	
	MS4	0.09	0.10	0.13	0.17	0.22	0.14	0.11	0.08	0.11	0.13	0.14	0.10	1.51	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-4 Kewaskum Creek Entire Length	Total Loading Capacity	34.94	45.54	84.33	92.43	81.83	45.57	34.00	22.06	28.06	35.34	39.35	34.20	577.65	
	Reserve Capacity	1.60	2.01	3.32	3.71	3.89	2.07	1.58	1.03	1.29	1.64	1.81	1.57	25.52	
	Load Allocation	30.91	39.93	74.28	81.70	72.97	39.36	28.51	18.51	23.21	29.62	33.37	29.29	501.66	
	Background	1.94	3.31	13.79	14.48	2.53	2.26	0.25	0.19	0.22	0.44	0.96	1.11	41.48	
	Agricultural	13.75	18.67	31.29	30.79	31.95	13.31	8.94	4.07	5.26	6.91	9.70	10.74	185.38	
	Non-Permitted Urban	15.22	17.94	29.20	36.43	38.49	23.80	19.31	14.25	17.73	22.27	22.71	17.44	274.79	
	Wasteload Allocation	2.43	3.60	6.73	7.02	4.97	4.14	3.91	2.52	3.55	4.08	4.17	3.35	50.47	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	1.07	2.00	4.11	3.76	1.53	2.01	2.18	1.24	1.96	2.08	2.14	1.78	25.86	
	MS4	1.36	1.61	2.62	3.26	3.45	2.13	1.73	1.28	1.59	1.99	2.03	1.56	24.62	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.11 (MI) - Monthly Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-5 Watercress Creek and East Branch Milwaukee River Entire Length	Total Loading Capacity	186.28	231.09	345.78	410.55	288.95	171.48	120.06	79.83	115.04	113.30	159.38	171.05	2,392.78	
	Reserve Capacity	7.61	9.62	8.30	2.47	13.07	7.33	5.38	3.59	5.15	5.06	6.89	7.38	81.85	
	Load Allocation	170.80	214.87	321.04	393.66	269.16	157.08	106.19	68.99	101.37	101.04	142.67	156.44	2,203.31	
	Background	26.43	32.42	163.55	346.86	21.39	18.20	4.20	0.88	3.81	5.21	12.01	16.60	651.57	
	Agricultural	42.31	60.10	54.55	15.44	78.01	33.86	20.13	8.81	11.42	11.50	21.81	32.62	390.57	
	Non-Permitted Urban	102.05	122.34	102.93	31.35	169.76	105.01	81.86	59.30	86.14	84.33	108.85	107.22	1,161.17	
	Wasteload Allocation	7.87	6.60	16.44	14.42	6.72	7.08	8.49	7.24	8.52	7.20	9.81	7.23	107.62	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	7.57	6.25	16.14	14.33	6.24	6.78	8.25	7.07	8.28	6.96	9.50	6.92	104.29	
	MS4	0.29	0.35	0.30	0.09	0.49	0.30	0.23	0.17	0.25	0.24	0.31	0.31	3.33	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-6 Quaas Creek and Milwaukee River Near West Bend	Total Loading Capacity	315.32	359.84	472.45	473.17	497.07	453.43	386.32	350.35	348.98	326.35	328.66	312.60	4,624.55	
	Reserve Capacity	14.85	16.68	19.23	19.37	23.49	21.53	17.95	16.83	16.34	15.15	15.15	14.53	211.09	
	Load Allocation	40.13	56.83	107.23	112.57	87.89	75.80	51.28	44.30	41.58	41.60	42.00	38.25	739.46	
	Background	6.58	11.19	44.11	44.42	9.36	9.52	0.91	0.71	0.97	1.69	3.36	3.77	136.59	
	Agricultural	2.96	4.54	6.94	10.05	12.67	10.15	4.66	2.34	1.29	1.28	1.69	2.19	60.76	
	Non-Permitted Urban	30.59	41.10	56.19	58.11	65.86	56.12	45.72	41.25	39.32	38.63	36.94	32.29	542.10	
	Wasteload Allocation	260.35	286.33	345.99	341.23	385.69	356.10	317.09	289.22	291.06	269.59	271.52	259.81	3,673.99	
	General Permits - NCCW	0.45	0.46	0.46	0.45	0.57	0.56	0.48	0.47	0.46	0.41	0.42	0.43	5.64	
	General Permits - Other	11.76	15.09	43.79	41.43	17.82	13.34	26.43	13.07	21.23	21.65	22.28	18.18	266.09	
	MS4	59.33	79.71	108.96	112.68	127.73	108.83	88.66	79.99	76.24	74.91	71.64	62.62	1,051.30	
Individual Permits	188.81	191.07	192.77	186.67	239.57	233.37	201.52	195.69	193.12	172.63	177.17	178.59	2,350.97		
MI-7 Myra Creek and Milwaukee River From North Branch Milwaukee River to West Bend	Total Loading Capacity	106.31	130.79	210.48	230.32	208.95	128.94	93.92	68.10	92.74	82.80	106.82	105.95	1,566.11	
	Reserve Capacity	4.57	5.53	6.87	6.29	9.50	5.60	4.30	3.07	4.22	3.76	4.72	4.72	63.13	
	Load Allocation	72.00	97.27	169.03	191.64	156.92	90.48	62.05	43.11	59.27	54.40	69.34	71.27	1,136.77	
	Background	8.44	13.86	59.98	91.60	12.27	9.37	0.88	0.19	1.11	1.35	3.81	5.17	208.02	
	Agricultural	18.55	28.06	39.69	33.88	47.44	19.58	12.37	5.32	6.95	6.48	10.60	14.76	243.67	
	Non-Permitted Urban	45.01	55.34	69.36	66.17	97.21	61.53	48.80	37.60	51.22	46.57	54.93	51.35	685.09	
	Wasteload Allocation	29.75	27.99	34.58	32.38	42.54	32.86	27.58	21.91	29.25	24.64	32.77	29.96	366.20	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	
	General Permits - Other	6.57	6.33	13.07	12.88	6.75	7.60	7.14	6.43	7.29	6.24	8.68	6.47	95.45	
	MS4	1.97	2.42	3.03	2.89	4.24	2.69	2.13	1.64	2.24	2.03	2.40	2.24	29.92	
Individual Permits	21.22	19.25	18.48	16.62	31.54	22.57	18.31	13.84	19.72	16.37	21.70	21.25	240.84		
MI-8 North Branch Milwaukee River From Adell Tributary to Headwaters	Total Loading Capacity	37.81	44.68	63.11	77.00	55.64	29.77	22.13	15.57	19.19	18.99	35.27	36.79	455.96	
	Reserve Capacity	1.73	2.02	2.76	2.56	2.61	1.39	1.04	0.74	0.89	0.89	1.65	1.72	20.01	
	Load Allocation	19.83	26.60	40.64	55.97	32.43	14.52	9.99	6.65	7.81	8.44	16.37	19.20	258.45	
	Background	2.29	2.92	5.56	23.58	2.32	0.83	0.30	0.16	0.20	0.30	1.04	1.70	41.19	
	Agricultural	7.09	10.33	16.38	13.89	12.91	4.26	2.66	1.08	1.12	1.30	3.35	5.66	80.04	
	Non-Permitted Urban	10.46	13.35	18.69	18.49	17.20	9.43	7.03	5.42	6.49	6.85	11.98	11.84	137.22	
	Wasteload Allocation	16.25	16.06	19.71	18.47	20.59	13.86	11.10	8.18	10.50	9.66	17.25	15.88	177.50	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	
	General Permits - Other	1.01	1.32	2.28	2.21	1.05	1.08	0.96	0.54	1.29	0.94	1.28	0.64	14.60	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	
Individual Permits	15.24	14.74	17.44	16.27	19.55	12.77	10.14	7.63	9.21	8.71	15.97	15.23	162.90		

Table A.11 (MI) - Monthly Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-9 Adell Tributary Entire Length	Total Loading Capacity	53.61	59.55	70.95	80.87	65.39	50.71	43.50	38.80	39.73	39.75	50.91	51.52	645.30	
	Reserve Capacity	2.56	2.81	3.21	2.94	3.14	2.47	2.13	1.92	1.93	1.94	2.47	2.49	30.00	
	Load Allocation	7.58	11.10	17.09	31.38	13.13	6.69	5.18	3.17	3.19	3.59	5.29	6.95	114.33	
	Background	1.66	2.57	5.05	20.34	1.68	0.42	0.16	0.07	0.09	0.14	0.64	1.22	34.02	
	Agricultural	2.55	3.91	6.20	5.43	6.31	2.73	2.06	0.53	0.47	0.54	0.99	2.00	33.71	
	Non-Permitted Urban	3.37	4.63	5.84	5.60	5.14	3.54	2.96	2.57	2.63	2.91	3.66	3.73	46.60	
	Wasteload Allocation	43.48	45.64	50.66	46.56	49.12	41.55	36.19	33.71	34.61	34.22	43.15	42.09	500.96	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.78	0.80	1.78	1.73	1.01	0.83	0.73	0.40	0.99	0.72	0.93	0.49	11.18	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	42.70	44.84	48.88	44.83	48.12	40.72	35.46	33.31	33.62	33.49	42.22	41.59	489.78		
MI-10 Chambers Creek, Batavia Creek, and North Branch Milwaukee River Near Sherman	Total Loading Capacity	104.33	126.21	173.29	218.77	154.78	89.98	67.74	45.28	51.80	53.77	96.50	103.02	1,285.46	
	Reserve Capacity	4.78	5.71	7.63	7.56	7.38	4.24	3.21	2.17	2.37	2.51	4.50	4.85	56.91	
	Load Allocation	96.52	116.44	158.66	204.55	144.48	82.44	61.62	41.44	45.55	48.33	88.07	96.29	1,184.40	
	Background	5.66	7.99	13.61	60.89	4.31	1.96	0.70	0.24	0.44	0.68	2.48	4.18	103.15	
	Agricultural	37.15	47.09	67.59	61.59	54.98	22.86	15.66	7.81	8.38	9.29	23.42	32.59	388.40	
	Non-Permitted Urban	53.71	61.36	77.47	82.07	85.19	57.63	45.26	33.39	36.72	38.36	62.17	59.53	692.85	
	Wasteload Allocation	3.03	4.06	6.99	6.65	2.93	3.30	2.91	1.66	3.88	2.93	3.92	1.88	44.15	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	3.03	4.06	6.99	6.65	2.93	3.30	2.91	1.66	3.88	2.93	3.92	1.88	44.15	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-11 Melius Creek Entire Length	Total Loading Capacity	44.81	49.43	58.34	66.13	53.60	41.89	35.79	32.14	32.88	33.36	42.32	42.92	533.60	
	Reserve Capacity	2.14	2.35	2.65	2.52	2.56	2.04	1.75	1.59	1.60	1.63	2.05	2.07	24.95	
	Load Allocation	22.44	28.55	36.90	45.68	30.47	19.95	15.89	13.36	13.30	14.54	18.99	21.39	281.45	
	Background	1.52	1.92	4.23	14.65	1.75	0.60	0.23	0.13	0.15	0.23	0.73	1.13	27.28	
	Agricultural	8.47	11.62	15.24	13.35	12.32	6.06	4.31	2.24	1.97	2.31	4.02	6.57	88.48	
	Non-Permitted Urban	12.46	15.01	17.42	17.68	16.40	13.28	11.35	10.99	11.18	12.00	14.25	13.68	165.70	
	Wasteload Allocation	20.23	18.53	18.79	17.92	20.58	19.91	18.14	17.20	17.98	17.19	21.28	19.46	227.20	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.52	0.53	1.17	1.13	0.67	0.55	0.48	0.27	0.65	0.48	0.63	0.33	7.40	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	19.71	18.00	17.62	16.79	19.91	19.36	17.66	16.93	17.33	16.71	20.65	19.13	219.80		
MI-12 Mink Creek Entire Length	Total Loading Capacity	70.07	83.42	120.76	150.26	107.94	53.81	37.85	21.26	31.34	31.74	65.55	69.29	843.28	
	Reserve Capacity	3.22	3.82	5.39	5.28	5.13	2.53	1.80	1.01	1.45	1.49	3.08	3.26	37.46	
	Load Allocation	65.28	77.56	111.77	141.58	101.23	49.61	34.56	19.34	27.88	28.77	60.44	65.03	783.04	
	Background	4.05	5.01	9.38	41.26	3.81	1.51	0.44	0.19	0.35	0.54	1.85	3.00	71.38	
	Agricultural	28.13	35.57	53.44	48.44	42.81	16.01	10.20	4.38	6.02	6.35	18.03	24.36	293.75	
	Non-Permitted Urban	33.10	36.98	48.95	51.87	54.61	32.09	23.92	14.77	21.51	21.88	40.56	37.67	417.92	
	Wasteload Allocation	1.56	2.04	3.61	3.41	1.59	1.67	1.50	0.91	2.00	1.48	2.02	0.99	22.78	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	1.56	2.04	3.61	3.41	1.59	1.67	1.50	0.91	2.00	1.48	2.02	0.99	22.78	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.11 (MI) - Monthly Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-13 Stony Creek, Wallace Creek, and North Branch Milwaukee River Near Farmington	Total Loading Capacity	201.49	244.25	363.98	430.57	355.73	183.15	139.06	94.62	121.77	117.56	189.39	198.30	2,639.86	
	Reserve Capacity	8.99	10.92	15.31	12.79	15.62	8.44	6.48	4.36	5.59	5.51	8.67	9.06	111.74	
	Load Allocation	184.82	226.31	333.84	403.34	329.91	166.80	124.89	83.38	107.62	106.42	170.79	181.94	2,420.08	
	Background	13.99	18.85	42.98	160.26	33.19	6.47	1.82	0.48	1.38	1.80	6.08	9.85	297.15	
	Agricultural	64.03	85.14	129.86	102.34	114.61	45.88	28.15	13.20	15.63	16.99	38.08	52.88	706.80	
	Non-Permitted Urban	106.80	122.32	161.00	140.74	182.11	114.45	94.91	69.71	90.61	87.63	126.64	119.21	1,416.13	
	Wasteload Allocation	7.67	7.02	14.83	14.43	10.20	7.91	7.70	6.87	8.56	5.63	9.92	7.30	108.04	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	7.66	7.01	14.81	14.42	10.18	7.90	7.69	6.87	8.55	5.63	9.91	7.29	107.91	
	MS4	9.78E-03	0.01	0.01	0.01	0.02	0.01	8.69E-03	6.38E-03	8.30E-03	8.02E-03	0.01	0.01	0.13	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-14 Silver Creek Entire Length	Total Loading Capacity	80.37	94.93	133.99	160.94	119.08	69.40	56.66	42.61	51.80	47.21	79.34	79.19	1,015.52	
	Reserve Capacity	3.44	3.99	5.22	4.65	5.28	3.00	2.46	1.95	2.07	2.04	3.45	3.42	40.98	
	Load Allocation	44.51	58.12	85.35	116.31	74.45	37.40	29.33	22.73	23.73	24.39	41.04	44.08	601.44	
	Background	4.13	5.47	11.67	49.83	3.73	1.01	0.36	0.17	0.21	0.32	1.57	3.04	81.51	
	Agricultural	7.08	10.15	16.48	13.46	15.67	5.09	3.53	1.12	1.03	1.21	3.10	5.58	83.51	
	Non-Permitted Urban	33.29	42.50	57.20	53.02	55.05	31.30	25.44	21.44	22.49	22.85	36.38	35.46	436.42	
	Wasteload Allocation	32.42	32.82	43.42	39.98	39.35	29.00	24.87	17.94	26.00	20.78	34.84	31.68	373.10	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	7.43	9.60	17.82	18.10	9.79	8.43	7.12	3.52	10.21	6.07	8.68	7.70	114.47	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	24.99	23.22	25.59	21.89	29.56	20.57	17.75	14.42	15.78	14.71	26.16	23.98	258.63		
MI-15 Milwaukee River Near Fredonia	Total Loading Capacity	102.07	127.17	198.33	165.92	220.05	111.93	95.37	79.22	130.86	94.24	103.96	95.71	1,524.82	
	Reserve Capacity	4.56	5.77	8.53	5.48	10.22	5.12	4.41	3.35	6.01	4.40	4.70	4.28	66.82	
	Load Allocation	51.93	74.66	121.47	110.73	132.77	57.57	47.61	35.44	62.45	47.63	50.17	49.25	841.68	
	Background	3.39	4.39	9.33	37.61	6.44	1.20	0.38	0.20	0.24	0.37	1.42	2.50	67.47	
	Agricultural	7.19	11.17	20.04	11.68	22.85	6.65	4.95	1.49	2.28	1.98	3.12	5.35	98.74	
	Non-Permitted Urban	41.35	59.10	92.10	61.44	103.48	49.73	42.29	33.75	59.94	45.29	45.62	41.39	675.48	
	Wasteload Allocation	45.58	46.73	68.33	49.71	77.07	49.24	43.35	40.43	62.40	42.21	49.09	42.19	616.31	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	7.46	7.35	18.43	18.72	9.19	8.41	6.88	12.04	10.34	5.79	8.62	7.64	120.87	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	38.12	39.38	49.90	30.99	67.88	40.83	36.47	28.39	52.05	36.42	40.47	34.55	495.45		
MI-16 Milwaukee River Near Saukville	Total Loading Capacity	141.53	160.25	179.73	200.16	146.39	152.47	130.08	117.83	113.66	97.21	132.82	125.05	1,697.17	
	Reserve Capacity	6.65	7.49	7.26	8.14	6.67	7.29	6.19	5.66	5.42	4.63	6.22	5.97	77.60	
	Load Allocation	37.70	52.60	79.83	91.13	54.12	40.73	32.23	24.17	21.78	19.74	29.35	31.18	514.57	
	Background	5.06	5.39	24.57	28.90	7.38	1.40	0.44	0.22	0.15	0.24	2.27	1.92	77.95	
	Agricultural	11.97	19.12	26.36	28.16	21.59	11.30	8.23	3.07	2.54	2.49	4.92	8.80	148.54	
	Non-Permitted Urban	20.68	28.08	28.90	34.07	25.15	28.02	23.56	20.88	19.08	17.02	22.16	20.46	288.08	
	Wasteload Allocation	97.18	100.16	92.63	100.89	85.60	104.45	91.65	87.99	86.46	72.83	97.25	87.90	1,105.00	
	General Permits - NCCW	0.49	0.49	0.42	0.46	0.41	0.51	0.44	0.43	0.42	0.36	0.47	0.44	5.35	
	General Permits - Other	3.46	5.01	9.95	8.45	5.66	5.24	5.78	4.37	5.08	4.28	6.13	3.72	67.15	
	MS4	5.59	7.59	7.81	9.21	6.80	7.57	6.37	5.64	5.16	4.60	5.99	5.53	77.83	
Individual Permits	87.64	87.07	74.46	82.77	72.74	91.13	79.07	77.54	75.80	63.59	84.66	78.21	954.67		

Table A.11 (MI) - Monthly Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MI-17 Milwaukee River From Cedar Creek to Saukville	Total Loading Capacity	137.31	156.89	191.31	206.07	171.70	159.28	136.89	122.24	122.59	103.28	130.57	121.35	1,759.48
	Reserve Capacity	6.35	7.29	7.33	7.76	8.28	7.65	6.65	5.96	5.98	5.04	6.17	5.82	80.27
	Load Allocation	19.95	26.40	62.18	72.29	32.22	24.59	16.81	10.98	9.82	8.70	14.15	13.60	311.68
	Background	8.07	8.47	39.42	46.03	4.01	3.18	0.69	0.47	0.51	0.57	3.88	2.96	118.27
	Agricultural	4.20	6.87	9.77	11.85	13.73	9.29	5.75	2.23	1.49	1.30	2.08	2.99	71.57
	Non-Permitted Urban	7.68	11.05	12.98	14.41	14.48	12.11	10.37	8.27	7.82	6.82	8.19	7.64	121.84
	Wasteload Allocation	111.01	123.20	121.80	126.02	131.20	127.04	113.43	105.30	106.79	89.54	110.24	101.93	1,367.53
	General Permits - NCCW	0.10	0.10	0.09	0.09	0.10	0.10	0.09	0.09	0.09	0.08	0.09	0.09	1.12
	General Permits - Other	2.32	2.65	5.37	4.89	2.07	3.13	3.13	2.53	2.56	1.87	3.19	2.07	35.77
	MS4	17.31	24.92	29.27	32.49	32.65	27.31	23.38	18.65	17.64	15.39	18.46	17.23	274.71
Individual Permits	91.29	95.53	87.07	88.55	96.38	96.49	86.83	84.04	86.50	72.21	88.49	82.55	1,055.94	
MI-18 Cedar Creek From Jackson Creek to Headwaters	Total Loading Capacity	66.46	77.88	148.85	168.78	161.69	109.65	83.99	68.00	76.15	79.57	76.97	66.34	1,184.35
	Reserve Capacity	2.97	3.29	5.65	6.75	7.56	4.81	3.82	3.18	3.49	3.60	3.41	2.93	51.46
	Load Allocation	38.65	44.42	90.74	101.66	95.44	60.22	43.80	35.01	38.28	39.87	39.66	35.28	663.03
	Background	3.66	5.60	23.09	22.49	5.67	4.98	0.68	0.52	0.59	1.12	2.01	2.23	72.64
	Agricultural	9.83	11.12	21.27	21.88	27.40	13.27	8.92	4.39	4.56	4.42	5.90	6.68	139.64
	Non-Permitted Urban	25.16	27.70	46.38	57.28	62.38	41.97	34.20	30.11	33.13	34.33	31.76	26.36	450.75
	Wasteload Allocation	24.84	30.16	52.47	60.38	58.69	44.62	36.37	29.81	34.38	36.11	33.90	28.14	469.87
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	3.34	6.50	12.83	11.37	4.84	8.40	6.84	3.79	5.75	6.49	6.75	5.61	82.51
	MS4	21.50	23.67	39.63	48.95	53.30	35.86	29.22	25.73	28.31	29.33	27.13	22.53	385.16
Individual Permits	-	-	0.01	0.06	0.55	0.36	0.30	0.29	0.32	0.28	0.02	-	2.19	
MI-19 Lehner Creek Entire Length	Total Loading Capacity	3.43	4.53	8.35	9.07	7.48	4.21	3.25	2.07	2.59	3.32	3.68	3.28	55.28
	Reserve Capacity	0.15	0.19	0.29	0.33	0.35	0.18	0.15	0.09	0.12	0.15	0.16	0.15	2.31
	Load Allocation	3.13	4.08	7.52	8.22	6.91	3.75	2.81	1.80	2.22	2.89	3.22	2.89	49.43
	Background	0.25	0.46	1.96	2.06	0.31	0.25	0.02	0.02	0.02	0.05	0.11	0.14	5.65
	Agricultural	1.06	1.44	2.29	2.21	2.35	0.95	0.66	0.28	0.35	0.47	0.68	0.78	13.54
	Non-Permitted Urban	1.81	2.18	3.27	3.95	4.25	2.54	2.12	1.50	1.84	2.38	2.43	1.97	30.24
	Wasteload Allocation	0.15	0.27	0.54	0.52	0.22	0.28	0.30	0.17	0.26	0.28	0.30	0.24	3.53
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.14	0.25	0.52	0.50	0.20	0.27	0.28	0.16	0.25	0.27	0.28	0.23	3.36
	MS4	0.01	0.01	0.02	0.02	0.02	0.01	0.01	8.51E-03	0.01	0.01	0.01	0.01	0.17
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-20 Jackson Creek Entire Length	Total Loading Capacity	5.76	8.24	15.48	17.44	12.87	7.88	8.75	5.09	5.88	7.76	7.45	5.90	108.51
	Reserve Capacity	0.27	0.37	0.67	0.76	0.61	0.36	0.40	0.24	0.27	0.36	0.34	0.27	4.91
	Load Allocation	2.74	3.91	7.84	8.54	6.31	3.53	3.73	2.03	2.27	3.04	3.03	2.51	49.48
	Background	0.12	0.22	0.97	1.01	0.15	0.11	0.01	6.19E-03	6.62E-03	0.02	0.05	0.07	2.75
	Agricultural	0.94	1.39	2.80	2.72	2.38	1.05	0.99	0.31	0.32	0.42	0.61	0.65	14.58
	Non-Permitted Urban	1.68	2.30	4.07	4.81	3.79	2.37	2.73	1.72	1.94	2.60	2.37	1.80	32.16
	Wasteload Allocation	2.76	3.96	6.97	8.14	5.95	3.98	4.62	2.83	3.34	4.36	4.09	3.13	54.12
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.32	0.63	1.08	1.17	0.46	0.55	0.66	0.34	0.53	0.60	0.66	0.52	7.52
	MS4	2.44	3.33	5.89	6.97	5.49	3.43	3.96	2.49	2.81	3.76	3.43	2.60	46.60
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.11 (MI) - Monthly Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-21 Little Cedar Creek Entire Length	Total Loading Capacity	191.32	224.53	341.42	371.75	310.27	199.51	178.61	177.97	213.40	158.24	201.08	177.72	2,745.83	
	Reserve Capacity	8.94	10.35	9.58	9.17	14.62	9.47	8.52	8.51	10.32	7.62	9.56	8.47	115.14	
	Load Allocation	63.11	97.24	228.99	266.49	139.17	73.76	61.65	51.72	53.88	39.08	54.21	54.04	1,183.33	
	Background	7.07	11.83	135.29	175.75	10.96	3.94	1.31	1.61	1.01	0.81	3.09	3.42	356.09	
	Agricultural	31.51	56.33	65.84	62.59	83.61	39.72	31.30	19.52	16.18	11.31	19.56	24.26	461.74	
	Non-Permitted Urban	24.53	29.08	27.85	28.14	44.60	30.11	29.04	30.59	36.69	26.96	31.56	26.36	365.50	
	Wasteload Allocation	119.27	116.94	102.86	96.09	156.48	116.28	108.44	117.74	149.20	111.54	137.31	115.21	1,447.36	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	5.36	5.75	14.58	12.52	6.91	6.21	6.86	6.11	5.94	5.05	6.80	4.95	87.04	
	MS4	20.05	23.77	22.77	23.00	36.45	24.61	23.73	25.00	29.99	22.04	25.79	21.55	298.74	
Individual Permits	93.87	87.43	65.51	60.57	113.12	85.46	77.84	86.62	113.28	84.46	104.72	88.71	1,061.59		
MI-22 Cedar Creek Near Jackson	Total Loading Capacity	85.37	104.38	181.48	194.64	175.77	103.64	72.98	50.61	69.22	71.13	83.80	79.94	1,272.96	
	Reserve Capacity	3.86	4.39	5.89	6.51	8.24	4.75	3.43	2.40	3.27	3.32	3.87	3.67	53.62	
	Load Allocation	71.97	88.32	157.52	168.04	147.88	83.43	56.94	39.10	53.19	54.79	66.12	64.70	1,051.99	
	Background	6.17	12.85	56.07	57.32	8.12	4.46	0.34	0.28	0.26	0.86	2.51	3.22	152.45	
	Agricultural	33.04	40.70	55.55	53.59	66.02	29.43	18.64	8.98	12.72	13.61	20.48	24.99	377.75	
	Non-Permitted Urban	32.77	34.77	45.89	57.13	73.74	49.54	37.96	29.85	40.22	40.31	43.13	36.49	521.79	
	Wasteload Allocation	9.54	11.67	18.07	20.09	19.65	15.45	12.61	9.11	12.76	13.02	13.82	11.57	167.35	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	2.06	3.73	7.59	7.04	2.81	4.14	3.94	2.29	3.57	3.82	3.97	3.23	48.19	
	MS4	7.48	7.94	10.48	13.05	16.84	11.31	8.67	6.82	9.19	9.21	9.85	8.33	119.17	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-23 Evergreen Creek Near Jackson	Total Loading Capacity	14.25	18.55	34.37	37.76	32.31	17.64	12.44	7.96	10.07	13.47	15.94	14.18	228.93	
	Reserve Capacity	0.67	0.84	1.43	1.59	1.55	0.82	0.59	0.38	0.47	0.63	0.75	0.66	10.37	
	Load Allocation	12.78	16.57	30.79	33.81	29.09	15.41	10.59	6.74	8.44	11.47	13.77	12.40	201.87	
	Background	0.61	1.08	4.58	4.82	0.77	0.65	0.07	0.05	0.07	0.13	0.29	0.34	13.46	
	Agricultural	7.21	9.74	16.45	16.31	15.52	6.55	4.13	1.92	2.53	3.64	5.42	5.97	95.39	
	Non-Permitted Urban	4.97	5.74	9.75	12.68	12.80	8.22	6.40	4.77	5.84	7.70	8.06	6.10	93.02	
	Wasteload Allocation	0.80	1.13	2.16	2.36	1.67	1.41	1.26	0.84	1.16	1.37	1.42	1.11	16.70	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.34	0.60	1.25	1.18	0.47	0.65	0.67	0.39	0.62	0.65	0.67	0.54	8.04	
	MS4	0.46	0.53	0.91	1.18	1.19	0.76	0.60	0.44	0.54	0.72	0.75	0.57	8.66	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-24 North Branch Cedar Creek and Cedar Creek From Milwaukee River to Myra Creek	Total Loading Capacity	217.90	252.35	384.80	414.70	368.27	290.65	240.55	189.27	203.44	207.13	218.06	209.34	3,196.44	
	Reserve Capacity	10.12	11.51	13.44	14.45	17.37	13.43	11.52	9.17	9.72	9.85	10.22	9.78	140.58	
	Load Allocation	46.16	67.11	170.74	189.20	106.07	69.11	47.01	30.43	31.22	35.04	39.81	39.53	871.43	
	Background	10.88	16.35	98.37	109.84	14.31	9.50	0.91	0.74	0.80	1.75	4.72	6.17	274.35	
	Agricultural	12.80	20.42	31.40	34.77	41.22	22.53	14.57	5.71	5.16	5.53	7.45	9.33	210.89	
	Non-Permitted Urban	22.48	30.33	40.98	44.59	50.54	37.09	31.53	23.98	25.26	27.75	27.64	24.02	386.19	
	Wasteload Allocation	161.62	173.73	200.61	211.05	244.83	208.10	182.02	149.67	162.50	162.24	168.04	160.03	2,184.43	
	General Permits - NCCW	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.26	
	General Permits - Other	4.57	5.72	17.59	15.90	6.56	12.48	9.31	5.11	8.25	8.43	9.00	7.54	110.46	
	MS4	24.09	32.50	43.91	47.78	54.15	39.74	33.79	25.69	27.06	29.74	29.61	25.74	413.80	
Individual Permits	132.93	135.49	139.09	147.35	184.09	155.87	138.90	118.84	127.16	124.05	129.40	126.73	1,659.92		

Table A.11 (MI) - Monthly Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-25 Milwaukee River From Pigeon Creek to Cedar Creek	Total Loading Capacity	710.21	884.14	1,297.69	1,339.56	1,167.06	711.74	523.24	449.91	564.07	475.92	625.79	632.27	9,381.60	
	Reserve Capacity	35.04	43.59	63.06	62.87	57.69	35.42	26.11	22.42	28.17	23.76	31.10	31.42	460.65	
	Load Allocation	52.68	75.58	146.85	183.89	101.56	26.92	16.12	7.69	8.43	7.40	17.99	36.09	681.22	
	Background	9.31	12.30	36.46	82.08	13.16	3.26	1.03	1.45	0.69	0.65	3.80	3.87	168.08	
	Agricultural	42.84	62.63	109.47	100.89	87.55	23.11	14.68	5.89	7.30	6.37	13.71	31.74	506.17	
	Non-Permitted Urban	0.53	0.65	0.92	0.92	0.85	0.55	0.41	0.36	0.45	0.38	0.49	0.48	6.97	
	Wasteload Allocation	622.48	764.97	1,087.78	1,092.80	1,007.81	649.40	481.01	419.80	527.47	444.76	576.69	564.76	8,239.73	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.02	0.03	0.07	0.06	0.03	0.04	0.04	0.04	0.04	0.02	0.03	0.02	0.45	
	MS4	622.45	764.95	1,087.70	1,092.74	1,007.77	649.36	480.98	419.76	527.44	444.74	576.66	564.74	8,239.28	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-26 Pigeon Creek Entire Length	Total Loading Capacity	54.84	70.71	118.64	130.25	96.94	52.74	40.06	51.59	59.37	42.65	59.04	45.12	821.94	
	Reserve Capacity	2.64	3.31	4.27	3.53	4.59	2.53	1.99	2.56	2.94	2.11	2.87	2.18	35.50	
	Load Allocation	5.58	11.80	45.36	69.63	16.21	6.50	3.32	2.67	1.97	1.42	3.38	3.94	171.79	
	Background	2.06	4.50	33.21	59.71	5.21	2.13	0.32	0.48	0.63	0.48	1.54	1.60	111.88	
	Agricultural	3.52	7.30	12.15	9.92	11.00	4.37	3.00	2.20	1.34	0.94	1.84	2.34	59.91	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	46.62	55.60	69.01	57.09	76.15	43.71	34.75	46.36	54.46	39.12	52.78	39.01	614.65	
	General Permits - NCCW	0.04	0.03	0.03	0.02	0.04	0.02	0.02	0.02	0.03	0.02	0.04	0.03	0.34	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MS4	46.58	55.56	68.98	57.07	76.11	43.69	34.74	46.33	54.43	39.09	52.74	38.98	614.31	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-		
MI-27 Milwaukee River From Lincoln Creek to Pigeon Creek	Total Loading Capacity	527.02	619.40	976.64	1,108.30	749.16	628.90	582.99	585.86	525.69	448.55	588.52	513.98	7,855.00	
	Reserve Capacity	26.26	30.78	47.88	53.56	37.28	31.35	29.14	29.26	26.26	22.41	29.37	25.63	389.19	
	Load Allocation	4.55	9.24	29.09	47.82	10.15	6.21	3.96	2.59	1.08	1.04	2.37	3.48	121.60	
	Background	1.77	3.80	19.03	37.00	3.57	1.81	0.27	0.57	0.40	0.43	1.20	1.29	71.16	
	Agricultural	2.78	5.44	10.06	10.82	6.58	4.40	3.69	2.02	0.68	0.62	1.17	2.20	50.45	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	496.21	579.37	899.66	1,006.91	701.73	591.34	549.89	554.01	498.35	425.10	556.78	484.86	7,344.21	
	General Permits - NCCW	23.37	24.34	12.21	7.58	8.47	8.91	7.35	5.95	9.27	8.47	12.93	19.72	148.57	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MS4	472.84	555.04	887.46	999.33	693.26	582.43	542.54	548.06	489.07	416.63	543.85	465.14	7,195.64	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-		
MI-28 Beaver Creek Entire Length	Total Loading Capacity	20.96	23.90	42.56	51.59	32.53	26.79	25.28	31.20	28.30	20.61	26.66	20.50	350.87	
	Reserve Capacity	1.04	1.19	2.10	2.52	1.62	1.34	1.26	1.56	1.41	1.03	1.33	1.02	17.43	
	Load Allocation	0.09	0.14	0.55	1.12	0.14	0.03	0.03	0.04	0.02	0.02	0.05	0.06	2.30	
	Background	0.09	0.14	0.55	1.12	0.14	0.03	0.03	0.04	0.02	0.02	0.05	0.06	2.30	
	Agricultural	4.61E-05	1.02E-04	2.73E-04	3.13E-04	1.86E-04	8.91E-05	7.43E-05	3.17E-05	1.91E-05	1.60E-05	2.77E-05	3.31E-05	1.21E-03	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	19.82	22.57	39.91	47.95	30.78	25.41	23.98	29.61	26.87	19.56	25.27	19.42	331.14	
	General Permits - NCCW	0.56	0.54	0.62	0.54	0.55	0.54	0.46	0.45	0.55	0.42	0.60	0.45	6.27	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MS4	16.62	19.53	36.41	44.86	27.64	22.37	21.37	27.08	23.76	17.19	21.90	16.86	295.59	
Individual Permits	2.63	2.50	2.89	2.54	2.58	2.51	2.15	2.08	2.56	1.95	2.78	2.11	29.29		

Table A.11 (MI) - Monthly Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MI-29 South Branch Creek Entire Length	Total Loading Capacity	15.68	18.31	32.58	38.79	25.68	18.90	17.31	21.81	20.24	14.65	19.54	15.16	258.65
	Reserve Capacity	0.78	0.91	1.60	1.89	1.28	0.94	0.86	1.09	1.01	0.73	0.97	0.76	12.83
	Load Allocation	0.08	0.12	0.49	1.02	0.12	0.03	0.03	0.03	0.02	0.02	0.04	0.05	2.03
	Background	0.08	0.12	0.49	1.02	0.12	0.03	0.03	0.03	0.02	0.02	0.04	0.05	2.03
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	14.83	17.27	30.48	35.88	24.28	17.93	16.42	20.69	19.21	13.91	18.52	14.36	243.78
	General Permits - NCCW	3.47	3.34	4.20	4.10	3.75	3.29	2.75	3.14	3.48	2.61	3.79	2.89	40.80
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	11.36	13.94	26.28	31.78	20.53	14.64	13.67	17.55	15.74	11.29	14.73	11.46	202.98
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-30 Indian Creek Entire Length	Total Loading Capacity	12.89	16.19	28.79	33.67	24.67	14.48	11.38	16.32	15.90	10.91	15.83	12.10	213.12
	Reserve Capacity	0.64	0.79	1.37	1.54	1.21	0.72	0.57	0.81	0.79	0.54	0.78	0.60	10.36
	Load Allocation	0.16	0.37	1.49	2.88	0.37	0.07	0.04	0.05	0.05	0.06	0.14	0.15	5.84
	Background	0.16	0.37	1.49	2.88	0.37	0.07	0.04	0.05	0.05	0.06	0.14	0.15	5.84
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	12.09	15.03	25.94	29.24	23.08	13.69	10.78	15.45	15.06	10.31	14.91	11.35	196.92
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	12.09	15.03	25.94	29.24	23.08	13.69	10.78	15.45	15.06	10.31	14.91	11.35	196.92
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-31 Lincoln Creek Entire Length	Total Loading Capacity	103.30	114.55	206.09	273.94	166.60	125.46	110.02	146.24	137.56	96.14	129.92	99.81	1,709.63
	Reserve Capacity	5.14	5.68	10.12	13.20	8.29	6.27	5.50	7.30	6.87	4.80	6.48	4.97	84.62
	Load Allocation	0.51	0.89	3.78	9.91	0.82	0.13	0.11	0.19	0.11	0.11	0.29	0.35	17.18
	Background	0.51	0.89	3.78	9.90	0.82	0.13	0.11	0.19	0.11	0.11	0.29	0.35	17.17
	Agricultural	3.05E-04	5.60E-04	1.44E-03	1.96E-03	1.11E-03	4.92E-04	3.34E-04	2.11E-04	1.98E-04	1.27E-04	2.19E-04	2.25E-04	7.18E-03
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	97.66	107.98	192.19	250.83	157.49	119.06	104.41	138.75	130.57	91.24	123.15	94.49	1,607.83
	General Permits - NCCW	20.84	19.09	25.06	28.09	22.82	20.67	16.70	20.83	22.44	15.86	23.07	17.32	252.77
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	72.54	84.95	161.90	216.71	129.78	93.96	84.13	113.46	103.32	71.98	95.20	73.58	1,301.52
Individual Permits	4.27	3.94	5.24	6.03	4.90	4.43	3.58	4.47	4.81	3.40	4.87	3.59	53.54	
MI-32 Milwaukee River From Estuary to Lincoln Creek	Total Loading Capacity	144.94	162.96	262.25	219.55	254.00	255.09	223.03	229.18	202.59	117.91	212.13	128.30	2,411.94
	Reserve Capacity	7.24	8.14	13.09	10.88	12.69	12.75	11.15	11.46	10.13	5.89	10.60	6.41	120.43
	Load Allocation	0.16	0.26	0.70	2.21	0.42	0.22	0.11	0.09	0.05	0.04	0.10	0.10	4.48
	Background	0.11	0.15	0.46	2.02	0.24	0.09	0.01	0.04	0.02	0.03	0.06	0.07	3.31
	Agricultural	0.05	0.11	0.25	0.19	0.19	0.13	0.10	0.05	0.02	0.02	0.03	0.03	1.17
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	137.54	154.56	248.45	206.46	240.89	242.11	211.77	217.64	192.42	111.98	201.43	121.79	2,287.03
	General Permits - NCCW	5.96	5.88	5.32	2.10	6.53	7.99	6.85	3.96	5.15	2.78	5.50	3.59	61.62
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	125.63	142.80	237.82	202.26	227.84	226.14	198.07	209.71	182.12	106.42	190.43	114.60	2,163.83
Individual Permits	5.95	5.88	5.32	2.10	6.52	7.99	6.85	3.96	5.14	2.78	5.50	3.59	61.57	

Table A.12 (MI) - Daily Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TSS Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-1 Upper Milwaukee River From Campbellsport to Headwaters	Total Loading Capacity	1,046.28	1,300.71	2,259.42	2,419.38	2,072.72	1,272.53	848.20	603.11	706.80	839.67	996.55	866.85	463,059.34	
	Reserve Capacity	46.39	58.62	72.80	82.92	89.63	51.07	36.69	27.95	32.02	38.62	47.17	40.48	18,980.84	
	Load Allocation	971.83	1,226.00	2,150.98	2,270.98	1,922.67	1,168.07	694.20	525.02	603.48	730.30	907.01	799.58	424,691.80	
	Background	112.93	123.56	774.00	705.64	253.79	220.47	21.58	13.97	19.51	20.29	39.22	54.74	71,734.87	
	Agricultural	841.37	1,084.15	1,329.06	1,438.40	1,421.32	649.19	390.44	249.03	328.62	486.34	729.02	707.83	293,504.67	
	Non-Permitted Urban	17.52	18.29	47.92	126.95	247.56	298.41	282.17	262.02	255.35	223.68	138.77	37.01	59,452.27	
	Wasteload Allocation	28.06	16.09	35.64	65.48	60.42	53.39	117.31	50.15	71.31	70.74	42.36	26.78	19,386.69	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	5.50	4.78	29.42	55.31	26.33	30.57	92.76	30.14	46.94	46.99	13.87	2.51	11,707.60	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	22.56	11.31	6.22	10.17	34.09	22.81	24.55	20.00	24.37	23.75	28.49	24.28	7,679.09		
MI-2 Upper Milwaukee River From Kewaskum to Campbellsport and Auburn	Total Loading Capacity	655.36	789.19	1,227.26	1,271.55	1,120.25	687.96	506.34	416.16	586.28	454.80	614.06	612.49	271,827.84	
	Reserve Capacity	28.38	35.11	50.46	26.51	34.30	25.01	21.19	15.64	25.04	20.95	28.25	27.92	10,298.03	
	Load Allocation	564.40	708.42	1,123.24	1,186.69	1,003.20	586.26	392.90	289.80	458.40	380.60	508.33	520.00	234,755.91	
	Background	80.14	82.32	206.28	701.83	391.10	144.79	22.27	14.77	22.38	20.29	34.06	50.55	53,831.49	
	Agricultural	449.47	589.21	840.37	396.14	421.70	225.09	138.12	77.26	136.66	166.27	317.16	394.47	126,218.32	
	Non-Permitted Urban	34.79	36.89	76.59	88.71	190.40	216.38	232.51	197.77	299.36	194.04	157.11	74.98	54,706.11	
	Wasteload Allocation	62.58	45.66	53.56	58.36	82.75	76.68	92.25	110.73	102.84	53.26	77.48	64.57	26,773.89	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	7.66	4.60	11.85	39.61	43.16	42.88	60.34	88.65	63.13	15.54	14.93	3.54	12,035.80	
	MS4	1.62	1.72	3.56	4.13	8.86	10.07	10.82	9.20	13.93	9.03	7.31	3.49	2,545.59	
Individual Permits	53.29	39.34	38.15	14.62	30.73	23.73	21.10	12.88	25.78	28.69	55.24	57.54	12,192.51		
MI-3 West Branch Milwaukee River Entire Length	Total Loading Capacity	972.88	1,232.73	2,210.43	2,365.70	2,072.24	1,132.50	774.99	505.04	710.38	818.70	988.82	859.38	445,171.33	
	Reserve Capacity	44.11	56.85	83.83	85.25	91.95	46.84	33.65	22.03	32.67	37.99	47.28	40.68	18,943.34	
	Load Allocation	920.48	1,170.93	2,100.05	2,230.57	1,950.79	1,047.73	654.66	428.80	637.63	736.75	927.14	815.65	414,084.19	
	Background	82.39	90.78	507.39	610.91	204.12	158.08	15.64	10.54	17.20	15.17	28.98	42.75	54,231.99	
	Agricultural	821.34	1,062.91	1,544.67	1,503.89	1,499.54	624.37	364.85	201.76	342.89	503.68	765.72	736.68	303,158.21	
	Non-Permitted Urban	16.75	17.24	47.99	115.77	247.13	265.28	274.17	216.50	277.53	217.91	132.44	36.22	56,693.99	
	Wasteload Allocation	8.28	4.95	26.55	49.87	29.50	37.93	86.68	54.21	40.08	43.96	14.40	3.05	12,143.80	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	8.26	4.93	26.49	49.72	29.19	37.60	86.33	53.94	39.73	43.68	14.24	3.00	12,072.63	
	MS4	0.02	0.02	0.06	0.15	0.31	0.33	0.34	0.27	0.35	0.27	0.17	0.05	71.17	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-4 Kewaskum Creek Entire Length	Total Loading Capacity	183.88	239.68	443.82	486.47	430.70	239.85	178.93	116.11	147.68	186.01	207.11	180.02	92,423.45	
	Reserve Capacity	8.42	11.11	18.52	19.26	19.11	9.56	7.44	5.20	6.78	8.42	9.80	8.49	4,016.14	
	Load Allocation	173.91	227.14	414.76	448.68	396.72	215.45	141.01	97.62	128.23	159.88	190.04	169.36	83,988.71	
	Background	14.48	16.47	64.58	86.60	39.79	39.56	5.34	3.57	4.91	4.95	7.03	9.17	9,011.81	
	Agricultural	153.65	204.94	331.48	319.41	287.60	112.43	72.67	40.83	62.11	98.27	146.50	148.15	60,132.23	
	Non-Permitted Urban	5.78	5.72	18.70	42.67	69.32	63.47	63.00	53.23	61.21	56.66	36.51	12.04	14,844.68	
	Wasteload Allocation	1.55	1.43	10.54	18.52	14.87	14.84	30.48	13.29	12.67	17.72	7.27	2.18	4,418.60	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	1.04	0.92	8.86	14.70	8.66	9.15	24.84	8.52	7.18	12.64	4.00	1.10	3,088.78	
	MS4	0.52	0.51	1.68	3.82	6.21	5.69	5.64	4.77	5.48	5.08	3.27	1.08	1,329.82	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.12 (MI) - Daily Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TSS Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-5 Watercress Creek and East Branch Milwaukee River Entire Length	Total Loading Capacity	980.41	1,216.24	1,819.90	2,160.80	1,520.79	902.55	631.89	420.13	605.47	596.30	838.84	900.24	382,844.43	
	Reserve Capacity	38.01	50.31	64.68	26.94	56.40	24.75	23.57	14.47	23.06	25.38	35.82	37.70	12,801.02	
	Load Allocation	931.56	1,159.67	1,736.21	2,076.59	1,433.59	826.19	517.72	325.05	499.24	548.87	781.59	858.41	355,518.27	
	Background	209.55	203.95	507.59	1,565.09	362.91	356.60	70.70	50.68	61.99	67.32	101.58	142.40	112,491.17	
	Agricultural	669.10	897.20	1,117.59	417.21	743.33	245.39	173.81	81.48	147.20	231.32	463.46	603.38	176,030.20	
	Non-Permitted Urban	52.90	58.52	111.04	94.29	327.34	224.19	273.21	192.89	290.06	250.23	216.54	112.63	66,996.90	
	Wasteload Allocation	10.84	6.26	19.01	57.27	30.80	51.61	90.61	80.61	83.18	22.05	21.43	4.13	14,525.15	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	10.69	6.09	18.69	57.00	29.86	50.97	89.82	80.06	82.34	21.33	20.81	3.81	14,332.91	
	MS4	0.15	0.17	0.32	0.27	0.94	0.64	0.78	0.55	0.83	0.72	0.62	0.32	192.23	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-6 Quaas Creek and Milwaukee River Near West Bend	Total Loading Capacity	1,659.60	1,893.90	2,486.57	2,490.35	2,616.18	2,386.47	2,033.29	1,843.94	1,836.74	1,717.61	1,729.81	1,645.24	739,927.37	
	Reserve Capacity	80.01	91.22	110.03	103.84	121.75	107.84	88.11	86.51	86.31	78.95	82.95	79.97	33,971.52	
	Load Allocation	826.05	1,070.16	1,438.48	1,308.03	1,104.94	910.33	603.58	557.95	540.59	532.86	619.81	697.23	310,384.22	
	Background	49.70	57.00	209.37	281.16	111.79	136.64	19.85	13.61	18.08	19.66	25.79	32.05	29,630.82	
	Agricultural	622.43	837.26	934.90	648.44	467.84	246.10	129.75	72.52	63.44	120.12	262.01	440.17	147,286.89	
	Non-Permitted Urban	153.92	175.90	294.22	378.42	525.32	527.59	453.98	471.82	459.07	393.08	332.01	225.00	133,466.51	
	Wasteload Allocation	753.55	732.53	938.06	1,078.49	1,389.49	1,368.31	1,341.59	1,199.47	1,209.84	1,105.80	1,027.05	868.04	395,571.62	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	9.72	12.58	76.62	132.46	69.34	93.12	251.16	100.10	92.53	118.94	44.98	13.79	30,866.06	
	MS4	298.50	341.12	570.58	733.87	1,018.74	1,023.16	880.41	915.00	890.28	762.30	643.87	436.35	258,831.23	
Individual Permits	445.33	378.83	290.86	212.16	301.41	252.03	210.02	184.37	227.04	224.56	338.20	417.90	105,874.34		
MI-7 Myra Creek and Milwaukee River From North Branch Milwaukee River to West Bend	Total Loading Capacity	559.54	688.35	1,107.78	1,212.20	1,099.73	678.61	494.31	358.40	488.10	435.79	562.23	557.62	250,576.99	
	Reserve Capacity	24.62	30.83	38.27	33.32	44.02	22.79	19.65	13.24	19.99	19.77	25.81	25.71	9,667.73	
	Load Allocation	505.70	635.63	1,039.04	1,110.48	975.83	576.57	366.66	247.61	372.89	370.31	488.71	502.00	218,619.67	
	Background	57.79	64.94	323.57	491.63	175.16	166.99	15.98	10.52	16.56	16.02	26.22	38.25	42,670.07	
	Agricultural	415.07	536.31	653.80	500.19	549.55	207.03	132.57	66.89	117.92	173.20	321.14	393.62	123,645.37	
	Non-Permitted Urban	32.84	34.38	61.67	118.67	251.13	202.56	218.10	170.21	238.42	181.08	141.35	70.13	52,304.24	
	Wasteload Allocation	29.22	21.89	30.47	68.40	79.88	79.25	107.99	97.55	95.22	45.72	47.72	29.91	22,289.59	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	9.36	6.82	18.82	54.19	44.27	55.82	85.24	83.05	71.66	24.37	19.90	5.22	14,552.40	
	MS4	1.43	1.50	2.69	5.18	10.97	8.85	9.52	7.43	10.41	7.91	6.17	3.06	2,283.99	
Individual Permits	18.43	13.57	8.96	9.03	24.65	14.58	13.23	7.07	13.14	13.44	21.65	21.63	5,453.20		
MI-8 North Branch Milwaukee River From Adell Tributary to Headwaters	Total Loading Capacity	199.00	235.17	332.18	405.26	292.84	156.69	116.46	81.96	101.01	99.94	185.61	193.65	72,953.10	
	Reserve Capacity	9.05	10.78	14.92	12.36	12.51	6.63	5.28	3.52	4.21	4.67	8.70	8.93	3,087.44	
	Load Allocation	167.47	206.93	294.82	369.16	246.05	120.67	85.51	56.99	65.38	73.76	138.66	160.46	60,370.00	
	Background	17.06	18.78	31.55	149.95	37.31	16.76	5.69	3.18	3.63	4.17	8.79	14.24	9,457.67	
	Agricultural	144.97	182.47	251.86	191.81	160.75	64.56	39.50	21.11	25.54	39.93	102.48	132.85	41,277.67	
	Non-Permitted Urban	5.43	5.68	11.41	27.40	47.99	39.35	40.33	32.70	36.21	29.66	27.40	13.37	9,634.67	
	Wasteload Allocation	22.47	17.46	22.45	23.74	34.29	29.39	25.67	21.46	31.42	21.51	38.25	24.26	9,495.65	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.87	0.81	2.21	8.03	5.42	7.33	5.11	8.39	13.25	2.43	2.84	0.77	1,746.59	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	21.60	16.65	20.24	15.71	28.86	22.07	20.55	13.06	18.18	19.08	35.41	23.49	7,749.06		

Table A.12 (MI) - Daily Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TSS Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-9 Adell Tributary Entire Length	Total Loading Capacity	282.16	313.42	373.43	425.65	344.17	266.91	228.94	204.22	209.12	209.19	267.92	271.18	103,247.81	
	Reserve Capacity	13.54	15.03	17.45	15.13	15.84	12.68	11.14	9.81	9.87	10.25	13.07	13.10	4,770.25	
	Load Allocation	208.04	254.13	312.55	367.07	262.27	180.54	149.14	129.81	122.51	126.40	162.46	190.45	74,947.60	
	Background	10.67	12.26	22.82	116.89	23.19	7.75	2.43	1.22	1.41	2.35	4.40	8.61	6,505.29	
	Agricultural	189.97	234.25	277.34	219.84	186.80	107.85	71.79	48.47	47.64	69.08	123.18	163.96	52,901.04	
	Non-Permitted Urban	7.40	7.63	12.40	30.34	52.28	64.94	74.92	80.12	73.47	54.97	34.88	17.88	15,541.27	
	Wasteload Allocation	60.58	44.25	43.42	43.45	66.05	73.69	68.67	64.59	76.74	72.54	92.38	67.63	23,529.96	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.64	0.60	1.57	6.15	4.20	5.64	3.78	6.73	10.30	1.81	2.03	0.55	1,337.56	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	59.95	43.65	41.85	37.30	61.86	68.06	64.88	57.87	66.43	70.73	90.36	67.08	22,192.40		
MI-10 Chambers Creek, Batavia Creek, and North Branch Milwaukee River Near Sherman	Total Loading Capacity	549.11	664.26	912.06	1,151.40	814.66	473.57	356.50	238.29	272.63	282.99	507.87	542.22	205,673.10	
	Reserve Capacity	25.29	30.84	41.67	37.26	36.40	20.55	16.39	10.40	11.16	13.55	23.94	25.32	8,899.82	
	Load Allocation	521.29	631.10	863.83	1,088.52	763.26	429.65	324.01	202.41	219.97	266.57	474.90	514.75	191,527.75	
	Background	40.72	45.06	72.08	380.67	71.59	39.25	12.69	4.82	8.00	9.17	20.09	33.72	22,431.19	
	Agricultural	462.96	568.33	756.21	618.12	519.45	237.63	152.23	78.94	93.19	151.11	360.37	437.35	134,851.32	
	Non-Permitted Urban	17.60	17.71	35.54	89.73	172.23	152.76	159.09	118.65	118.78	106.29	94.44	43.67	34,245.25	
	Wasteload Allocation	2.52	2.32	6.56	25.62	14.99	23.37	16.11	25.48	41.51	2.87	9.04	2.16	5,245.53	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	2.52	2.32	6.56	25.62	14.99	23.37	16.11	25.48	41.51	2.87	9.04	2.16	5,245.53	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-11 Melius Creek Entire Length	Total Loading Capacity	235.83	260.15	307.05	348.03	282.12	220.49	188.36	169.15	173.04	175.59	222.74	225.87	85,375.60	
	Reserve Capacity	11.17	12.33	14.05	12.44	12.53	10.23	9.06	8.10	8.16	8.49	10.74	10.77	3,892.99	
	Load Allocation	170.27	208.28	254.55	296.40	212.11	145.62	118.86	103.46	97.46	101.34	129.62	154.43	60,569.05	
	Background	11.98	13.08	24.95	94.85	28.71	12.09	4.46	2.52	2.90	4.53	6.61	10.12	6,590.53	
	Agricultural	152.77	189.31	219.97	177.48	144.40	84.41	57.45	39.38	38.47	55.45	97.33	131.18	42,182.95	
	Non-Permitted Urban	5.52	5.89	9.63	24.07	39.00	49.12	56.96	61.56	56.10	41.36	25.68	13.13	11,795.57	
	Wasteload Allocation	54.39	39.54	38.45	39.18	57.49	64.65	60.43	57.59	67.42	65.77	82.38	60.67	20,913.56	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.45	0.43	1.10	4.28	2.91	3.85	2.62	4.66	7.01	1.30	1.43	0.40	925.17	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	53.93	39.11	37.35	34.90	54.58	60.79	57.81	52.93	60.41	64.47	80.96	60.27	19,988.39		
MI-12 Mink Creek Entire Length	Total Loading Capacity	368.79	439.06	635.61	790.86	568.10	283.20	199.21	111.88	164.92	167.03	344.99	364.66	134,924.56	
	Reserve Capacity	16.86	20.22	28.88	25.66	24.85	12.06	9.05	4.74	6.90	7.79	16.24	16.91	5,780.76	
	Load Allocation	350.59	417.59	603.38	752.79	535.09	259.80	182.15	93.98	137.62	155.38	324.23	346.57	126,438.61	
	Background	30.32	33.33	54.67	265.21	62.88	30.68	10.24	3.87	6.51	7.46	15.68	25.33	16,604.24	
	Agricultural	310.17	374.73	529.35	437.87	375.69	153.82	94.72	40.82	63.32	91.79	251.22	295.22	91,768.74	
	Non-Permitted Urban	10.11	9.54	19.35	49.71	96.53	75.30	77.18	49.28	67.78	56.13	57.33	26.02	18,065.64	
	Wasteload Allocation	1.34	1.24	3.35	12.41	8.15	11.34	8.01	13.16	20.41	3.86	4.52	1.19	2,705.19	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	1.34	1.24	3.35	12.41	8.15	11.34	8.01	13.16	20.41	3.86	4.52	1.19	2,705.19	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.12 (MI) - Daily Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TSS Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-13 Stony Creek, Wallace Creek, and North Branch Milwaukee River Near Farmington	Total Loading Capacity	1,060.47	1,285.52	1,915.69	2,266.16	1,872.24	963.93	731.90	498.00	640.90	618.74	996.77	1,043.69	422,377.44	
	Reserve Capacity	47.75	58.68	86.47	63.07	78.40	38.96	31.48	18.42	26.37	28.94	46.48	48.19	17,425.18	
	Load Allocation	1,002.79	1,220.18	1,815.06	2,140.73	1,720.76	869.18	633.15	361.41	521.66	572.08	928.64	989.74	388,371.39	
	Background	95.53	105.22	172.23	942.47	231.22	128.92	35.10	11.45	20.71	22.32	45.49	74.21	57,299.70	
	Agricultural	865.45	1,073.46	1,553.32	1,043.80	1,117.00	437.99	266.82	126.16	199.08	307.10	668.17	819.55	257,727.95	
	Non-Permitted Urban	41.82	41.50	89.52	154.46	372.54	302.27	331.23	223.80	301.87	242.66	214.98	95.98	73,343.74	
	Wasteload Allocation	9.93	6.66	14.16	62.36	73.08	55.79	67.27	118.17	92.87	17.72	21.65	5.77	16,580.87	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	9.92	6.65	14.15	62.35	73.05	55.76	67.24	118.15	92.84	17.70	21.63	5.76	16,574.16	
	MS4	3.83E-03	3.80E-03	8.20E-03	0.01	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.02	8.79E-03	6.71
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-14 Silver Creek Entire Length	Total Loading Capacity	423.00	499.65	705.21	847.05	626.72	365.28	298.19	224.28	272.62	248.46	417.59	416.79	162,482.79	
	Reserve Capacity	19.56	23.21	32.05	25.08	26.94	14.47	12.55	8.57	8.11	11.61	19.37	19.50	6,718.44	
	Load Allocation	367.08	445.87	630.82	750.40	535.73	273.42	221.47	152.12	140.05	201.48	333.79	361.14	134,166.23	
	Background	26.34	30.10	51.36	291.24	52.82	19.21	5.76	2.97	3.39	3.97	10.70	21.20	15,779.10	
	Agricultural	302.73	380.24	513.38	339.38	274.31	94.33	58.45	28.20	27.79	67.12	185.79	263.02	77,055.80	
	Non-Permitted Urban	38.00	35.53	66.09	119.78	208.60	159.88	157.26	120.95	108.87	130.39	137.31	76.92	41,331.33	
	Wasteload Allocation	36.36	30.57	42.33	71.58	64.06	77.38	64.17	63.59	124.46	35.37	64.43	36.15	21,598.12	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	5.49	5.36	12.77	54.27	35.14	56.65	41.48	50.00	107.09	12.31	19.57	5.63	12,334.87	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	30.87	25.21	29.56	17.31	28.92	20.73	22.69	13.60	17.38	23.06	44.86	30.52	9,263.26		
MI-15 Milwaukee River Near Fredonia	Total Loading Capacity	537.20	669.29	1,043.83	873.26	1,158.17	589.11	501.93	416.93	688.76	496.01	547.14	503.74	243,971.79	
	Reserve Capacity	25.43	31.91	49.34	30.18	51.93	26.26	23.24	18.71	30.21	24.03	26.00	23.96	10,980.20	
	Load Allocation	440.14	576.95	911.52	765.15	966.84	453.82	378.58	309.35	479.65	384.46	408.18	408.55	197,088.74	
	Background	23.55	26.33	46.32	229.63	81.21	23.11	6.74	3.71	4.23	4.86	11.13	19.38	14,598.30	
	Agricultural	371.07	505.10	771.57	403.08	526.60	171.06	108.61	61.78	100.00	131.50	229.32	302.55	111,940.37	
	Non-Permitted Urban	45.51	45.52	93.63	132.44	359.03	259.64	263.22	243.86	375.42	248.09	167.73	86.63	70,550.06	
	Wasteload Allocation	71.63	60.43	82.97	77.94	139.40	109.04	100.11	88.87	178.90	87.52	112.96	71.23	35,902.86	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	4.98	4.74	10.81	40.09	38.34	40.79	30.39	39.07	80.33	10.50	16.10	5.23	9,769.59	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	66.65	55.69	72.17	37.85	101.06	68.25	69.73	49.80	98.57	77.02	96.86	66.00	26,133.27		
MI-16 Milwaukee River Near Saukville	Total Loading Capacity	744.87	843.40	945.93	1,053.50	770.46	802.50	684.64	620.13	598.20	511.62	699.08	658.15	271,547.13	
	Reserve Capacity	35.32	40.68	41.49	39.13	33.34	36.55	30.56	26.89	25.38	25.02	33.44	32.13	12,158.00	
	Load Allocation	578.48	708.19	800.42	855.43	562.34	522.41	417.92	361.35	320.16	324.12	447.74	489.08	194,184.10	
	Background	29.55	24.77	103.97	224.90	66.29	15.37	5.42	3.11	2.19	2.33	12.51	12.49	15,288.43	
	Agricultural	522.17	648.76	646.07	516.34	337.50	240.23	146.06	94.85	100.70	159.38	318.68	418.33	126,131.36	
	Non-Permitted Urban	26.75	34.66	50.39	114.19	158.56	266.81	266.44	263.38	217.27	162.41	116.54	58.26	52,764.31	
	Wasteload Allocation	131.07	94.54	104.01	158.94	174.78	243.53	236.15	231.89	252.65	162.49	217.90	136.94	65,205.03	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	8.90	5.11	12.19	46.00	37.44	56.02	68.03	79.16	88.37	8.97	17.71	2.99	13,098.74	
	MS4	7.23	9.36	13.61	30.85	42.84	72.09	71.99	71.16	58.70	43.88	31.49	15.74	14,255.60	
Individual Permits	114.95	80.06	78.21	82.09	94.50	115.42	96.14	81.58	105.59	109.63	168.70	118.21	37,850.69		

Table A.12 (MI) - Daily Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TSS Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-17 Milwaukee River From Cedar Creek to Saukville	Total Loading Capacity	722.69	825.72	1,006.87	1,084.60	903.68	838.30	720.50	643.38	645.23	543.58	687.21	638.67	281,517.02	
	Reserve Capacity	33.34	39.12	41.35	36.83	41.82	37.63	33.47	29.13	30.01	26.25	32.76	30.81	12,540.56	
	Load Allocation	421.71	549.99	720.28	761.99	478.51	361.02	257.48	191.86	184.90	175.22	264.39	313.33	142,292.58	
	Background	49.42	39.97	171.43	325.80	56.38	54.40	9.75	7.65	6.85	5.75	21.50	20.25	23,382.06	
	Agricultural	347.42	478.06	506.37	371.76	323.77	187.51	122.20	62.47	62.21	86.20	175.07	251.02	90,411.59	
	Non-Permitted Urban	24.87	31.96	42.47	64.43	98.35	119.10	125.53	121.74	115.85	83.27	67.82	42.06	28,498.93	
	Wasteload Allocation	267.64	236.61	245.25	285.79	383.36	439.65	429.55	422.38	430.32	342.10	390.06	294.52	126,683.89	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	6.53	3.29	8.50	22.23	10.90	31.35	41.35	53.06	38.19	12.76	10.57	2.19	7,323.82	
	MS4	56.08	72.06	95.76	145.27	221.74	268.53	283.02	274.48	261.19	187.74	152.91	94.84	64,253.79	
Individual Permits	205.03	161.26	140.99	118.28	150.71	139.78	105.18	94.83	130.95	141.60	226.59	197.50	55,106.28		
MI-18 Cedar Creek From Jackson Creek to Headwaters	Total Loading Capacity	349.80	409.88	783.44	888.34	851.01	577.12	442.07	357.91	400.78	418.81	405.11	349.15	189,496.49	
	Reserve Capacity	15.83	18.72	32.05	33.72	36.84	23.09	17.01	16.11	17.78	18.23	18.71	16.27	8,036.61	
	Load Allocation	309.63	367.47	670.09	694.54	627.34	396.27	231.06	201.35	230.12	248.64	293.00	289.18	138,584.32	
	Background	30.55	33.55	120.65	162.66	88.15	89.57	15.34	10.46	14.35	12.24	17.35	20.93	18,720.39	
	Agricultural	253.75	308.50	479.82	404.56	351.51	152.59	90.26	56.30	73.19	107.89	182.16	220.50	81,503.12	
	Non-Permitted Urban	25.34	25.42	69.62	127.32	187.68	154.11	125.46	134.59	142.57	128.50	93.49	47.76	38,360.81	
	Wasteload Allocation	24.34	23.70	81.30	160.07	186.83	157.77	194.00	140.44	152.88	151.95	93.40	43.70	42,875.56	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	2.69	1.98	21.79	51.19	26.09	25.84	86.53	25.19	30.75	41.96	13.47	2.89	10,043.95	
	MS4	21.65	21.72	59.49	108.80	160.37	131.69	107.21	115.00	121.83	109.81	79.89	40.81	32,778.87	
Individual Permits	-	-	0.02	0.08	0.37	0.23	0.26	0.25	0.30	0.18	0.04	-	52.74		
MI-19 Lehner Creek Entire Length	Total Loading Capacity	18.06	23.85	43.96	47.71	39.39	22.18	17.11	10.88	13.65	17.50	19.38	17.24	8,844.05	
	Reserve Capacity	0.81	1.08	1.72	1.73	1.73	0.83	0.68	0.47	0.62	0.78	0.91	0.80	369.93	
	Load Allocation	17.11	22.64	41.13	44.10	36.51	20.12	13.34	9.32	12.11	15.16	17.95	16.29	8,079.65	
	Background	1.74	2.03	8.44	11.23	3.60	4.30	0.50	0.33	0.46	0.47	0.75	1.05	1,060.53	
	Agricultural	14.59	19.82	30.33	27.76	24.68	9.01	6.00	3.24	5.08	8.39	13.06	13.69	5,339.60	
	Non-Permitted Urban	0.78	0.79	2.36	5.11	8.23	6.81	6.85	5.75	6.57	6.30	4.14	1.55	1,679.52	
	Wasteload Allocation	0.14	0.13	1.10	1.89	1.14	1.23	3.09	1.09	0.93	1.56	0.52	0.15	394.48	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	
	General Permits - Other	0.14	0.13	1.09	1.86	1.10	1.19	3.05	1.06	0.89	1.53	0.50	0.14	384.96	
	MS4	4.44E-03	4.46E-03	0.01	0.03	0.05	0.04	0.04	0.03	0.04	0.04	0.02	8.79E-03	9.51	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-		
MI-20 Jackson Creek Entire Length	Total Loading Capacity	30.34	43.35	81.47	91.80	67.75	41.45	46.07	26.81	30.93	40.84	39.23	31.08	17,362.09	
	Reserve Capacity	1.46	2.11	3.88	4.11	3.21	1.65	1.96	1.24	1.46	1.88	1.89	1.52	801.45	
	Load Allocation	26.60	38.58	68.48	68.63	46.30	21.65	21.88	12.37	15.35	22.44	27.20	25.32	12,002.46	
	Background	0.83	0.97	2.24	5.44	1.65	1.93	0.21	0.14	0.14	0.21	0.33	0.49	443.41	
	Agricultural	24.37	35.95	61.09	52.88	33.37	11.74	10.97	4.43	6.58	12.88	20.61	22.09	9,027.70	
	Non-Permitted Urban	1.40	1.65	5.15	10.31	11.28	7.99	10.71	7.80	8.62	9.36	6.25	2.75	2,531.35	
	Wasteload Allocation	2.27	2.66	9.11	19.06	18.24	18.15	22.23	13.19	14.12	16.52	10.15	4.24	4,558.18	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	
	General Permits - Other	0.24	0.27	1.64	4.11	1.89	6.58	6.72	1.89	1.63	2.96	1.09	0.26	889.67	
	MS4	2.03	2.40	7.47	14.95	16.34	11.57	15.51	11.30	12.50	13.56	9.06	3.98	3,668.52	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-		

Table A.12 (MI) - Daily Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TSS Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-21 Little Cedar Creek Entire Length	Total Loading Capacity	1,006.95	1,181.75	1,796.95	1,956.59	1,633.00	1,050.06	940.04	936.69	1,123.16	832.85	1,058.30	935.39	439,332.28	
	Reserve Capacity	48.34	56.12	65.83	64.05	71.18	46.33	43.08	40.97	52.72	39.77	51.11	45.43	18,998.01	
	Load Allocation	870.80	1,073.00	1,652.67	1,733.20	1,311.70	752.39	609.96	567.94	724.91	574.13	797.73	780.12	348,035.44	
	Background	32.92	53.94	452.65	616.48	169.07	74.16	4.97	13.00	13.70	8.84	17.24	22.88	44,987.29	
	Agricultural	815.57	999.82	1,166.60	1,028.99	965.13	496.24	396.72	325.49	427.94	395.73	653.08	706.36	254,681.26	
	Non-Permitted Urban	22.31	19.23	33.42	87.72	177.50	181.99	208.27	229.44	283.27	169.56	127.41	50.88	48,366.89	
	Wasteload Allocation	87.81	52.63	78.45	159.35	250.12	251.35	287.00	327.78	345.53	218.96	209.45	109.83	72,298.83	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	7.15	5.41	27.65	59.15	40.36	49.39	73.47	104.28	55.06	28.69	18.76	3.83	14,384.73	
	MS4	18.24	15.72	27.32	71.70	145.08	148.75	170.22	187.53	231.53	138.59	104.14	41.59	39,532.09	
Individual Permits	62.42	31.50	23.48	28.51	64.68	53.21	43.31	35.97	58.94	51.68	86.55	64.42	18,382.02		
MI-22 Cedar Creek Near Jackson	Total Loading Capacity	449.34	549.37	955.16	1,024.44	925.08	545.47	384.08	266.37	364.31	374.38	441.05	420.73	203,673.20	
	Reserve Capacity	20.43	24.99	36.39	36.09	41.88	22.77	16.67	12.35	17.29	17.31	21.04	19.86	8,726.57	
	Load Allocation	424.06	520.04	895.58	944.75	836.36	473.98	293.97	212.74	302.59	311.09	397.67	393.37	182,588.55	
	Background	38.56	47.73	211.28	274.99	71.24	72.25	5.97	3.81	5.26	5.03	13.00	21.48	23,426.15	
	Agricultural	373.44	461.47	653.18	599.65	630.90	266.69	162.46	96.72	161.14	205.89	318.97	348.35	130,077.37	
	Non-Permitted Urban	12.05	10.84	31.12	70.11	134.22	135.05	125.54	112.21	136.19	100.18	65.69	23.53	29,085.03	
	Wasteload Allocation	4.85	4.34	23.19	43.59	46.84	48.72	73.44	41.28	44.43	45.98	22.35	7.51	12,358.08	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	2.09	1.87	16.08	27.58	16.18	17.87	44.77	15.66	13.33	23.10	7.34	2.14	5,715.57	
	MS4	2.75	2.48	7.11	16.01	30.65	30.84	28.67	25.63	31.10	22.88	15.00	5.37	6,642.51	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-23 Evergreen Creek Near Jackson	Total Loading Capacity	75.02	97.63	180.89	198.71	170.06	92.86	65.47	41.87	53.01	70.90	83.89	74.61	36,629.54	
	Reserve Capacity	3.52	4.62	7.90	8.38	7.81	3.95	2.84	1.92	2.49	3.30	4.04	3.58	1,652.32	
	Load Allocation	71.11	92.68	170.13	185.19	158.27	84.35	53.56	35.90	46.93	62.46	77.89	70.51	33,713.00	
	Background	4.32	5.00	20.33	26.92	11.54	11.10	1.36	0.90	1.25	1.27	1.95	2.65	2,693.17	
	Agricultural	65.74	86.65	145.83	148.57	129.30	53.20	32.62	18.95	28.84	45.83	67.08	65.50	26,998.68	
	Non-Permitted Urban	1.05	1.03	3.97	9.71	17.43	20.04	19.58	16.04	16.83	15.36	8.87	2.37	4,021.16	
	Wasteload Allocation	0.38	0.33	2.86	5.14	3.98	4.56	9.06	4.05	3.60	5.15	1.96	0.52	1,264.21	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.28	0.23	2.49	4.24	2.36	2.69	7.24	2.56	2.03	3.72	1.13	0.30	889.93	
	MS4	0.10	0.10	0.37	0.90	1.62	1.87	1.82	1.49	1.57	1.43	0.83	0.22	374.28	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-24 North Branch Cedar Creek and Cedar Creek From Milwaukee River to Myra Creek	Total Loading Capacity	1,146.85	1,328.15	2,025.25	2,182.61	1,938.25	1,529.73	1,266.05	996.14	1,070.74	1,090.13	1,147.70	1,101.79	511,431.18	
	Reserve Capacity	53.53	62.02	81.13	78.15	87.30	66.47	57.09	46.91	51.01	51.13	55.05	52.69	22,571.48	
	Load Allocation	836.65	1,057.28	1,685.77	1,715.55	1,293.33	914.75	608.83	457.26	501.23	556.72	678.60	729.86	335,489.46	
	Background	71.60	80.97	376.92	555.53	155.32	159.37	16.66	11.61	14.18	15.88	28.53	42.85	46,494.26	
	Agricultural	723.57	930.79	1,203.11	972.79	847.35	438.23	280.60	151.13	190.79	297.01	481.83	607.21	216,581.89	
	Non-Permitted Urban	41.48	45.52	105.75	187.23	290.66	317.15	311.58	294.52	296.26	243.83	168.24	79.80	72,413.30	
	Wasteload Allocation	256.67	208.85	258.34	388.91	557.62	548.51	600.13	491.96	518.50	482.28	414.05	319.25	153,370.24	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	4.59	6.74	25.76	64.03	36.89	41.03	107.63	46.25	36.36	51.69	18.20	5.16	13,507.22	
	MS4	44.44	48.77	113.31	200.62	311.44	339.82	333.86	315.58	317.45	261.26	180.27	85.50	77,590.47	
Individual Permits	207.65	153.34	119.28	124.27	209.29	167.66	158.64	130.13	164.69	169.33	215.58	228.59	62,272.55		

Table A.12 (MI) - Daily Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TSS Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-25 Milwaukee River From Pigeon Creek to Cedar Creek	Total Loading Capacity	831.54	1,061.13	1,559.70	1,417.99	1,109.54	872.20	714.34	752.17	777.52	483.70	788.88	706.89	336,698.45	
	Reserve Capacity	38.61	49.89	65.12	44.70	49.35	39.79	34.20	36.54	38.29	23.83	38.29	33.95	14,973.95	
	Load Allocation	586.29	782.95	1,119.59	964.05	448.36	210.37	114.16	79.63	92.64	87.36	279.45	387.55	156,633.14	
	Background	59.23	63.39	257.30	523.74	122.42	76.18	30.03	21.03	11.42	7.02	23.00	27.87	37,167.66	
	Agricultural	526.88	719.37	861.98	439.97	325.43	133.66	83.65	58.06	80.68	80.03	256.05	359.44	119,325.78	
	Non-Permitted Urban	0.17	0.19	0.32	0.35	0.52	0.53	0.48	0.54	0.55	0.32	0.40	0.24	139.69	
	Wasteload Allocation	206.64	228.29	374.99	409.23	611.83	622.04	565.97	636.01	646.59	372.51	471.14	285.39	165,091.35	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.02	0.02	0.06	0.21	0.14	0.20	0.23	0.40	0.25	0.06	0.08	0.03	51.70	
	MS4	206.62	228.27	374.93	409.02	611.69	621.84	565.75	635.61	646.33	372.45	471.06	285.36	165,039.65	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-26 Pigeon Creek Entire Length	Total Loading Capacity	288.62	372.16	624.40	685.52	510.23	277.57	210.86	271.52	312.45	224.46	310.71	237.50	131,510.01	
	Reserve Capacity	13.69	17.34	22.11	22.04	20.92	11.73	10.46	13.25	15.15	10.91	15.01	11.26	5,589.34	
	Load Allocation	179.40	267.69	486.93	479.90	248.68	102.13	45.37	43.36	37.15	34.30	88.50	111.30	64,591.36	
	Background	14.74	25.30	182.28	244.80	91.84	43.00	1.68	6.54	9.41	6.23	10.61	12.35	19,723.22	
	Agricultural	164.67	242.39	304.65	235.11	156.84	59.13	43.69	36.81	27.73	28.06	77.89	98.95	44,868.14	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	95.52	87.12	115.36	183.58	240.63	163.71	155.03	214.91	260.15	179.25	207.21	114.94	61,329.31	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	95.52	87.12	115.36	183.58	240.63	163.71	155.03	214.91	260.15	179.25	207.21	114.94	61,329.31	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-27 Milwaukee River From Lincoln Creek to Pigeon Creek	Total Loading Capacity	617.05	743.39	1,173.83	1,173.18	712.24	770.69	795.91	979.45	724.61	455.89	741.90	574.64	287,668.50	
	Reserve Capacity	30.17	36.03	53.74	50.69	32.94	36.86	39.53	48.56	35.86	22.51	36.61	28.17	13,730.54	
	Load Allocation	165.10	274.23	480.62	431.90	150.26	88.39	53.02	44.39	19.18	18.17	64.60	102.65	57,532.22	
	Background	13.56	22.75	99.03	159.39	53.43	33.53	5.26	8.31	7.45	5.72	9.78	11.30	13,057.69	
	Agricultural	151.54	251.47	381.59	272.51	96.83	54.86	47.76	36.07	11.73	12.45	54.82	91.35	44,474.53	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	421.78	433.13	639.47	690.59	529.03	645.44	703.36	886.51	669.57	415.21	640.70	443.83	216,405.74	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	421.78	433.13	639.47	690.59	529.03	645.44	703.36	886.51	669.57	415.21	640.70	443.83	216,405.74	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-28 Beaver Creek Entire Length	Total Loading Capacity	110.30	125.77	224.01	271.52	171.23	140.97	133.04	164.23	148.96	108.46	140.31	107.90	56,139.77	
	Reserve Capacity	5.48	6.24	11.07	13.32	8.44	7.02	6.62	8.18	7.43	5.41	6.99	5.37	2,783.29	
	Load Allocation	0.81	1.05	2.79	5.30	2.42	0.53	0.60	0.56	0.44	0.32	0.50	0.58	483.37	
	Background	0.78	1.00	2.70	5.22	2.40	0.53	0.60	0.55	0.44	0.32	0.50	0.57	473.96	
	Agricultural	0.03	0.05	0.09	0.08	0.02	5.50E-03	3.93E-03	2.10E-03	1.22E-03	1.75E-03	6.39E-03	0.01	9.41	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	104.01	118.49	210.16	252.91	160.37	133.42	125.82	155.49	141.09	102.73	132.81	101.95	52,873.11	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	104.01	118.49	210.16	252.91	160.37	133.42	125.82	155.49	141.09	102.73	132.81	101.95	52,873.11	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.12 (MI) - Daily Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TSS Load (lbs/day)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MI-29 South Branch Creek Entire Length	Total Loading Capacity	82.55	96.35	171.45	204.14	135.14	99.48	91.13	114.77	106.54	77.13	102.83	79.80	41,384.01
	Reserve Capacity	4.10	4.78	8.46	9.98	6.66	4.95	4.53	5.72	5.31	3.84	5.12	3.97	2,049.27
	Load Allocation	0.64	0.83	2.31	4.55	1.99	0.41	0.48	0.44	0.34	0.25	0.40	0.46	398.55
	Background	0.64	0.83	2.31	4.55	1.99	0.41	0.48	0.44	0.34	0.25	0.40	0.46	398.55
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	77.81	90.75	160.68	189.61	126.50	94.11	86.11	108.61	100.89	73.03	97.31	75.37	38,936.19
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	77.81	90.75	160.68	189.61	126.50	94.11	86.11	108.61	100.89	73.03	97.31	75.37	38,936.19
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-30 Indian Creek Entire Length	Total Loading Capacity	67.83	85.20	151.53	177.20	129.85	76.20	59.91	85.87	83.70	57.40	83.32	63.67	34,099.40
	Reserve Capacity	3.32	4.13	7.22	8.18	6.18	3.75	2.94	4.25	4.13	2.83	4.10	3.11	1,645.89
	Load Allocation	1.51	2.52	7.17	13.56	6.33	1.14	1.13	0.92	1.04	0.81	1.27	1.46	1,181.57
	Background	1.51	2.52	7.17	13.56	6.33	1.14	1.13	0.92	1.04	0.81	1.27	1.46	1,181.57
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	63.01	78.55	137.14	155.46	117.34	71.30	55.84	80.71	78.52	53.77	77.95	59.09	31,271.93
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	63.01	78.55	137.14	155.46	117.34	71.30	55.84	80.71	78.52	53.77	77.95	59.09	31,271.93
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-31 Lincoln Creek Entire Length	Total Loading Capacity	543.70	602.92	1,084.67	1,441.79	876.86	660.31	579.03	769.70	723.98	506.02	683.76	525.31	273,540.51
	Reserve Capacity	26.98	29.87	53.61	69.96	43.18	32.91	28.81	38.35	36.09	25.23	34.07	26.11	13,532.87
	Load Allocation	4.10	5.65	12.55	42.76	13.40	2.09	2.88	2.75	2.09	1.47	2.42	3.08	2,895.38
	Background	4.07	5.59	12.45	42.67	13.36	2.08	2.88	2.75	2.09	1.46	2.41	3.06	2,883.16
	Agricultural	0.04	0.05	0.10	0.10	0.04	0.02	8.21E-03	3.74E-03	6.25E-03	5.57E-03	0.01	0.02	12.22
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	512.62	567.41	1,018.51	1,329.07	820.29	625.30	547.34	728.60	685.79	479.33	647.27	496.11	257,112.26
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	512.59	567.30	1,018.33	1,328.71	819.63	624.72	546.87	728.42	685.55	479.10	646.99	496.01	257,008.43
Individual Permits	0.04	0.10	0.19	0.36	0.66	0.58	0.47	0.18	0.24	0.23	0.28	0.10	103.84	
MI-32 Milwaukee River From Estuary to Lincoln Creek	Total Loading Capacity	169.71	195.59	315.20	232.40	241.48	312.59	304.49	383.15	279.25	119.84	267.42	143.44	90,122.52
	Reserve Capacity	8.44	9.73	15.66	11.27	11.90	15.55	15.20	19.13	13.94	5.97	13.34	7.14	4,477.08
	Load Allocation	4.18	7.18	12.55	12.79	6.29	2.97	1.47	1.48	0.71	0.56	1.64	2.27	1,644.45
	Background	0.87	1.01	1.93	7.07	3.39	1.61	0.40	0.62	0.50	0.39	0.62	0.72	580.96
	Agricultural	3.31	6.17	10.63	5.71	2.90	1.36	1.07	0.86	0.21	0.18	1.02	1.56	1,063.48
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	157.09	178.68	286.98	208.35	223.29	294.07	287.82	362.54	264.60	113.31	252.44	134.03	84,001.00
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	150.59	173.15	281.89	207.26	219.40	285.13	278.87	355.79	262.17	112.37	247.58	130.20	82,213.21
Individual Permits	6.50	5.53	5.10	1.09	3.89	8.94	8.95	6.75	2.44	0.94	4.86	3.83	1,787.79	

Table A.13 (MI) - Monthly Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-1 Upper Milwaukee River From Campbellsport to Headwaters	Total Loading Capacity	31,806.79	39,541.61	68,686.22	73,549.21	63,010.71	38,684.98	25,785.18	18,334.64	21,486.84	25,525.91	30,295.10	26,352.14	463,059.34	
	Reserve Capacity	1,410.32	1,782.00	2,213.10	2,520.82	2,724.75	1,552.67	1,115.46	849.69	973.35	1,174.02	1,434.06	1,230.59	18,980.84	
	Load Allocation	29,543.50	37,270.49	65,389.78	69,037.88	58,449.31	35,509.30	21,103.59	15,960.50	18,345.66	22,201.24	27,573.21	24,307.35	424,691.80	
	Background	3,433.19	3,756.21	23,529.74	21,451.34	7,715.28	6,702.18	656.06	424.56	592.96	616.88	1,192.31	1,664.16	71,734.87	
	Agricultural	25,577.66	32,958.13	40,403.35	43,727.26	43,208.17	19,735.34	11,869.52	7,570.44	9,989.92	14,784.64	22,162.18	21,518.05	293,504.67	
	Non-Permitted Urban	532.65	556.15	1,456.69	3,859.28	7,525.87	9,071.77	8,578.00	7,965.50	7,762.78	6,799.73	4,218.72	1,125.13	59,452.27	
	Wasteload Allocation	852.97	489.12	1,083.34	1,990.51	1,836.64	1,623.02	3,566.13	1,524.45	2,167.83	2,150.64	1,287.83	814.21	19,386.69	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	167.12	145.37	894.40	1,681.38	800.40	929.46	2,819.88	916.30	1,426.89	1,428.56	421.60	76.23	11,707.60	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	685.85	343.75	188.94	309.13	1,036.24	693.56	746.24	608.15	740.94	722.08	866.23	737.97	7,679.09		
MI-2 Upper Milwaukee River From Kewaskum to Campbellsport and Auburn	Total Loading Capacity	19,922.92	23,991.25	37,308.75	38,655.25	34,055.67	20,913.87	15,392.71	12,651.41	17,822.87	13,826.03	18,667.55	18,619.56	271,827.84	
	Reserve Capacity	862.69	1,067.44	1,533.88	805.77	1,042.71	760.43	644.07	475.38	761.17	636.84	858.91	848.76	10,298.03	
	Load Allocation	17,157.87	21,535.86	34,146.55	36,075.31	30,497.28	17,822.39	11,944.17	8,809.86	13,935.40	11,570.16	15,453.16	15,807.91	234,755.91	
	Background	2,436.15	2,502.52	6,270.88	21,335.74	11,889.34	4,401.67	677.11	448.95	680.26	616.79	1,035.36	1,536.70	53,831.49	
	Agricultural	13,664.01	17,911.84	25,547.21	12,042.70	12,819.81	6,842.86	4,198.81	2,348.58	4,154.52	5,054.60	9,641.59	11,991.79	126,218.32	
	Non-Permitted Urban	1,057.70	1,121.50	2,328.46	2,696.87	5,788.13	6,577.86	7,068.24	6,012.33	9,100.63	5,898.76	4,776.22	2,279.42	54,706.11	
	Wasteload Allocation	1,902.36	1,387.95	1,628.32	1,774.17	2,515.68	2,331.05	2,804.48	3,366.17	3,126.30	1,619.04	2,355.48	1,962.90	26,773.89	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	232.98	139.94	360.28	1,204.18	1,312.20	1,303.66	1,834.20	2,694.91	1,919.24	472.52	453.94	107.73	12,035.80	
	MS4	49.22	52.19	108.35	125.49	269.33	306.08	328.90	279.77	423.47	274.48	222.25	106.07	2,545.59	
Individual Permits	1,620.16	1,195.82	1,159.69	444.51	934.14	721.31	641.38	391.50	783.59	872.03	1,679.28	1,749.10	12,192.51		
MI-3 West Branch Milwaukee River Entire Length	Total Loading Capacity	29,575.44	37,474.88	67,197.03	71,917.18	62,996.19	34,428.05	23,559.63	15,353.28	21,595.68	24,888.41	30,060.27	26,125.28	445,171.33	
	Reserve Capacity	1,340.98	1,728.27	2,548.36	2,591.70	2,795.17	1,423.98	1,022.98	669.65	993.24	1,154.97	1,437.33	1,236.71	18,943.34	
	Load Allocation	27,982.64	35,596.16	63,841.48	67,809.47	59,304.13	31,850.98	19,901.69	13,035.57	19,383.93	22,397.20	28,185.04	24,795.90	414,084.19	
	Background	2,504.60	2,759.62	15,424.51	18,571.57	6,205.34	4,805.51	475.60	320.47	523.02	461.16	880.88	1,299.73	54,231.99	
	Agricultural	24,968.82	32,312.42	46,958.05	45,718.39	45,586.11	18,980.95	11,091.43	6,133.41	10,423.90	15,311.72	23,277.98	22,395.04	303,158.21	
	Non-Permitted Urban	509.22	524.12	1,458.93	3,519.51	7,512.68	8,064.52	8,334.66	6,581.69	8,437.01	6,624.32	4,026.19	1,101.13	56,693.99	
	Wasteload Allocation	251.82	150.45	807.19	1,516.00	896.89	1,153.09	2,634.97	1,648.06	1,218.52	1,336.24	437.90	92.67	12,143.80	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	251.18	149.79	805.36	1,511.59	887.46	1,142.96	2,624.51	1,639.80	1,207.93	1,327.93	432.85	91.29	12,072.63	
	MS4	0.64	0.66	1.83	4.42	9.43	10.12	10.46	8.26	10.59	8.32	5.05	1.38	71.17	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-		
MI-4 Kewaskum Creek Entire Length	Total Loading Capacity	5,589.88	7,286.35	13,492.03	14,788.55	13,093.13	7,291.32	5,439.36	3,529.74	4,489.41	5,654.84	6,296.10	5,472.73	92,423.45	
	Reserve Capacity	255.91	337.89	562.96	585.45	581.02	290.53	226.10	158.12	206.09	256.00	298.05	258.03	4,016.14	
	Load Allocation	5,286.74	6,904.93	12,608.74	13,639.96	12,060.20	6,549.76	4,286.60	2,967.74	3,898.21	4,860.22	5,777.15	5,148.46	83,988.71	
	Background	440.16	500.67	1,963.36	2,632.65	1,209.58	1,202.50	162.22	108.41	149.29	150.54	213.67	278.75	9,011.81	
	Agricultural	4,671.00	6,230.30	10,076.86	9,710.16	8,743.19	3,417.76	2,209.26	1,241.19	1,888.00	2,987.36	4,453.51	4,503.64	60,132.23	
	Non-Permitted Urban	175.58	173.96	568.53	1,297.15	2,107.43	1,929.49	1,915.11	1,618.14	1,860.92	1,722.32	1,109.97	366.07	14,844.68	
	Wasteload Allocation	47.23	43.53	320.32	563.14	451.91	451.04	926.67	403.87	385.11	538.62	220.91	66.24	4,418.60	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	
	General Permits - Other	31.51	27.95	269.39	446.94	263.12	278.19	755.10	258.92	218.41	384.33	121.48	33.45	3,088.78	
	MS4	15.73	15.58	50.93	116.20	188.79	172.85	171.56	144.96	166.71	154.29	99.43	32.79	1,329.82	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-		

Table A.13 (MI) - Monthly Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-5 Watercress Creek and East Branch Milwaukee River Entire Length	Total Loading Capacity	29,804.42	36,973.63	55,325.07	65,688.21	46,232.00	27,437.51	19,209.53	12,772.10	18,406.36	18,127.65	25,500.63	27,367.30	382,844.43	
	Reserve Capacity	1,155.45	1,529.42	1,966.31	818.82	1,714.58	752.37	716.48	439.87	700.94	771.63	1,089.00	1,146.13	12,801.02	
	Load Allocation	28,319.36	35,253.92	52,780.84	63,128.28	43,580.99	25,116.19	15,738.56	9,881.54	15,176.88	16,685.80	23,760.26	26,095.65	355,518.27	
	Background	6,370.42	6,200.02	15,430.59	47,578.84	11,032.57	10,840.70	2,149.20	1,540.74	1,884.36	2,046.62	3,088.15	4,328.96	112,491.17	
	Agricultural	20,340.76	27,274.89	33,974.68	12,683.13	22,597.34	7,460.01	5,283.70	2,476.86	4,474.74	7,032.24	14,089.20	18,342.64	176,030.20	
	Non-Permitted Urban	1,608.18	1,779.01	3,375.57	2,866.30	9,951.08	6,815.49	8,305.66	5,863.94	8,817.78	7,606.94	6,582.91	3,424.05	66,996.90	
	Wasteload Allocation	329.61	190.30	577.91	1,741.11	936.44	1,568.95	2,754.49	2,450.68	2,528.55	670.22	651.37	125.52	14,525.15	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	324.99	185.19	568.23	1,732.89	907.88	1,549.40	2,730.65	2,433.86	2,503.25	648.39	632.49	115.70	14,332.91	
	MS4	4.61	5.10	9.69	8.22	28.55	19.56	23.83	16.83	25.30	21.83	18.89	9.82	192.23	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-6 Quaas Creek and Milwaukee River Near West Bend	Total Loading Capacity	50,451.98	57,574.67	75,591.69	75,706.75	79,531.97	72,548.75	61,811.93	56,055.76	55,836.97	52,215.36	52,586.35	50,015.20	739,927.37	
	Reserve Capacity	2,432.28	2,772.98	3,344.88	3,156.64	3,701.29	3,278.21	2,678.66	2,629.94	2,623.73	2,400.10	2,521.75	2,431.08	33,971.52	
	Load Allocation	25,111.79	32,532.79	43,729.82	39,764.00	33,590.25	27,673.90	18,348.89	16,961.83	16,434.08	16,199.00	18,842.21	21,195.65	310,384.22	
	Background	1,510.76	1,732.74	6,364.77	8,547.29	3,398.37	4,153.75	603.50	413.83	549.64	597.67	784.06	974.44	29,630.82	
	Agricultural	18,921.79	25,452.74	28,420.81	19,712.65	14,222.26	7,481.31	3,944.27	2,204.70	1,928.62	3,651.66	7,964.98	13,381.09	147,286.89	
	Non-Permitted Urban	4,679.24	5,347.31	8,944.24	11,504.06	15,969.61	16,038.84	13,801.12	14,343.29	13,955.83	11,949.68	10,093.17	6,840.13	133,466.51	
	Wasteload Allocation	22,907.91	22,268.90	28,516.99	32,786.11	42,240.43	41,596.64	40,784.38	36,464.00	36,779.16	33,616.25	31,222.40	26,388.47	395,571.62	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	295.55	382.42	2,329.33	4,026.73	2,107.84	2,830.84	7,635.15	3,043.12	2,812.77	3,615.69	1,367.37	419.24	30,866.06	
	MS4	9,074.44	10,370.02	17,345.54	22,309.79	30,969.82	31,104.08	26,764.47	27,815.91	27,064.49	23,173.97	19,573.66	13,265.04	258,831.23	
Individual Permits	13,537.91	11,516.46	8,842.12	6,449.59	9,162.77	7,661.72	6,384.75	5,604.97	6,901.90	6,826.59	10,281.36	12,704.20	105,874.34		
MI-7 Myra Creek and Milwaukee River From North Branch Milwaukee River to West Bend	Total Loading Capacity	17,010.09	20,925.88	33,676.47	36,850.96	33,431.69	20,629.65	15,026.93	10,895.43	14,838.36	13,248.06	17,091.78	16,951.70	250,576.99	
	Reserve Capacity	748.44	937.22	1,163.38	1,012.91	1,338.07	692.82	597.50	402.54	607.83	601.02	784.49	781.52	9,667.73	
	Load Allocation	15,373.31	19,323.14	31,586.74	33,758.66	29,665.32	17,527.75	11,146.42	7,527.43	11,335.97	11,257.29	14,856.73	15,260.91	218,619.67	
	Background	1,756.86	1,974.22	9,836.61	14,945.46	5,324.71	5,076.42	485.78	319.85	503.33	486.93	797.23	1,162.67	42,670.07	
	Agricultural	12,618.00	16,303.84	19,875.51	15,205.74	16,706.35	6,293.58	4,030.26	2,033.34	3,584.67	5,265.39	9,762.54	11,966.14	123,645.37	
	Non-Permitted Urban	998.45	1,045.08	1,874.62	3,607.45	7,634.25	6,157.76	6,630.38	5,174.25	7,247.97	5,504.97	4,296.97	2,132.10	52,304.24	
	Wasteload Allocation	888.34	665.52	926.34	2,079.39	2,428.31	2,409.08	3,283.02	2,965.45	2,894.56	1,389.75	1,450.56	909.26	22,289.59	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	284.50	207.20	572.24	1,647.29	1,345.67	1,696.89	2,591.22	2,524.73	2,178.48	740.77	604.85	158.55	14,552.40	
	MS4	43.60	45.64	81.86	157.53	333.37	268.89	289.53	225.95	316.50	240.39	187.64	93.10	2,283.99	
Individual Permits	560.24	412.68	272.24	274.57	749.27	443.30	402.26	214.78	399.58	408.59	658.08	657.60	5,453.20		
MI-8 North Branch Milwaukee River From Adell Tributary to Headwaters	Total Loading Capacity	6,049.49	7,149.22	10,098.33	12,319.91	8,902.32	4,763.33	3,540.45	2,491.65	3,070.76	3,038.03	5,642.51	5,887.11	72,953.10	
	Reserve Capacity	275.22	327.69	453.61	375.86	380.15	201.56	160.61	107.00	127.89	141.88	264.45	271.54	3,087.44	
	Load Allocation	5,091.03	6,290.77	8,962.38	11,222.41	7,479.85	3,668.25	2,599.62	1,732.40	1,987.66	2,242.36	4,215.29	4,877.97	60,370.00	
	Background	518.69	570.93	959.07	4,558.51	1,134.37	509.47	172.83	96.55	110.38	126.67	267.21	432.97	9,457.67	
	Agricultural	4,407.19	5,547.08	7,656.40	5,830.88	4,886.71	1,962.48	1,200.85	641.73	776.48	1,214.02	3,115.26	4,038.56	41,277.67	
	Non-Permitted Urban	165.15	172.76	346.90	833.02	1,458.76	1,196.30	1,225.94	994.11	1,100.80	901.67	832.82	406.44	9,634.67	
	Wasteload Allocation	683.24	530.76	682.35	721.63	1,042.32	893.52	780.22	652.25	955.21	653.79	1,162.78	737.60	9,495.65	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	26.46	24.50	67.13	244.14	164.90	222.71	155.43	255.09	402.66	73.75	86.38	23.43	1,746.59	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	656.78	506.25	615.21	477.49	877.42	670.81	624.79	397.16	552.55	580.04	1,076.40	714.17	7,749.06		

Table A.13 (MI) - Monthly Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-9 Adell Tributary Entire Length	Total Loading Capacity	8,577.78	9,527.84	11,352.25	12,939.72	10,462.65	8,114.19	6,959.75	6,208.28	6,357.26	6,359.38	8,144.82	8,243.89	103,247.81	
	Reserve Capacity	411.71	456.85	530.54	459.96	481.50	385.35	338.54	298.33	300.07	311.65	397.47	398.27	4,770.25	
	Load Allocation	6,324.32	7,725.70	9,501.59	11,158.78	7,973.11	5,488.54	4,533.71	3,946.37	3,724.44	3,842.57	4,938.88	5,789.60	74,947.60	
	Background	324.24	372.68	693.59	3,553.47	705.10	235.71	73.89	37.22	42.75	71.31	133.72	261.62	6,505.29	
	Agricultural	5,775.10	7,121.18	8,431.03	6,682.99	5,678.58	3,278.77	2,182.37	1,473.42	1,448.33	2,100.13	3,744.72	4,984.40	52,901.04	
	Non-Permitted Urban	224.97	231.84	376.98	922.32	1,589.43	1,974.06	2,277.45	2,435.73	2,233.36	1,671.13	1,060.43	543.58	15,541.27	
	Wasteload Allocation	1,841.76	1,345.29	1,320.11	1,320.98	2,008.05	2,240.31	2,087.50	1,963.58	2,332.75	2,205.16	2,808.47	2,056.02	23,529.96	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	19.38	18.24	47.79	186.95	127.65	171.42	115.02	204.46	313.16	54.99	61.64	16.85	1,337.56	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	1,822.37	1,327.05	1,272.32	1,134.02	1,880.40	2,068.88	1,972.48	1,759.12	2,019.59	2,150.16	2,746.83	2,039.17	22,192.40		
MI-10 Chambers Creek, Batavia Creek, and North Branch Milwaukee River Near Sherman	Total Loading Capacity	16,692.84	20,193.52	27,726.65	35,002.53	24,765.59	14,396.41	10,837.71	7,244.07	8,288.00	8,602.86	15,439.36	16,483.56	205,673.10	
	Reserve Capacity	768.90	937.66	1,266.80	1,132.56	1,106.68	624.63	498.10	316.15	339.15	411.84	727.70	769.64	8,899.82	
	Load Allocation	15,847.21	19,185.40	26,260.32	33,091.03	23,203.21	13,061.28	9,849.82	6,153.39	6,687.05	8,103.78	14,436.92	15,648.34	191,527.75	
	Background	1,238.02	1,369.86	2,191.18	11,572.38	2,176.23	1,193.35	385.83	146.61	243.14	278.74	610.63	1,025.23	22,431.19	
	Agricultural	14,074.13	17,277.24	22,988.86	18,790.98	15,791.19	7,224.01	4,627.64	2,399.89	2,832.94	4,593.82	10,955.18	13,295.43	134,851.32	
	Non-Permitted Urban	535.06	538.31	1,080.28	2,727.68	5,235.79	4,643.92	4,836.35	3,606.89	3,610.96	3,231.23	2,871.11	1,327.68	34,245.25	
	Wasteload Allocation	76.73	70.45	199.53	778.94	455.70	710.50	489.79	774.53	1,261.80	87.23	274.74	65.58	5,245.53	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	76.73	70.45	199.53	778.94	455.70	710.50	489.79	774.53	1,261.80	87.23	274.74	65.58	5,245.53	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-11 Melius Creek Entire Length	Total Loading Capacity	7,169.14	7,908.54	9,334.28	10,580.07	8,576.41	6,702.89	5,726.05	5,142.10	5,260.34	5,338.08	6,771.31	6,866.40	85,375.60	
	Reserve Capacity	339.56	374.90	427.12	378.32	380.76	310.91	275.55	246.19	247.96	258.04	326.35	327.33	3,892.99	
	Load Allocation	5,176.22	6,331.73	7,738.33	9,010.67	6,448.07	4,426.74	3,613.48	3,145.21	2,962.78	3,080.63	3,940.53	4,694.66	60,569.05	
	Background	364.25	397.58	758.33	2,883.51	872.79	367.46	135.52	76.71	88.01	137.71	200.97	307.67	6,590.53	
	Agricultural	4,644.15	5,755.15	6,687.12	5,395.52	4,389.68	2,566.14	1,746.41	1,197.10	1,169.40	1,685.54	2,958.83	3,987.90	42,182.95	
	Non-Permitted Urban	167.82	179.00	292.87	731.63	1,185.60	1,493.14	1,731.54	1,871.39	1,705.36	1,257.37	780.73	399.10	11,795.57	
	Wasteload Allocation	1,653.36	1,201.91	1,168.83	1,191.08	1,747.58	1,965.23	1,837.03	1,750.70	2,049.60	1,999.40	2,504.43	1,844.40	20,913.56	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	13.79	13.03	33.53	130.12	88.40	117.16	79.56	141.54	213.07	39.53	43.33	12.09	925.17	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	1,639.57	1,188.87	1,135.30	1,060.96	1,659.18	1,848.07	1,757.47	1,609.16	1,836.52	1,959.87	2,461.10	1,832.31	19,988.39		
MI-12 Mink Creek Entire Length	Total Loading Capacity	11,211.25	13,347.29	19,322.40	24,042.29	17,270.23	8,609.24	6,055.85	3,401.15	5,013.66	5,077.73	10,487.64	11,085.81	134,924.56	
	Reserve Capacity	512.44	614.82	877.93	780.13	755.55	366.60	275.04	144.16	209.76	236.67	493.67	513.99	5,780.76	
	Load Allocation	10,658.07	12,694.78	18,342.64	22,884.88	16,266.84	7,897.97	5,537.21	2,856.85	4,183.51	4,723.59	9,856.55	10,535.72	126,438.61	
	Background	921.79	1,013.11	1,662.01	8,062.42	1,911.48	932.63	311.42	117.77	198.02	226.86	476.77	769.97	16,604.24	
	Agricultural	9,429.03	11,391.66	16,092.30	13,311.22	11,420.96	4,676.16	2,879.50	1,241.00	1,924.85	2,790.37	7,637.04	8,974.66	91,768.74	
	Non-Permitted Urban	307.26	290.02	588.33	1,511.24	2,934.40	2,289.17	2,346.30	1,498.09	2,060.64	1,706.36	1,742.74	791.09	18,065.64	
	Wasteload Allocation	40.74	37.68	101.83	377.28	247.85	344.68	243.60	400.14	620.39	117.48	137.42	36.10	2,705.19	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	40.74	37.68	101.83	377.28	247.85	344.68	243.60	400.14	620.39	117.48	137.42	36.10	2,705.19	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.13 (MI) - Monthly Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-13 Stony Creek, Wallace Creek, and North Branch Milwaukee River Near Farmington	Total Loading Capacity	32,238.36	39,079.77	58,236.89	68,891.22	56,916.06	29,303.37	22,249.89	15,139.15	19,483.23	18,809.69	30,301.66	31,728.16	422,377.44	
	Reserve Capacity	1,451.64	1,783.94	2,628.55	1,917.24	2,383.32	1,184.45	956.93	559.96	801.56	879.65	1,413.07	1,464.86	17,425.18	
	Load Allocation	30,484.97	37,093.41	55,177.85	65,078.21	52,311.07	26,422.95	19,247.87	10,986.77	15,858.42	17,391.31	28,230.54	30,088.03	388,371.39	
	Background	2,903.97	3,198.61	5,235.66	28,651.13	7,029.01	3,919.21	1,067.02	348.13	629.62	678.56	1,382.76	2,256.01	57,299.70	
	Agricultural	26,309.64	32,633.17	47,220.88	31,731.41	33,956.93	13,314.77	8,111.41	3,835.23	6,052.09	9,335.83	20,312.42	24,914.17	257,727.95	
	Non-Permitted Urban	1,271.35	1,261.62	2,721.31	4,695.67	11,325.13	9,188.98	10,069.44	6,803.41	9,176.71	7,376.92	6,535.36	2,917.85	73,343.74	
	Wasteload Allocation	301.75	202.42	430.49	1,895.77	2,221.67	1,695.96	2,045.09	3,592.42	2,823.24	538.73	658.05	175.27	16,580.87	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	301.64	202.31	430.24	1,895.34	2,220.63	1,695.12	2,044.17	3,591.80	2,822.40	538.05	657.45	175.00	16,574.16	
	MS4	0.12	0.12	0.25	0.43	1.04	0.84	0.92	0.62	0.84	0.68	0.60	0.27	6.71	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-14 Silver Creek Entire Length	Total Loading Capacity	12,859.07	15,189.34	21,438.43	25,750.43	19,052.36	11,104.47	9,064.90	6,818.06	8,287.52	7,553.18	12,694.64	12,670.39	162,482.79	
	Reserve Capacity	594.57	705.57	974.46	762.34	818.92	439.91	381.45	260.40	246.45	352.90	588.73	592.74	6,718.44	
	Load Allocation	11,159.11	13,554.52	19,177.08	22,812.07	16,286.10	8,312.06	6,732.56	4,624.42	4,257.40	6,124.96	10,147.24	10,978.70	134,166.23	
	Background	800.77	915.01	1,561.20	8,853.65	1,605.77	583.92	174.97	90.22	103.11	120.80	325.13	644.55	15,779.10	
	Agricultural	9,203.09	11,559.29	15,606.64	10,317.06	8,339.01	2,867.72	1,776.76	857.32	844.66	2,040.43	5,647.99	7,995.84	77,055.80	
	Non-Permitted Urban	1,155.25	1,080.22	2,009.24	3,641.36	6,341.32	4,860.42	4,780.84	3,676.88	3,309.63	3,963.73	4,174.12	2,338.32	41,331.33	
	Wasteload Allocation	1,105.39	929.24	1,286.90	2,176.01	1,947.33	2,352.50	1,950.89	1,933.23	3,783.67	1,075.32	1,958.68	1,098.95	21,598.12	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	166.80	162.83	388.13	1,649.93	1,068.12	1,722.31	1,261.00	1,519.87	3,255.45	374.35	595.00	171.08	12,334.87	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	938.59	766.41	898.77	526.08	879.21	630.19	689.90	413.37	528.22	700.97	1,363.68	927.87	9,263.26		
MI-15 Milwaukee River Near Fredonia	Total Loading Capacity	16,330.88	20,346.43	31,732.53	26,547.20	35,208.47	17,909.08	15,258.68	12,674.72	20,938.23	15,078.79	16,632.98	15,313.79	243,971.79	
	Reserve Capacity	773.16	970.10	1,499.80	917.38	1,578.71	798.33	706.50	568.72	918.38	730.59	790.26	728.28	10,980.20	
	Load Allocation	13,380.11	17,539.21	27,710.35	23,260.50	29,391.94	13,795.98	11,508.73	9,404.28	14,581.39	11,687.51	12,408.68	12,420.05	197,088.74	
	Background	716.07	800.44	1,408.08	6,980.80	2,468.72	702.66	204.97	112.69	128.52	147.71	338.46	589.19	14,598.30	
	Agricultural	11,280.40	15,354.95	23,455.83	12,253.68	16,008.56	5,200.35	3,301.81	1,878.11	3,040.11	3,997.74	6,971.38	9,197.45	111,940.37	
	Non-Permitted Urban	1,383.65	1,383.82	2,846.44	4,026.03	10,914.66	7,892.97	8,001.95	7,413.48	11,412.76	7,542.05	5,098.84	2,633.41	70,550.06	
	Wasteload Allocation	2,177.60	1,837.13	2,522.38	2,369.32	4,237.82	3,314.78	3,043.46	2,701.72	5,438.46	2,660.69	3,434.04	2,165.46	35,902.86	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	151.52	144.09	328.49	1,218.80	1,165.58	1,239.92	923.80	1,187.69	2,442.07	319.33	489.39	158.91	9,769.59	
	MS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Individual Permits	2,026.08	1,693.04	2,193.89	1,150.53	3,072.23	2,074.86	2,119.66	1,514.03	2,996.39	2,341.36	2,944.65	2,006.55	26,133.27		
MI-16 Milwaukee River Near Saukville	Total Loading Capacity	22,644.08	25,639.42	28,756.15	32,026.37	23,422.13	24,395.87	20,812.94	18,852.07	18,185.16	15,553.27	21,251.99	20,007.68	271,547.13	
	Reserve Capacity	1,073.76	1,236.54	1,261.25	1,189.56	1,013.43	1,111.27	929.00	817.56	771.62	760.48	1,016.67	976.86	12,158.00	
	Load Allocation	17,585.78	21,528.93	24,332.90	26,004.99	17,095.27	15,881.27	12,704.87	10,984.93	9,732.90	9,853.16	13,611.15	14,867.95	194,184.10	
	Background	898.45	753.16	3,160.67	6,836.88	2,015.20	467.35	164.88	94.49	66.53	70.90	380.30	379.61	15,288.43	
	Agricultural	15,873.98	19,722.25	19,640.39	15,696.83	10,259.98	7,302.88	4,440.16	2,883.55	3,061.27	4,845.04	9,687.89	12,717.14	126,131.36	
	Non-Permitted Urban	813.35	1,053.52	1,531.84	3,471.28	4,820.09	8,111.04	8,099.83	8,006.89	6,605.10	4,937.22	3,542.95	1,771.21	52,764.31	
	Wasteload Allocation	3,984.55	2,873.95	3,162.00	4,831.82	5,313.42	7,403.33	7,179.07	7,049.57	7,680.64	4,939.63	6,624.18	4,162.87	65,205.03	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	270.42	155.39	370.49	1,398.31	1,138.23	1,703.15	2,067.99	2,406.38	2,686.32	272.82	538.38	90.87	13,098.74	
	MS4	219.75	284.64	413.87	937.85	1,302.27	2,191.40	2,188.37	2,163.26	1,784.53	1,333.91	957.22	478.54	14,255.60	
Individual Permits	3,494.38	2,433.93	2,377.64	2,495.66	2,872.92	3,508.78	2,922.71	2,479.93	3,209.79	3,332.90	5,128.58	3,593.46	37,850.69		

Table A.13 (MI) - Monthly Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-17 Milwaukee River From Cedar Creek to Saukville	Total Loading Capacity	21,969.87	25,101.85	30,608.83	32,971.85	27,472.01	25,484.19	21,903.13	19,558.70	19,615.07	16,524.75	20,891.18	19,415.58	281,517.02	
	Reserve Capacity	1,013.44	1,189.34	1,256.95	1,119.59	1,271.33	1,143.87	1,017.49	885.66	912.30	798.10	995.83	936.67	12,540.56	
	Load Allocation	12,820.13	16,719.57	21,896.42	23,164.38	14,546.64	10,974.92	7,827.34	5,832.64	5,621.09	5,326.69	8,037.39	9,525.37	142,292.58	
	Background	1,502.45	1,215.03	5,211.60	9,904.22	1,714.05	1,653.83	296.32	232.44	208.33	174.82	653.45	615.53	23,382.06	
	Agricultural	10,561.54	14,532.94	15,393.66	11,301.40	9,842.72	5,700.43	3,714.92	1,899.19	1,891.04	2,620.49	5,322.15	7,631.12	90,411.59	
	Non-Permitted Urban	756.15	971.60	1,291.16	1,958.76	2,989.87	3,620.66	3,816.11	3,701.01	3,521.72	2,531.38	2,061.79	1,278.72	28,498.93	
	Wasteload Allocation	8,136.29	7,192.93	7,455.47	8,687.88	11,654.05	13,365.40	13,058.30	12,840.40	13,081.69	10,399.97	11,857.97	8,953.54	126,683.89	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	198.59	99.92	258.27	675.88	331.40	952.98	1,257.03	1,613.12	1,160.83	388.02	321.21	66.58	7,323.82	
	MS4	1,704.81	2,190.57	2,911.05	4,416.24	6,740.97	8,163.16	8,603.81	8,344.32	7,940.08	5,707.26	4,648.52	2,883.01	64,253.79	
Individual Permits	6,232.90	4,902.45	4,286.15	3,595.77	4,581.68	4,249.25	3,197.47	2,882.97	3,980.78	4,304.68	6,888.24	6,003.95	55,106.28		
MI-18 Cedar Creek From Jackson Creek to Headwaters	Total Loading Capacity	10,634.02	12,460.46	23,816.64	27,005.49	25,870.65	17,544.59	13,438.93	10,880.37	12,183.72	12,731.94	12,315.45	10,614.23	189,496.49	
	Reserve Capacity	481.17	569.01	974.31	1,025.21	1,119.89	701.80	517.11	489.84	540.63	554.21	568.92	494.51	8,036.61	
	Load Allocation	9,412.82	11,170.94	20,370.77	21,114.08	19,071.12	12,046.70	7,024.30	6,121.16	6,995.51	7,558.54	8,907.17	8,791.22	138,584.32	
	Background	928.69	1,019.95	3,667.90	4,944.91	2,679.70	2,722.89	466.32	318.02	436.19	372.14	527.50	636.18	18,720.39	
	Agricultural	7,713.87	9,378.36	14,586.44	12,298.58	10,685.91	4,638.79	2,743.87	1,711.66	2,225.07	3,279.85	5,537.57	6,703.14	81,503.12	
	Non-Permitted Urban	770.27	772.63	2,116.42	3,870.59	5,705.51	4,685.02	3,814.11	4,091.48	4,334.24	3,906.55	2,842.09	1,451.90	38,360.81	
	Wasteload Allocation	740.03	720.51	2,471.56	4,866.21	5,679.63	4,796.09	5,897.52	4,269.37	4,647.58	4,619.19	2,839.36	1,328.50	42,875.56	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	81.84	60.31	662.55	1,556.32	793.14	785.68	2,630.51	765.63	934.87	1,275.60	409.63	87.87	10,043.95	
	MS4	658.19	660.20	1,808.46	3,307.37	4,875.30	4,003.30	3,259.11	3,496.12	3,703.56	3,338.10	2,428.54	1,240.63	32,778.87	
Individual Permits	-	-	0.56	2.52	11.20	7.12	7.90	7.62	9.15	5.49	1.19	-	-	52.74	
MI-19 Lehner Creek Entire Length	Total Loading Capacity	549.13	725.16	1,336.31	1,450.45	1,197.43	674.28	520.11	330.81	415.09	531.99	589.12	524.17	8,844.05	
	Reserve Capacity	24.60	32.98	52.34	52.64	52.74	25.37	20.61	14.43	18.70	23.56	27.56	24.40	369.93	
	Load Allocation	520.19	688.25	1,250.42	1,340.50	1,109.89	611.64	405.64	283.20	368.11	460.87	545.75	495.19	8,079.65	
	Background	52.86	61.84	256.44	341.25	109.33	130.76	15.14	10.09	13.87	14.27	22.78	31.91	1,060.53	
	Agricultural	443.49	602.48	922.14	843.79	750.39	273.91	182.35	98.37	154.44	255.07	397.13	416.06	5,339.60	
	Non-Permitted Urban	23.84	23.93	71.84	155.47	250.18	206.98	208.15	174.75	199.80	191.53	125.84	47.21	1,679.52	
	Wasteload Allocation	4.34	3.94	33.55	57.31	34.80	37.27	93.86	33.18	28.27	47.55	15.81	4.59	394.48	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	4.20	3.81	33.15	56.43	33.38	36.10	92.68	32.19	27.14	46.47	15.10	4.32	384.96	
	MS4	0.13	0.14	0.41	0.88	1.42	1.17	1.18	0.99	1.13	1.08	0.71	0.27	9.51	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-20 Jackson Creek Entire Length	Total Loading Capacity	922.28	1,317.71	2,476.66	2,790.83	2,059.63	1,260.09	1,400.54	814.95	940.28	1,241.66	1,192.74	944.72	17,362.09	
	Reserve Capacity	44.49	64.01	117.94	125.02	97.59	50.08	59.50	37.65	44.32	57.28	57.48	46.10	801.45	
	Load Allocation	808.73	1,172.74	2,081.92	2,086.43	1,407.57	658.27	665.20	376.20	466.56	682.32	826.77	769.74	12,002.46	
	Background	25.29	29.43	68.08	165.49	50.13	58.62	6.34	4.37	4.39	6.30	10.18	14.79	443.41	
	Agricultural	740.81	1,093.02	1,857.19	1,607.44	1,014.59	356.86	333.41	134.77	200.02	391.59	626.50	671.49	9,027.70	
	Non-Permitted Urban	42.63	50.28	156.66	313.50	342.85	242.79	325.44	237.05	262.16	284.43	190.09	83.46	2,531.35	
	Wasteload Allocation	69.06	80.97	276.79	579.38	554.46	551.75	675.84	401.11	429.39	502.06	308.49	128.88	4,558.18	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	7.28	8.10	49.76	125.04	57.59	199.89	204.20	57.56	49.46	89.85	33.00	7.92	889.67	
	MS4	61.78	72.87	227.03	454.34	496.86	351.86	471.64	343.55	379.93	412.21	275.48	120.95	3,668.52	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.13 (MI) - Monthly Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-21 Little Cedar Creek Entire Length	Total Loading Capacity	30,611.29	35,925.10	54,627.36	59,480.42	49,643.07	31,921.94	28,577.19	28,475.30	34,143.99	25,318.62	32,172.26	28,435.74	439,332.28	
	Reserve Capacity	1,469.66	1,706.04	2,001.32	1,947.06	2,163.83	1,408.31	1,309.63	1,245.50	1,602.68	1,208.89	1,553.89	1,381.20	18,998.01	
	Load Allocation	26,472.33	32,619.05	50,241.27	52,689.18	39,875.71	22,872.55	18,542.83	17,265.24	22,037.31	17,453.43	24,250.96	23,715.58	348,035.44	
	Background	1,000.82	1,639.85	13,760.52	18,741.10	5,139.59	2,254.38	151.17	395.17	416.60	268.71	523.97	695.42	44,987.29	
	Agricultural	24,793.23	30,394.49	35,464.65	31,281.43	29,340.03	15,085.60	12,060.40	9,894.98	13,009.27	12,030.19	19,853.72	21,473.26	254,681.26	
	Non-Permitted Urban	678.28	584.70	1,016.10	2,666.65	5,396.10	5,532.57	6,331.26	6,975.09	8,611.44	5,154.53	3,873.27	1,546.90	48,366.89	
	Wasteload Allocation	2,669.31	1,600.01	2,384.77	4,844.17	7,603.52	7,641.08	8,724.73	9,964.56	10,503.99	6,656.30	6,367.42	3,338.97	72,298.83	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	217.32	164.52	840.41	1,798.02	1,226.80	1,501.38	2,233.41	3,170.14	1,673.73	872.18	570.45	116.36	14,384.73	
	MS4	554.38	477.90	830.50	2,179.56	4,410.43	4,521.98	5,174.78	5,701.01	7,038.46	4,212.99	3,165.77	1,264.34	39,532.09	
Individual Permits	1,897.60	957.59	713.86	866.59	1,966.30	1,617.72	1,316.54	1,093.42	1,791.81	1,571.14	2,631.20	1,958.26	18,382.02		
MI-22 Cedar Creek Near Jackson	Total Loading Capacity	13,659.89	16,700.98	29,036.84	31,142.83	28,122.44	16,582.20	11,676.11	8,097.60	11,075.03	11,381.12	13,407.86	12,790.29	203,673.20	
	Reserve Capacity	621.19	759.66	1,106.26	1,097.24	1,273.24	692.13	506.68	375.29	525.50	526.30	639.47	603.61	8,726.57	
	Load Allocation	12,891.36	15,809.29	27,225.68	28,720.45	25,425.37	14,409.06	8,936.79	6,467.28	9,198.71	9,457.14	12,089.10	11,958.32	182,588.55	
	Background	1,172.38	1,451.02	6,422.79	8,359.71	2,165.69	2,196.26	181.45	115.76	159.84	152.88	395.24	653.13	23,426.15	
	Agricultural	11,352.57	14,028.70	19,856.76	18,229.37	19,179.26	8,107.29	4,938.89	2,940.37	4,898.57	6,258.92	9,696.81	10,589.86	130,077.37	
	Non-Permitted Urban	366.41	329.57	946.12	2,131.37	4,080.42	4,105.51	3,816.45	3,411.16	4,140.30	3,045.34	1,997.06	715.33	29,085.03	
	Wasteload Allocation	147.34	132.03	704.90	1,325.14	1,423.83	1,481.02	2,232.64	1,255.03	1,350.82	1,397.68	679.29	228.37	12,358.08	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	63.66	56.76	488.82	838.37	491.93	543.39	1,361.03	475.98	405.25	702.17	223.20	65.00	5,715.57	
	MS4	83.68	75.27	216.08	486.77	931.90	937.63	871.61	779.05	945.57	695.50	456.09	163.37	6,642.51	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-23 Evergreen Creek Near Jackson	Total Loading Capacity	2,280.46	2,967.97	5,499.09	6,040.82	5,169.70	2,822.85	1,990.27	1,272.85	1,611.61	2,155.36	2,550.28	2,268.29	36,629.54	
	Reserve Capacity	107.02	140.44	240.27	254.69	237.37	120.17	86.44	58.38	75.59	100.19	122.83	108.94	1,652.32	
	Load Allocation	2,161.83	2,817.48	5,171.80	5,629.88	4,811.41	2,564.16	1,628.31	1,091.25	1,426.71	1,898.68	2,367.88	2,143.61	33,713.00	
	Background	131.37	152.01	617.96	818.26	350.78	337.58	41.34	27.44	38.14	38.57	59.20	80.52	2,693.17	
	Agricultural	1,998.57	2,634.19	4,433.15	4,516.52	3,930.79	1,617.31	991.69	576.14	876.86	1,393.26	2,039.12	1,991.07	26,998.68	
	Non-Permitted Urban	31.89	31.28	120.69	295.10	529.84	609.27	595.28	487.67	511.71	466.85	269.56	72.03	4,021.16	
	Wasteload Allocation	11.61	10.05	87.02	156.25	120.92	138.52	275.52	123.22	109.31	156.49	59.57	15.74	1,264.21	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	8.64	7.13	75.78	128.78	71.61	81.81	220.11	77.83	61.68	113.04	34.48	9.04	889.93	
	MS4	2.97	2.91	11.23	27.47	49.32	56.71	55.41	45.39	47.63	43.45	25.09	6.70	374.28	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-24 North Branch Cedar Creek and Cedar Creek From Milwaukee River to Myra Creek	Total Loading Capacity	34,864.30	40,375.73	61,567.54	66,351.42	58,922.87	46,503.70	38,487.87	30,282.62	32,550.52	33,140.00	34,890.10	33,494.51	511,431.18	
	Reserve Capacity	1,627.42	1,885.46	2,466.30	2,375.85	2,653.97	2,020.58	1,735.48	1,426.19	1,550.71	1,554.29	1,673.47	1,601.76	22,571.48	
	Load Allocation	25,434.01	32,141.21	51,247.56	52,152.61	39,317.25	27,808.45	18,508.58	13,900.74	15,237.51	16,924.32	20,629.52	22,187.69	335,489.46	
	Background	2,176.56	2,461.57	11,458.35	16,888.03	4,721.87	4,844.85	506.39	352.88	431.02	482.82	867.36	1,302.55	46,494.26	
	Agricultural	21,996.57	28,295.91	36,574.54	29,572.75	25,759.38	13,322.31	8,530.10	4,594.34	5,800.06	9,029.00	14,647.63	18,459.29	216,581.89	
	Non-Permitted Urban	1,260.88	1,383.73	3,214.66	5,691.83	8,836.00	9,641.29	9,472.08	8,953.51	9,006.43	7,412.50	5,114.53	2,425.85	72,413.30	
	Wasteload Allocation	7,802.87	6,349.06	7,853.68	11,822.96	16,951.65	16,674.67	18,243.81	14,955.69	15,762.30	14,661.38	12,587.11	9,705.06	153,370.24	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	139.39	204.95	783.11	1,946.39	1,121.58	1,247.28	3,271.82	1,405.97	1,105.34	1,571.32	553.33	156.76	13,507.22	
	MS4	1,351.03	1,482.66	3,444.49	6,098.76	9,467.72	10,330.59	10,149.29	9,593.64	9,650.34	7,942.45	5,480.20	2,599.29	77,590.47	
Individual Permits	6,312.45	4,661.46	3,626.07	3,777.81	6,362.34	5,096.80	4,822.70	3,956.08	5,006.62	5,147.62	6,553.59	6,949.01	62,272.55		

Table A.13 (MI) - Monthly Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MI-25 Milwaukee River From Pigeon Creek to Cedar Creek	Total Loading Capacity	25,278.85	32,258.44	47,414.84	43,106.76	33,730.14	26,514.84	21,715.94	22,866.10	23,636.64	14,704.57	23,981.85	21,489.49	336,698.45	
	Reserve Capacity	1,173.89	1,516.53	1,979.56	1,358.94	1,500.23	1,209.64	1,039.80	1,110.72	1,164.09	724.47	1,164.01	1,032.08	14,973.95	
	Load Allocation	17,823.08	23,801.77	34,035.59	29,307.22	13,630.28	6,395.11	3,470.55	2,420.73	2,816.29	2,655.82	8,495.13	11,781.56	156,633.14	
	Background	1,800.47	1,927.02	7,821.79	15,921.67	3,721.51	2,315.91	912.93	639.45	347.13	213.41	699.24	847.13	37,167.66	
	Agricultural	16,017.29	21,868.88	26,204.15	13,375.02	9,893.03	4,063.21	2,543.06	1,764.92	2,452.53	2,432.83	7,783.77	10,927.09	119,325.78	
	Non-Permitted Urban	5.32	5.87	9.65	10.52	15.74	16.00	14.56	16.35	16.63	9.58	12.12	7.34	139.69	
	Wasteload Allocation	6,281.88	6,940.13	11,399.70	12,440.60	18,599.63	18,910.09	17,205.58	19,334.66	19,656.26	11,324.27	14,322.71	8,675.85	165,091.35	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.65	0.76	1.90	6.25	4.11	6.21	6.92	12.23	7.73	1.74	2.41	0.80	51.70	
	MS4	6,281.23	6,939.37	11,397.79	12,434.35	18,595.52	18,903.88	17,198.66	19,322.42	19,648.53	11,322.53	14,320.30	8,675.05	165,039.65	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-26 Pigeon Creek Entire Length	Total Loading Capacity	8,774.09	11,313.62	18,981.61	20,839.66	15,510.89	8,438.16	6,410.15	8,254.26	9,498.43	6,823.46	9,445.71	7,219.96	131,510.01	
	Reserve Capacity	416.30	527.23	672.01	669.89	635.95	356.55	317.95	402.76	460.61	331.70	456.16	342.22	5,589.34	
	Load Allocation	5,453.90	8,137.81	14,802.56	14,589.05	7,559.80	3,104.86	1,379.38	1,318.13	1,129.29	1,042.61	2,690.35	3,383.61	64,591.36	
	Background	447.99	769.04	5,541.34	7,441.83	2,791.96	1,307.24	51.15	198.96	286.17	189.51	322.45	375.58	19,723.22	
	Agricultural	5,005.91	7,368.77	9,261.22	7,147.22	4,767.84	1,797.61	1,328.24	1,119.17	843.12	853.10	2,367.90	3,008.03	44,868.14	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	2,903.88	2,648.58	3,507.04	5,580.73	7,315.15	4,976.75	4,712.82	6,533.36	7,908.53	5,449.16	6,299.20	3,494.13	61,329.31	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	2,903.88	2,648.58	3,507.04	5,580.73	7,315.15	4,976.75	4,712.82	6,533.36	7,908.53	5,449.16	6,299.20	3,494.13	61,329.31	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-27 Milwaukee River From Lincoln Creek to Pigeon Creek	Total Loading Capacity	18,758.44	22,599.00	35,684.37	35,664.72	21,651.98	23,428.86	24,195.79	29,775.31	22,028.22	13,859.03	22,553.67	17,469.09	287,668.50	
	Reserve Capacity	917.31	1,095.37	1,633.69	1,540.97	1,001.39	1,120.47	1,201.79	1,476.13	1,090.08	684.25	1,112.82	856.28	13,730.54	
	Load Allocation	5,019.03	8,336.48	14,610.80	13,129.77	4,567.96	2,687.11	1,611.80	1,349.43	583.14	552.48	1,963.69	3,120.53	57,532.22	
	Background	412.23	691.66	3,010.49	4,845.41	1,624.27	1,019.46	160.04	252.76	226.54	174.03	297.28	343.52	13,057.69	
	Agricultural	4,606.80	7,644.82	11,600.31	8,284.36	2,943.69	1,667.65	1,451.76	1,096.66	356.61	378.45	1,666.41	2,777.00	44,474.53	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	12,822.10	13,167.15	19,439.88	20,993.99	16,082.64	19,621.29	21,382.21	26,949.76	20,354.99	12,622.30	19,477.16	13,492.29	216,405.74	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	12,822.10	13,167.15	19,439.88	20,993.99	16,082.64	19,621.29	21,382.21	26,949.76	20,354.99	12,622.30	19,477.16	13,492.29	216,405.74	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-28 Beaver Creek Entire Length	Total Loading Capacity	3,353.02	3,823.42	6,809.97	8,254.26	5,205.54	4,285.62	4,044.51	4,992.46	4,528.29	3,297.21	4,265.30	3,280.18	56,139.77	
	Reserve Capacity	166.46	189.66	336.40	404.79	256.63	213.48	201.31	248.78	225.75	164.37	212.51	163.15	2,783.29	
	Load Allocation	24.58	31.82	84.72	160.99	73.69	16.18	18.38	16.91	13.30	9.82	15.31	17.67	483.37	
	Background	23.73	30.31	81.93	158.55	72.95	16.01	18.26	16.84	13.27	9.77	15.12	17.21	473.96	
	Agricultural	0.85	1.51	2.79	2.43	0.74	0.17	0.12	0.06	0.04	0.05	0.19	0.46	9.41	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	3,161.97	3,601.95	6,388.85	7,688.49	4,875.22	4,055.96	3,824.81	4,726.78	4,289.23	3,123.02	4,037.48	3,099.36	52,873.11	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	3,161.97	3,601.95	6,388.85	7,688.49	4,875.22	4,055.96	3,824.81	4,726.78	4,289.23	3,123.02	4,037.48	3,099.36	52,873.11	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.13 (MI) - Monthly Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MI-29 South Branch Creek Entire Length	Total Loading Capacity	2,509.53	2,929.19	5,212.16	6,205.89	4,108.26	3,024.12	2,770.25	3,489.05	3,238.92	2,344.77	3,125.98	2,425.88	41,384.01
	Reserve Capacity	124.50	145.20	257.09	303.38	202.39	150.58	137.78	173.78	161.43	116.85	155.69	120.59	2,049.27
	Load Allocation	19.49	25.26	70.35	138.21	60.40	12.44	14.60	13.49	10.34	7.73	12.20	14.02	398.55
	Background	19.49	25.26	70.35	138.21	60.40	12.44	14.60	13.49	10.34	7.73	12.20	14.02	398.55
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	2,365.54	2,758.73	4,884.72	5,764.29	3,845.47	2,861.09	2,617.87	3,301.78	3,067.14	2,220.19	2,958.09	2,291.27	38,936.19
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	2,365.54	2,758.73	4,884.72	5,764.29	3,845.47	2,861.09	2,617.87	3,301.78	3,067.14	2,220.19	2,958.09	2,291.27	38,936.19
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-30 Indian Creek Entire Length	Total Loading Capacity	2,062.14	2,590.21	4,606.43	5,386.84	3,947.55	2,316.53	1,821.32	2,610.52	2,544.39	1,745.05	2,532.99	1,935.42	34,099.40
	Reserve Capacity	100.82	125.68	219.42	248.73	187.75	114.09	89.34	129.13	125.64	86.03	124.72	94.55	1,645.89
	Load Allocation	45.84	76.69	218.04	412.24	192.55	34.79	34.43	27.88	31.60	24.55	38.51	44.46	1,181.57
	Background	45.84	76.69	218.04	412.24	192.55	34.79	34.43	27.88	31.60	24.55	38.51	44.46	1,181.57
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	1,915.49	2,387.85	4,168.98	4,725.87	3,567.25	2,167.65	1,697.55	2,453.51	2,387.14	1,634.48	2,369.75	1,796.41	31,271.93
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	1,915.49	2,387.85	4,168.98	4,725.87	3,567.25	2,167.65	1,697.55	2,453.51	2,387.14	1,634.48	2,369.75	1,796.41	31,271.93
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MI-31 Lincoln Creek Entire Length	Total Loading Capacity	16,528.62	18,328.70	32,974.00	43,830.38	26,656.52	20,073.32	17,602.52	23,398.87	22,008.88	15,382.96	20,786.45	15,969.28	273,540.51
	Reserve Capacity	820.25	907.94	1,629.78	2,126.67	1,312.53	1,000.51	875.76	1,165.77	1,097.27	766.93	1,035.66	793.81	13,532.87
	Load Allocation	124.68	171.64	381.44	1,300.05	407.21	63.59	87.66	83.56	63.67	44.55	73.68	93.64	2,895.38
	Background	123.59	170.00	378.37	1,297.04	406.00	63.12	87.41	83.45	63.48	44.38	73.24	93.07	2,883.16
	Agricultural	1.08	1.64	3.07	3.02	1.21	0.47	0.25	0.11	0.19	0.17	0.44	0.57	12.22
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	15,583.69	17,249.13	30,962.78	40,403.66	24,936.78	19,009.21	16,639.10	22,149.53	20,847.95	14,571.49	19,677.11	15,081.83	257,112.26
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	15,582.59	17,246.07	30,957.13	40,392.73	24,916.79	18,991.55	16,624.95	22,144.04	20,840.75	14,564.61	19,668.51	15,078.71	257,008.43
Individual Permits	1.11	3.06	5.65	10.93	19.99	17.67	14.15	5.49	7.19	6.88	8.61	3.12	103.84	
MI-32 Milwaukee River From Estuary to Lincoln Creek	Total Loading Capacity	5,159.05	5,945.82	9,581.95	7,064.94	7,341.13	9,502.83	9,256.53	11,647.64	8,489.32	3,643.16	8,129.46	4,360.71	90,122.52
	Reserve Capacity	256.64	295.76	476.17	342.50	361.90	472.69	462.22	581.44	423.70	181.57	405.54	216.95	4,477.08
	Load Allocation	126.99	218.22	381.58	388.72	191.27	90.44	44.58	44.99	21.66	17.12	49.76	69.13	1,644.45
	Background	26.30	30.66	58.54	215.01	103.05	48.96	12.06	18.85	15.33	11.74	18.70	21.75	580.96
	Agricultural	100.69	187.56	323.04	173.70	88.22	41.47	32.52	26.14	6.32	5.38	31.06	47.38	1,063.48
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	4,775.42	5,431.84	8,724.20	6,333.72	6,787.95	8,939.70	8,749.72	11,021.21	8,043.96	3,444.47	7,674.17	4,074.63	84,001.00
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	4,577.83	5,263.68	8,569.31	6,300.57	6,669.81	8,667.88	8,477.57	10,816.09	7,969.91	3,416.03	7,526.41	3,958.11	82,213.21
Individual Permits	197.59	168.16	154.89	33.15	118.14	271.82	272.15	205.12	74.05	28.44	147.76	116.51	1,787.79	

Table A.14 (MI) - Daily Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily Fecal Coliform Load (billion cells/day)				
		Low	Dry	Mid	Moist	Wet
MI-1 Upper Milwaukee River From Campbellsport to Headwaters	Total Loading Capacity	43.65	114.59	221.22	427.05	1,121.01
	Reserve Capacity	-	-	-	-	-
	Load Allocation	36.54	107.48	214.10	419.93	1,113.90
	Background	0.09	0.55	1.91	6.71	42.24
	Agricultural	14.84	43.52	86.36	168.18	436.16
	Non-Permitted Urban	21.62	63.41	125.83	245.04	635.49
	Wasteload Allocation	7.12	7.12	7.12	7.12	7.12
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	-	-	-	-	-
Individual Permits	7.12	7.12	7.12	7.12	7.12	
MI-2 Upper Milwaukee River From Kewaskum to Campbellsport and Auburn	Total Loading Capacity	29.97	67.59	117.67	204.86	462.10
	Reserve Capacity	-	-	-	-	-
	Load Allocation	18.03	54.49	103.03	187.57	437.23
	Background	0.12	0.56	1.58	4.49	20.79
	Agricultural	4.77	14.35	27.00	48.72	110.82
	Non-Permitted Urban	13.14	39.58	74.45	134.36	305.63
	Wasteload Allocation	11.94	13.10	14.65	17.29	24.87
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	0.58	1.75	3.29	5.94	13.51
Individual Permits	11.36	11.36	11.36	11.36	11.36	
MI-3 West Branch Milwaukee River Entire Length	Total Loading Capacity	36.87	103.92	210.60	426.79	1,203.08
	Reserve Capacity	-	-	-	-	-
	Load Allocation	36.84	103.86	210.47	426.52	1,202.33
	Background	0.07	0.43	1.44	4.79	28.08
	Agricultural	17.03	47.90	96.81	195.31	543.82
	Non-Permitted Urban	19.74	55.53	112.22	226.42	630.43
	Wasteload Allocation	0.02	0.07	0.13	0.27	0.75
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	0.02	0.07	0.13	0.27	0.75
Individual Permits	-	-	-	-	-	
MI-4 Kewaskum Creek Entire Length	Total Loading Capacity	8.08	22.84	46.37	94.16	266.19
	Reserve Capacity	-	-	-	-	-
	Load Allocation	7.70	21.77	44.21	89.78	253.89
	Background	0.03	0.13	0.36	1.03	4.80
	Agricultural	3.22	9.08	18.41	37.25	104.56
	Non-Permitted Urban	4.45	12.56	25.44	51.49	144.53
	Wasteload Allocation	0.38	1.07	2.17	4.38	12.30
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	0.38	1.07	2.17	4.38	12.30
Individual Permits	-	-	-	-	-	

Table A.14 (MI) - Daily Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily Fecal Coliform Load (billion cells/day)				
		Low	Dry	Mid	Moist	Wet
MI-5 Watercress Creek and East Branch Milwaukee River Entire Length	Total Loading Capacity	31.79	84.86	165.70	323.56	863.72
	Reserve Capacity	-	-	-	-	-
	Load Allocation	31.72	84.67	165.34	322.87	861.92
	Background	0.43	1.66	4.17	10.42	40.04
	Agricultural	6.19	16.43	31.91	61.85	162.69
	Non-Permitted Urban	25.09	66.58	129.27	250.60	659.19
	Wasteload Allocation	0.07	0.18	0.35	0.68	1.80
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	0.07	0.18	0.35	0.68	1.80
Individual Permits	-	-	-	-	-	
MI-6 Quaas Creek and Milwaukee River Near West Bend	Total Loading Capacity	156.06	249.42	343.34	472.64	755.40
	Reserve Capacity	-	-	-	-	-
	Load Allocation	7.24	41.33	75.91	124.24	234.60
	Background	0.10	0.45	1.26	3.50	15.75
	Agricultural	0.33	1.89	3.46	5.59	10.13
	Non-Permitted Urban	6.81	38.99	71.20	115.15	208.72
	Wasteload Allocation	148.81	208.09	267.43	348.40	520.79
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	12.55	71.83	131.17	212.14	384.53
Individual Permits	136.26	136.26	136.26	136.26	136.26	
MI-7 Myra Creek and Milwaukee River From North Branch Milwaukee River to West Bend	Total Loading Capacity	26.52	65.34	120.80	223.33	550.19
	Reserve Capacity	-	-	-	-	-
	Load Allocation	22.80	60.47	114.30	213.84	531.32
	Background	0.09	0.41	1.16	3.30	15.29
	Agricultural	5.90	15.60	29.39	54.69	134.05
	Non-Permitted Urban	16.81	44.46	83.75	155.85	381.97
	Wasteload Allocation	3.73	4.87	6.50	9.49	18.87
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	0.70	1.84	3.47	6.47	15.85
Individual Permits	3.03	3.03	3.03	3.03	3.03	
MI-8 North Branch Milwaukee River From Adell Tributary to Headwaters	Total Loading Capacity	6.05	15.62	29.82	56.92	146.95
	Reserve Capacity	-	-	-	-	-
	Load Allocation	4.08	13.65	27.85	54.95	144.98
	Background	0.03	0.12	0.31	0.84	3.58
	Agricultural	1.42	4.73	9.61	18.89	49.36
	Non-Permitted Urban	2.64	8.81	17.93	35.22	92.04
	Wasteload Allocation	1.97	1.97	1.97	1.97	1.97
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	-	-	-	-	-
Individual Permits	1.97	1.97	1.97	1.97	1.97	

Table A.14 (MI) - Daily Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily Fecal Coliform Load (billion cells/day)				
		Low	Dry	Mid	Moist	Wet
MI-9 Adell Tributary Entire Length	Total Loading Capacity	19.58	32.20	45.20	63.44	104.32
	Reserve Capacity	-	-	-	-	-
	Load Allocation	19.58	32.20	45.20	63.44	104.32
	Background	7.62E-03	0.05	0.16	0.56	3.49
	Agricultural	6.76	11.11	15.56	21.73	34.84
	Non-Permitted Urban	12.81	21.04	29.47	41.15	65.99
	Wasteload Allocation	-	-	-	-	-
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4 Individual Permits	-	-	-	-	-
MI-10 Chambers Creek, Batavia Creek, and North Branch Milwaukee River Near Sherman	Total Loading Capacity	13.20	38.67	80.43	167.28	489.86
	Reserve Capacity	-	-	-	-	-
	Load Allocation	13.20	38.67	80.43	167.28	489.86
	Background	0.06	0.27	0.71	1.91	8.13
	Agricultural	4.35	12.70	26.36	54.69	159.31
	Non-Permitted Urban	8.80	25.70	53.35	110.67	322.41
	Wasteload Allocation	-	-	-	-	-
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4 Individual Permits	-	-	-	-	-
MI-11 Melius Creek Entire Length	Total Loading Capacity	16.50	26.66	36.97	51.27	82.85
	Reserve Capacity	-	-	-	-	-
	Load Allocation	16.50	26.66	36.97	51.27	82.85
	Background	0.02	0.09	0.24	0.65	2.89
	Agricultural	5.84	9.42	13.03	17.95	28.36
	Non-Permitted Urban	10.63	17.15	23.71	32.67	51.61
	Wasteload Allocation	-	-	-	-	-
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4 Individual Permits	-	-	-	-	-
MI-12 Mink Creek Entire Length	Total Loading Capacity	8.23	25.05	53.48	114.19	347.55
	Reserve Capacity	-	-	-	-	-
	Load Allocation	8.23	25.05	53.48	114.19	347.55
	Background	0.05	0.21	0.55	1.46	6.07
	Agricultural	3.46	10.51	22.40	47.71	144.51
	Non-Permitted Urban	4.72	14.33	30.53	65.02	196.97
	Wasteload Allocation	-	-	-	-	-
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4 Individual Permits	-	-	-	-	-

Table A.14 (MI) - Daily Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily Fecal Coliform Load (billion cells/day)				
		Low	Dry	Mid	Moist	Wet
MI-13 Stony Creek, Wallace Creek, and North Branch Milwaukee River Near Farmington	Total Loading Capacity	31.49	87.74	176.37	354.56	987.71
	Reserve Capacity	-	-	-	-	-
	Load Allocation	31.49	87.73	176.36	354.54	987.65
	Background	0.13	0.61	1.72	4.90	22.75
	Agricultural	10.01	27.82	55.76	111.63	308.06
	Non-Permitted Urban	21.35	59.31	118.88	238.00	656.84
	Wasteload Allocation	1.86E-03	5.16E-03	0.01	0.02	0.06
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	1.86E-03	5.16E-03	0.01	0.02	0.06
Individual Permits	-	-	-	-	-	
MI-14 Silver Creek Entire Length	Total Loading Capacity	17.40	40.18	71.07	125.71	290.22
	Reserve Capacity	-	-	-	-	-
	Load Allocation	10.61	33.38	64.27	118.91	283.42
	Background	0.02	0.12	0.38	1.18	6.33
	Agricultural	1.43	4.49	8.62	15.88	37.37
	Non-Permitted Urban	9.16	28.78	55.28	101.85	239.72
	Wasteload Allocation	6.80	6.80	6.80	6.80	6.80
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	-	-	-	-	-
Individual Permits	6.80	6.80	6.80	6.80	6.80	
MI-15 Milwaukee River Near Fredonia	Total Loading Capacity	17.47	39.98	70.29	123.60	282.91
	Reserve Capacity	-	-	-	-	-
	Load Allocation	8.38	30.89	61.21	114.51	273.82
	Background	0.03	0.14	0.39	1.10	5.12
	Agricultural	1.35	4.98	9.84	18.36	43.49
	Non-Permitted Urban	7.00	25.78	50.98	95.06	225.21
	Wasteload Allocation	9.08	9.08	9.08	9.08	9.08
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	-	-	-	-	-
Individual Permits	9.08	9.08	9.08	9.08	9.08	
MI-16 Milwaukee River Near Saukville	Total Loading Capacity	47.42	83.65	123.16	181.33	319.86
	Reserve Capacity	-	-	-	-	-
	Load Allocation	20.45	52.60	87.68	139.38	262.94
	Background	0.01	0.08	0.29	1.04	6.68
	Agricultural	10.32	26.53	44.15	69.88	129.45
	Non-Permitted Urban	10.11	25.99	43.25	68.46	126.82
	Wasteload Allocation	26.97	31.05	35.48	41.95	56.92
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	2.60	6.67	11.10	17.57	32.55
Individual Permits	24.38	24.38	24.38	24.38	24.38	

Table A.14 (MI) - Daily Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily Fecal Coliform Load (billion cells/day)				
		Low	Dry	Mid	Moist	Wet
MI-17 Milwaukee River From Cedar Creek to Saukville	Total Loading Capacity	49.88	89.72	133.87	199.74	359.30
	Reserve Capacity	-	-	-	-	-
	Load Allocation	7.75	33.42	61.93	104.60	208.77
	Background	0.06	0.23	0.59	1.51	6.04
	Agricultural	5.70	24.58	45.42	76.33	150.12
	Non-Permitted Urban	2.00	8.61	15.92	26.75	52.61
	Wasteload Allocation	42.13	56.30	71.94	95.15	150.53
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	4.28	18.45	34.09	57.30	112.68
Individual Permits	37.85	37.85	37.85	37.85	37.85	
MI-18 Cedar Creek From Jackson Creek to Headwaters	Total Loading Capacity	26.11	60.63	107.66	191.16	443.86
	Reserve Capacity	-	-	-	-	-
	Load Allocation	18.20	42.31	75.21	133.74	311.59
	Background	0.09	0.35	0.88	2.23	8.68
	Agricultural	8.37	19.39	34.34	60.77	139.97
	Non-Permitted Urban	9.74	22.57	39.98	70.74	162.94
	Wasteload Allocation	7.91	18.32	32.45	57.42	132.27
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	7.91	18.32	32.45	57.42	132.27
Individual Permits	-	-	-	-	-	
MI-19 Lehner Creek Entire Length	Total Loading Capacity	0.73	2.12	4.39	9.08	26.43
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.73	2.11	4.37	9.05	26.32
	Background	2.28E-03	0.01	0.04	0.12	0.65
	Agricultural	0.17	0.50	1.04	2.14	6.16
	Non-Permitted Urban	0.55	1.59	3.29	6.79	19.51
	Wasteload Allocation	2.96E-03	8.58E-03	0.02	0.04	0.10
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	2.96E-03	8.58E-03	0.02	0.04	0.10
Individual Permits	-	-	-	-	-	
MI-20 Jackson Creek Entire Length	Total Loading Capacity	1.69	4.73	9.53	19.23	53.81
	Reserve Capacity	-	-	-	-	-
	Load Allocation	1.25	3.50	7.05	14.23	39.84
	Background	1.06E-03	5.49E-03	0.02	0.05	0.27
	Agricultural	0.93	2.60	5.23	10.54	29.43
	Non-Permitted Urban	0.32	0.89	1.80	3.63	10.14
	Wasteload Allocation	0.44	1.23	2.48	5.00	13.97
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	0.44	1.23	2.48	5.00	13.97
Individual Permits	-	-	-	-	-	

Table A.14 (MI) - Daily Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily Fecal Coliform Load (billion cells/day)				
		Low	Dry	Mid	Moist	Wet
MI-21 Little Cedar Creek Entire Length	Total Loading Capacity	61.42	128.95	213.78	354.42	744.12
	Reserve Capacity	-	-	-	-	-
	Load Allocation	25.92	74.81	136.35	238.73	525.22
	Background	0.06	0.35	1.15	3.74	21.06
	Agricultural	13.09	37.69	68.44	118.95	255.19
	Non-Permitted Urban	12.77	36.77	66.77	116.04	248.97
	Wasteload Allocation	35.50	54.14	77.43	115.69	218.90
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	9.91	28.55	51.84	90.11	193.31
Individual Permits	25.59	25.59	25.59	25.59	25.59	
MI-22 Cedar Creek Near Jackson	Total Loading Capacity	15.35	45.26	94.61	197.74	583.22
	Reserve Capacity	-	-	-	-	-
	Load Allocation	13.59	40.11	83.86	175.42	518.71
	Background	0.02	0.16	0.63	2.50	18.88
	Agricultural	5.50	16.18	33.72	70.05	202.49
	Non-Permitted Urban	8.07	23.77	49.52	102.87	297.34
	Wasteload Allocation	1.75	5.16	10.74	22.32	64.51
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	1.75	5.16	10.74	22.32	64.51
Individual Permits	-	-	-	-	-	
MI-23 Evergreen Creek Near Jackson	Total Loading Capacity	2.88	8.42	17.49	36.32	106.08
	Reserve Capacity	-	-	-	-	-
	Load Allocation	2.83	8.28	17.19	35.69	104.25
	Background	6.53E-03	0.03	0.10	0.30	1.54
	Agricultural	2.26	6.59	13.66	28.28	82.09
	Non-Permitted Urban	0.57	1.66	3.43	7.10	20.62
	Wasteload Allocation	0.05	0.15	0.30	0.63	1.82
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	0.05	0.15	0.30	0.63	1.82
Individual Permits	-	-	-	-	-	
MI-24 North Branch Cedar Creek and Cedar Creek From Milwaukee River to Myra Creek	Total Loading Capacity	80.13	160.52	257.72	413.80	828.88
	Reserve Capacity	-	-	-	-	-
	Load Allocation	19.42	65.89	122.32	213.66	462.49
	Background	0.08	0.44	1.45	4.79	27.63
	Agricultural	5.36	18.15	33.52	57.92	120.58
	Non-Permitted Urban	13.98	47.30	87.36	150.95	314.28
	Wasteload Allocation	60.71	94.63	135.40	200.14	366.39
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	14.23	48.15	88.92	153.66	319.91
Individual Permits	46.48	46.48	46.48	46.48	46.48	

Table A.14 (MI) - Daily Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily Fecal Coliform Load (billion cells/day)				
		Low	Dry	Mid	Moist	Wet
MI-25 Milwaukee River From Pigeon Creek to Cedar Creek	Total Loading Capacity	33.87	79.40	141.89	253.59	594.44
	Reserve Capacity	-	-	-	-	-
	Load Allocation	1.01	2.50	4.73	9.12	24.83
	Background	0.10	0.38	0.94	2.36	9.09
	Agricultural	0.88	2.06	3.67	6.54	15.23
	Non-Permitted Urban	0.03	0.07	0.12	0.22	0.51
	Wasteload Allocation	32.86	76.90	137.16	244.47	569.61
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	32.86	76.90	137.16	244.47	569.61
Individual Permits	-	-	-	-	-	
MI-26 Pigeon Creek Entire Length	Total Loading Capacity	13.65	35.61	68.47	131.65	343.55
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.37	1.05	2.24	4.96	17.36
	Background	0.04	0.20	0.61	1.85	9.34
	Agricultural	0.33	0.85	1.63	3.12	8.03
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	13.28	34.56	66.23	126.69	326.18
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	13.28	34.56	66.23	126.69	326.18
Individual Permits	-	-	-	-	-	
MI-27 Milwaukee River From Lincoln Creek to Pigeon Creek	Total Loading Capacity	34.11	74.84	127.84	218.40	479.16
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.15	0.40	0.79	1.57	4.41
	Background	0.07	0.22	0.48	1.04	3.26
	Agricultural	0.08	0.18	0.31	0.53	1.15
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	33.96	74.43	127.06	216.83	474.74
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	33.96	74.43	127.06	216.83	474.74
Individual Permits	-	-	-	-	-	
MI-28 Beaver Creek Entire Length	Total Loading Capacity	10.16	19.56	30.57	47.79	92.05
	Reserve Capacity	-	-	-	-	-
	Load Allocation	4.72E-03	0.01	0.02	0.04	0.11
	Background	4.71E-03	0.01	0.02	0.04	0.11
	Agricultural	1.25E-05	2.41E-05	3.76E-05	5.88E-05	1.13E-04
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	10.15	19.55	30.55	47.75	91.94
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	10.15	19.55	30.55	47.75	91.94
Individual Permits	-	-	-	-	-	

Table A.14 (MI) - Daily Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily Fecal Coliform Load (billion cells/day)				
		Low	Dry	Mid	Moist	Wet
MI-29 South Branch Creek Entire Length	Total Loading Capacity	6.91	13.86	22.27	35.78	71.73
	Reserve Capacity	-	-	-	-	-
	Load Allocation	3.54E-03	9.44E-03	0.02	0.04	0.10
	Background	3.54E-03	9.44E-03	0.02	0.04	0.10
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	6.91	13.85	22.25	35.74	71.64
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	6.91	13.85	22.25	35.74	71.64
Individual Permits	-	-	-	-	-	
MI-30 Indian Creek Entire Length	Total Loading Capacity	4.47	10.30	18.20	32.13	74.00
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.01	0.03	0.06	0.11	0.31
	Background	0.01	0.03	0.06	0.11	0.31
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	4.46	10.27	18.14	32.02	73.70
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	4.46	10.27	18.14	32.02	73.70
Individual Permits	-	-	-	-	-	
MI-31 Lincoln Creek Entire Length	Total Loading Capacity	44.02	90.58	148.13	242.23	498.46
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.02	0.06	0.12	0.24	0.68
	Background	0.02	0.06	0.12	0.24	0.68
	Agricultural	3.38E-04	6.95E-04	1.14E-03	1.86E-03	3.82E-03
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	44.00	90.52	148.01	241.99	497.78
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	44.00	90.52	148.01	241.99	497.78
Individual Permits	-	-	-	-	-	
MI-32 Milwaukee River From Estuary to Lincoln Creek	Total Loading Capacity	6.87	15.98	28.40	50.48	117.38
	Reserve Capacity	-	-	-	-	-
	Load Allocation	6.43E-03	0.02	0.03	0.06	0.17
	Background	5.20E-03	0.01	0.03	0.05	0.15
	Agricultural	1.23E-03	2.87E-03	5.09E-03	9.05E-03	0.02
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	6.87	15.96	28.37	50.42	117.21
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	6.87	15.96	28.37	50.42	117.21
Individual Permits	-	-	-	-	-	

Table A.15 (MI) - Monthly Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)				
		Low	Dry	Mid	Moist	Wet
MI-1 Upper Milwaukee River From Campbellsport to Headwaters	Total Loading Capacity	1,327.07	3,483.57	6,724.94	12,982.30	34,078.74
	Reserve Capacity	-	-	-	-	-
	Load Allocation	1,110.75	3,267.25	6,508.62	12,765.98	33,862.42
	Background	2.64	16.61	58.21	203.97	1,284.12
	Agricultural	451.00	1,323.01	2,625.31	5,112.72	13,259.33
	Non-Permitted Urban	657.11	1,927.63	3,825.10	7,449.29	19,318.97
	Wasteload Allocation	216.32	216.32	216.32	216.32	216.32
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4 Individual Permits	216.32	216.32	216.32	216.32	216.32
MI-2 Upper Milwaukee River From Kewaskum to Campbellsport and Auburn	Total Loading Capacity	910.97	2,054.84	3,577.30	6,227.78	14,047.80
	Reserve Capacity	-	-	-	-	-
	Load Allocation	548.11	1,656.46	3,132.06	5,702.03	13,291.88
	Background	3.65	16.89	48.01	136.47	631.90
	Agricultural	144.88	436.28	820.66	1,480.98	3,368.79
	Non-Permitted Urban	399.58	1,203.28	2,263.39	4,084.58	9,291.20
	Wasteload Allocation	362.86	398.38	445.25	525.75	755.91
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4 Individual Permits	345.19	345.19	345.19	345.19	345.19
MI-3 West Branch Milwaukee River Entire Length	Total Loading Capacity	1,120.72	3,159.21	6,402.27	12,974.47	36,573.70
	Reserve Capacity	-	-	-	-	-
	Load Allocation	1,120.01	3,157.19	6,398.20	12,966.26	36,550.84
	Background	2.23	13.07	43.63	145.62	853.60
	Agricultural	517.67	1,456.11	2,942.94	5,937.52	16,532.18
	Non-Permitted Urban	600.11	1,688.01	3,411.63	6,883.12	19,165.06
	Wasteload Allocation	0.72	2.01	4.07	8.21	22.85
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4 Individual Permits	0.72	2.01	4.07	8.21	22.85
MI-4 Kewaskum Creek Entire Length	Total Loading Capacity	245.58	694.26	1,409.71	2,862.46	8,092.27
	Reserve Capacity	-	-	-	-	-
	Load Allocation	234.06	661.77	1,343.90	2,729.25	7,718.36
	Background	0.83	3.86	11.01	31.38	145.93
	Agricultural	97.91	276.18	559.52	1,132.52	3,178.77
	Non-Permitted Urban	135.33	381.73	773.37	1,565.35	4,393.66
	Wasteload Allocation	11.52	32.49	65.82	133.22	373.91
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4 Individual Permits	11.52	32.49	65.82	133.22	373.91

Table A.15 (MI) - Monthly Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)				
		Low	Dry	Mid	Moist	Wet
MI-5 Watercress Creek and East Branch Milwaukee River Entire Length	Total Loading Capacity	966.34	2,579.61	5,037.18	9,836.07	26,257.11
	Reserve Capacity	-	-	-	-	-
	Load Allocation	964.26	2,574.09	5,026.47	9,815.31	26,202.48
	Background	13.17	50.60	126.63	316.89	1,217.36
	Agricultural	188.27	499.53	969.93	1,880.23	4,945.85
	Non-Permitted Urban	762.82	2,023.96	3,929.91	7,618.19	20,039.28
	Wasteload Allocation	2.08	5.52	10.71	20.77	54.62
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	2.08	5.52	10.71	20.77	54.62
Individual Permits	-	-	-	-	-	
MI-6 Quaas Creek and Milwaukee River Near West Bend	Total Loading Capacity	4,744.09	7,582.31	10,437.60	14,368.11	22,964.06
	Reserve Capacity	-	-	-	-	-
	Load Allocation	220.22	1,256.47	2,307.74	3,776.88	7,131.91
	Background	3.06	13.74	38.26	106.53	478.75
	Agricultural	10.05	57.54	105.07	169.93	308.03
	Non-Permitted Urban	207.11	1,185.20	2,164.41	3,500.41	6,345.13
	Wasteload Allocation	4,523.87	6,325.84	8,129.86	10,591.23	15,832.15
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	381.56	2,183.53	3,987.56	6,448.93	11,689.84
Individual Permits	4,142.30	4,142.30	4,142.30	4,142.30	4,142.30	
MI-7 Myra Creek and Milwaukee River From North Branch Milwaukee River to West Bend	Total Loading Capacity	806.35	1,986.48	3,672.45	6,789.33	16,725.81
	Reserve Capacity	-	-	-	-	-
	Load Allocation	693.10	1,838.36	3,474.78	6,500.74	16,152.05
	Background	2.68	12.42	35.30	100.37	464.90
	Agricultural	179.35	474.33	893.49	1,662.66	4,075.13
	Non-Permitted Urban	511.06	1,351.61	2,545.98	4,737.72	11,612.02
	Wasteload Allocation	113.25	148.12	197.67	288.59	573.77
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	21.20	56.07	105.62	196.54	481.71
Individual Permits	92.05	92.05	92.05	92.05	92.05	
MI-8 North Branch Milwaukee River From Adell Tributary to Headwaters	Total Loading Capacity	183.95	474.92	906.51	1,730.29	4,467.22
	Reserve Capacity	-	-	-	-	-
	Load Allocation	124.12	415.09	846.67	1,670.45	4,407.39
	Background	0.82	3.51	9.44	25.42	108.74
	Agricultural	43.04	143.67	292.24	574.21	1,500.48
	Non-Permitted Urban	80.26	267.92	544.99	1,070.82	2,798.17
	Wasteload Allocation	59.83	59.83	59.83	59.83	59.83
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	-	-	-	-	-
Individual Permits	59.83	59.83	59.83	59.83	59.83	

Table A.15 (MI) - Monthly Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)				
		Low	Dry	Mid	Moist	Wet
MI-9 Adell Tributary Entire Length	Total Loading Capacity	595.27	978.91	1,373.98	1,928.50	3,171.38
	Reserve Capacity	-	-	-	-	-
	Load Allocation	595.27	978.91	1,373.98	1,928.50	3,171.38
	Background	0.23	1.43	4.96	17.15	106.01
	Agricultural	205.62	337.77	473.07	660.47	1,059.25
	Non-Permitted Urban	389.42	639.71	895.95	1,250.87	2,006.12
	Wasteload Allocation	-	-	-	-	-
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4 Individual Permits	-	-	-	-	-
MI-10 Chambers Creek, Batavia Creek, and North Branch Milwaukee River Near Sherman	Total Loading Capacity	401.41	1,175.51	2,444.93	5,085.18	14,891.60
	Reserve Capacity	-	-	-	-	-
	Load Allocation	401.41	1,175.51	2,444.93	5,085.18	14,891.60
	Background	1.91	8.11	21.72	58.22	247.30
	Agricultural	132.12	386.08	801.40	1,662.50	4,843.12
	Non-Permitted Urban	267.38	781.33	1,621.81	3,364.46	9,801.18
	Wasteload Allocation	-	-	-	-	-
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4 Individual Permits	-	-	-	-	-
MI-11 Melius Creek Entire Length	Total Loading Capacity	501.52	810.39	1,123.92	1,558.76	2,518.75
	Reserve Capacity	-	-	-	-	-
	Load Allocation	501.52	810.39	1,123.92	1,558.76	2,518.75
	Background	0.59	2.62	7.21	19.86	87.80
	Agricultural	177.66	286.48	396.05	545.79	862.16
	Non-Permitted Urban	323.27	521.29	720.66	993.12	1,568.79
	Wasteload Allocation	-	-	-	-	-
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4 Individual Permits	-	-	-	-	-
MI-12 Mink Creek Entire Length	Total Loading Capacity	250.18	761.42	1,625.82	3,471.51	10,565.48
	Reserve Capacity	-	-	-	-	-
	Load Allocation	250.18	761.42	1,625.82	3,471.51	10,565.48
	Background	1.54	6.39	16.85	44.45	184.48
	Agricultural	105.22	319.53	680.90	1,450.31	4,393.17
	Non-Permitted Urban	143.42	435.51	928.06	1,976.75	5,987.83
	Wasteload Allocation	-	-	-	-	-
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4 Individual Permits	-	-	-	-	-

Table A.15 (MI) - Monthly Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)				
		Low	Dry	Mid	Moist	Wet
MI-13 Stony Creek, Wallace Creek, and North Branch Milwaukee River Near Farmington	Total Loading Capacity	957.42	2,667.15	5,361.70	10,778.50	30,026.28
	Reserve Capacity	-	-	-	-	-
	Load Allocation	957.37	2,666.99	5,361.39	10,777.87	30,024.54
	Background	3.97	18.41	52.39	149.09	691.58
	Agricultural	304.39	845.61	1,695.00	3,393.43	9,365.09
	Non-Permitted Urban	649.01	1,802.97	3,614.00	7,235.35	19,967.88
	Wasteload Allocation	0.06	0.16	0.31	0.63	1.74
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	0.06	0.16	0.31	0.63	1.74
Individual Permits	-	-	-	-	-	
MI-14 Silver Creek Entire Length	Total Loading Capacity	529.08	1,221.52	2,160.55	3,821.44	8,822.73
	Reserve Capacity	-	-	-	-	-
	Load Allocation	322.43	1,014.87	1,953.89	3,614.78	8,616.07
	Background	0.68	3.64	11.44	35.92	192.46
	Agricultural	43.39	136.38	261.98	482.68	1,136.09
	Non-Permitted Urban	278.36	874.84	1,680.47	3,096.18	7,287.52
	Wasteload Allocation	206.65	206.65	206.65	206.65	206.65
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	-	-	-	-	-
Individual Permits	206.65	206.65	206.65	206.65	206.65	
MI-15 Milwaukee River Near Fredonia	Total Loading Capacity	530.94	1,215.27	2,136.88	3,757.40	8,600.33
	Reserve Capacity	-	-	-	-	-
	Load Allocation	254.78	939.11	1,860.72	3,481.25	8,324.18
	Background	0.89	4.13	11.77	33.50	155.56
	Agricultural	41.10	151.34	299.28	558.06	1,322.19
	Non-Permitted Urban	212.80	783.64	1,549.68	2,889.68	6,846.43
	Wasteload Allocation	276.15	276.15	276.15	276.15	276.15
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	-	-	-	-	-
Individual Permits	276.15	276.15	276.15	276.15	276.15	
MI-16 Milwaukee River Near Saukville	Total Loading Capacity	1,441.61	2,542.98	3,744.08	5,512.46	9,723.89
	Reserve Capacity	-	-	-	-	-
	Load Allocation	621.69	1,599.17	2,665.61	4,237.25	7,993.37
	Background	0.39	2.48	8.84	31.49	202.98
	Agricultural	313.84	806.53	1,342.01	2,124.46	3,935.16
	Non-Permitted Urban	307.46	790.15	1,314.75	2,081.30	3,855.23
	Wasteload Allocation	819.93	943.82	1,078.47	1,275.21	1,730.52
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	78.92	202.81	337.45	534.20	989.51
Individual Permits	741.01	741.01	741.01	741.01	741.01	

Table A.15 (MI) - Monthly Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)				
		Low	Dry	Mid	Moist	Wet
MI-17 Milwaukee River From Cedar Creek to Saukville	Total Loading Capacity	1,516.34	2,727.58	4,069.70	6,072.21	10,922.65
	Reserve Capacity	-	-	-	-	-
	Load Allocation	235.68	1,016.07	1,882.63	3,179.79	6,346.62
	Background	1.75	6.97	17.91	46.01	183.72
	Agricultural	173.23	747.24	1,380.83	2,320.57	4,563.65
	Non-Permitted Urban	60.70	261.86	483.89	813.20	1,599.25
	Wasteload Allocation	1,280.66	1,711.51	2,187.07	2,892.42	4,576.03
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	130.02	560.87	1,036.43	1,741.78	3,425.39
Individual Permits	1,150.64	1,150.64	1,150.64	1,150.64	1,150.64	
MI-18 Cedar Creek From Jackson Creek to Headwaters	Total Loading Capacity	793.84	1,843.23	3,272.84	5,811.28	13,493.29
	Reserve Capacity	-	-	-	-	-
	Load Allocation	553.39	1,286.23	2,286.26	4,065.61	9,472.40
	Background	2.73	10.62	26.83	67.79	264.02
	Agricultural	254.46	589.45	1,044.06	1,847.35	4,255.10
	Non-Permitted Urban	296.21	686.16	1,215.36	2,150.46	4,953.27
	Wasteload Allocation	240.45	557.00	986.59	1,745.67	4,020.89
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	240.45	557.00	986.59	1,745.67	4,020.89
Individual Permits	-	-	-	-	-	
MI-19 Lehner Creek Entire Length	Total Loading Capacity	22.14	64.40	133.36	276.14	803.40
	Reserve Capacity	-	-	-	-	-
	Load Allocation	22.05	64.14	132.82	275.03	800.21
	Background	0.07	0.37	1.17	3.68	19.77
	Agricultural	5.27	15.30	31.58	65.09	187.20
	Non-Permitted Urban	16.71	48.47	100.07	206.26	593.25
	Wasteload Allocation	0.09	0.26	0.54	1.11	3.19
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	0.09	0.26	0.54	1.11	3.19
Individual Permits	-	-	-	-	-	
MI-20 Jackson Creek Entire Length	Total Loading Capacity	51.36	143.73	289.84	584.50	1,635.77
	Reserve Capacity	-	-	-	-	-
	Load Allocation	37.97	106.28	214.37	432.44	1,211.21
	Background	0.03	0.17	0.51	1.58	8.22
	Agricultural	28.21	78.91	159.04	320.42	894.63
	Non-Permitted Urban	9.72	27.20	54.82	110.44	308.37
	Wasteload Allocation	13.39	37.45	75.47	152.06	424.55
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	13.39	37.45	75.47	152.06	424.55
Individual Permits	-	-	-	-	-	

Table A.15 (MI) - Monthly Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)				
		Low	Dry	Mid	Moist	Wet
MI-21 Little Cedar Creek Entire Length	Total Loading Capacity	1,867.11	3,920.09	6,498.96	10,774.37	22,621.28
	Reserve Capacity	-	-	-	-	-
	Load Allocation	787.90	2,274.32	4,145.13	7,257.34	15,966.70
	Background	1.91	10.75	34.94	113.58	640.27
	Agricultural	397.85	1,145.77	2,080.48	3,616.01	7,757.89
	Non-Permitted Urban	388.14	1,117.80	2,029.70	3,527.75	7,568.54
	Wasteload Allocation	1,079.21	1,645.77	2,353.84	3,517.03	6,654.58
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	301.38	867.94	1,576.00	2,739.20	5,876.75
Individual Permits	777.83	777.83	777.83	777.83	777.83	
MI-22 Cedar Creek Near Jackson	Total Loading Capacity	466.54	1,376.05	2,876.05	6,011.15	17,729.91
	Reserve Capacity	-	-	-	-	-
	Load Allocation	413.28	1,219.30	2,549.46	5,332.67	15,768.73
	Background	0.64	4.81	19.12	75.90	573.95
	Agricultural	167.16	492.00	1,025.07	2,129.57	6,155.56
	Non-Permitted Urban	245.48	722.48	1,505.27	3,127.19	9,039.21
	Wasteload Allocation	53.26	156.75	326.59	678.49	1,961.18
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	53.26	156.75	326.59	678.49	1,961.18
Individual Permits	-	-	-	-	-	
MI-23 Evergreen Creek Near Jackson	Total Loading Capacity	87.68	256.10	531.74	1,104.02	3,224.75
	Reserve Capacity	-	-	-	-	-
	Load Allocation	86.15	251.65	522.51	1,084.92	3,169.32
	Background	0.20	1.01	3.05	9.22	46.79
	Agricultural	68.70	200.32	415.17	859.73	2,495.61
	Non-Permitted Urban	17.26	50.32	104.29	215.97	626.92
	Wasteload Allocation	1.53	4.45	9.22	19.10	55.43
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	1.53	4.45	9.22	19.10	55.43
Individual Permits	-	-	-	-	-	
MI-24 North Branch Cedar Creek and Cedar Creek From Milwaukee River to Myra Creek	Total Loading Capacity	2,436.08	4,879.75	7,834.81	12,579.38	25,197.97
	Reserve Capacity	-	-	-	-	-
	Load Allocation	590.43	2,003.03	3,718.61	6,495.20	14,059.73
	Background	2.31	13.34	44.06	145.52	839.93
	Agricultural	163.08	551.73	1,018.92	1,760.72	3,665.75
	Non-Permitted Urban	425.04	1,437.96	2,655.62	4,588.96	9,554.05
	Wasteload Allocation	1,845.64	2,876.72	4,116.20	6,084.18	11,138.24
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	432.66	1,463.73	2,703.21	4,671.19	9,725.26
Individual Permits	1,412.99	1,412.99	1,412.99	1,412.99	1,412.99	

Table A.15 (MI) - Monthly Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)				
		Low	Dry	Mid	Moist	Wet
MI-25 Milwaukee River From Pigeon Creek to Cedar Creek	Total Loading Capacity	1,029.66	2,413.66	4,313.60	7,709.10	18,071.08
	Reserve Capacity	-	-	-	-	-
	Load Allocation	30.58	76.04	143.89	277.18	754.81
	Background	2.97	11.44	28.66	71.81	276.30
	Agricultural	26.72	62.51	111.51	198.75	463.08
	Non-Permitted Urban	0.89	2.08	3.71	6.62	15.43
	Wasteload Allocation	999.08	2,337.62	4,169.71	7,431.92	17,316.27
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	999.08	2,337.62	4,169.71	7,431.92	17,316.27
Individual Permits	-	-	-	-	-	
MI-26 Pigeon Creek Entire Length	Total Loading Capacity	414.89	1,082.65	2,081.60	4,002.25	10,443.83
	Reserve Capacity	-	-	-	-	-
	Load Allocation	11.15	32.02	68.15	150.91	527.88
	Background	1.22	6.16	18.60	56.14	283.86
	Agricultural	9.94	25.85	49.55	94.78	244.02
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	403.74	1,050.64	2,013.45	3,851.34	9,915.95
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	403.74	1,050.64	2,013.45	3,851.34	9,915.95
Individual Permits	-	-	-	-	-	
MI-27 Milwaukee River From Lincoln Creek to Pigeon Creek	Total Loading Capacity	1,036.94	2,275.01	3,886.45	6,639.28	14,566.36
	Reserve Capacity	-	-	-	-	-
	Load Allocation	4.65	12.20	23.96	47.72	134.18
	Background	2.15	6.71	14.59	31.72	99.16
	Agricultural	2.51	5.49	9.37	16.00	35.03
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	1,032.29	2,262.81	3,862.48	6,591.57	14,432.18
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	1,032.29	2,262.81	3,862.48	6,591.57	14,432.18
Individual Permits	-	-	-	-	-	
MI-28 Beaver Creek Entire Length	Total Loading Capacity	308.71	594.58	929.44	1,452.89	2,798.26
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.14	0.36	0.68	1.28	3.23
	Background	0.14	0.36	0.68	1.28	3.23
	Agricultural	3.80E-04	7.31E-04	1.14E-03	1.79E-03	3.44E-03
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	308.57	594.22	928.76	1,451.61	2,795.03
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	308.57	594.22	928.76	1,451.61	2,795.03
Individual Permits	-	-	-	-	-	

Table A.15 (MI) - Monthly Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)				
		Low	Dry	Mid	Moist	Wet
MI-29 South Branch Creek Entire Length	Total Loading Capacity	210.15	421.36	676.95	1,087.60	2,180.63
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.11	0.29	0.56	1.09	2.91
	Background	0.11	0.29	0.56	1.09	2.91
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	210.05	421.07	676.39	1,086.51	2,177.72
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	210.05	421.07	676.39	1,086.51	2,177.72
Individual Permits	-	-	-	-	-	
MI-30 Indian Creek Entire Length	Total Loading Capacity	136.01	313.25	553.15	976.77	2,249.69
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.33	0.90	1.76	3.46	9.30
	Background	0.33	0.90	1.76	3.46	9.30
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	135.68	312.36	551.39	973.32	2,240.39
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	135.68	312.36	551.39	973.32	2,240.39
Individual Permits	-	-	-	-	-	
MI-31 Lincoln Creek Entire Length	Total Loading Capacity	1,338.20	2,753.69	4,503.11	7,363.92	15,153.19
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.62	1.75	3.58	7.30	20.81
	Background	0.61	1.73	3.54	7.25	20.69
	Agricultural	0.01	0.02	0.03	0.06	0.12
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	1,337.58	2,751.93	4,499.53	7,356.62	15,132.38
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	1,337.58	2,751.93	4,499.53	7,356.62	15,132.38
Individual Permits	-	-	-	-	-	
MI-32 Milwaukee River From Estuary to Lincoln Creek	Total Loading Capacity	208.91	485.78	863.40	1,534.57	3,568.30
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.20	0.52	1.00	1.94	5.15
	Background	0.16	0.43	0.84	1.66	4.51
	Agricultural	0.04	0.09	0.15	0.28	0.64
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	208.72	485.26	862.40	1,532.63	3,563.15
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	208.72	485.26	862.40	1,532.63	3,563.15
Individual Permits	-	-	-	-	-	

Table A.16 (MI) - Daily Total Phosphorus Wasteload Allocation by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TM approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

For implementation purposes, the individual allocations for NCCW facilities covered under the general permit will be lumped by watershed and tracked through effluent monitoring. Actual permit limits may differ by facility when compared to corresponding individual mass allocations listed for each facility provided the watershed allocation is still met.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Daily TP Wasteload Allocation (lbs/day)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Airsan Corp*	0044938	NCCW	001	MI-31	1.53E-05	1.55E-05	1.84E-05	2.13E-05	1.67E-05	1.57E-05	1.22E-05	1.53E-05	1.70E-05	1.16E-05	1.75E-05	1.27E-05	2.40E-03
Amcor Flexibles Inc	0044938	NCCW	002	MI-31	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.02	0.01	2.66
Arkema Inc	0027731	Individual	001	MI-16	#	#	#	#	#	#	#	#	#	#	#	#	#
Badger Meter Inc	0033529	Individual	001	MI-28	0.34	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	51.48
Badger Meter Inc*	0033529	Individual	002	MI-28	#	#	#	#	#	#	#	#	#	#	#	#	#
Brady USA Inc Coated Products Div	0044938	NCCW	001	MI-31	0.04	0.04	0.05	0.06	0.04	0.04	0.03	0.04	0.05	0.03	0.05	0.03	6.40
Brewery Works Inc	0044938	NCCW	001	MI-32	#	#	#	#	#	#	#	#	#	#	#	#	#
C & D Technologies	0063258	Individual	006	MI-32	0.43	0.48	0.39	0.16	0.48	0.60	0.50	0.29	0.39	0.20	0.42	0.26	58.36
Campbellsport Wastewater Treatment Facility	0020818	Individual	001	MI-01	4.42	4.38	3.37	5.05	7.53	5.60	4.13	3.26	3.89	4.03	4.80	3.86	690.98
Cascade Wastewater Treatment Facility	0031372	Individual	001	MI-08	1.17	1.26	1.34	1.30	1.51	1.02	0.78	0.59	0.73	0.67	1.27	1.17	162.90
Cedarburg Wastewater Treatment Facility	0020222	Individual	001	MI-24	8.87	10.01	9.28	10.16	12.29	10.75	9.27	7.93	8.77	8.28	8.93	8.46	1,437.10
Charter Steel Div Of Charter Mfg Co	0044938	NCCW	002	MI-16	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.02	0.03	0.03	4.25
	0044938	NCCW	003	MI-16	4.53E-03	4.99E-03	3.85E-03	4.42E-03	3.76E-03	4.87E-03	4.09E-03	4.01E-03	4.05E-03	3.29E-03	4.52E-03	4.04E-03	0.64
	0044938	NCCW	005	MI-16	3.23E-03	3.55E-03	2.75E-03	3.15E-03	2.68E-03	3.47E-03	2.92E-03	2.86E-03	2.89E-03	2.34E-03	3.23E-03	2.88E-03	0.46
Chicago Faucets	0044938	NCCW	001	MI-31	5.74E-03	5.82E-03	6.90E-03	7.99E-03	6.28E-03	5.88E-03	4.60E-03	5.73E-03	6.38E-03	4.36E-03	6.56E-03	4.77E-03	0.90
Compass Properties	0044938	NCCW	001	MI-32	#	#	#	#	#	#	#	#	#	#	#	#	#
DRS Power & Control Technologies Inc	0062723	Individual	002	MI-31	0.05	0.05	0.06	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	7.87
	0062723	Individual	003	MI-31	4.58E-04	4.68E-04	5.37E-04	6.39E-04	5.02E-04	4.70E-04	3.67E-04	4.58E-04	5.10E-04	3.49E-04	5.16E-04	3.85E-04	0.07
	0062723	Individual	009	MI-31	0.28	0.29	0.33	0.39	0.31	0.29	0.23	0.28	0.31	0.21	0.32	0.24	44.13
Electron Beam Fusion Corp	0044938	NCCW	001	MI-31	5.96E-03	6.04E-03	7.17E-03	8.30E-03	6.53E-03	6.11E-03	4.78E-03	5.96E-03	6.63E-03	4.53E-03	6.82E-03	4.95E-03	0.94
Franchise Mailing Systems*	0044938	NCCW	001	MI-32	3.73E-03	4.08E-03	3.33E-03	1.36E-03	4.09E-03	5.18E-03	4.29E-03	2.48E-03	3.33E-03	1.74E-03	3.56E-03	2.25E-03	0.50
Fred Usinger Inc	0044938	NCCW	001	MI-32	0.19	0.20	0.17	0.07	0.20	0.26	0.21	0.12	0.17	0.09	0.18	0.11	25.04
Fredonia Municipal Sewer and Water Utility	0020800	Individual	001	MI-15	2.94	3.36	3.85	2.47	5.23	3.25	2.81	2.19	4.15	2.81	3.22	2.66	495.45
Fromm Family Pet Food	0044938	NCCW	001	MI-26	2.83E-03	2.83E-03	2.35E-03	1.62E-03	2.74E-03	1.93E-03	1.43E-03	1.88E-03	2.46E-03	1.78E-03	2.90E-03	2.14E-03	0.34
Grafton Village Water & Wastewater Utility	0020184	Individual	001	MI-16	7.04	8.15	6.71	7.05	7.43	7.69	6.69	6.48	6.89	5.57	7.05	6.36	1,055.94
Hellermann Tyton	0044938	NCCW	001	MI-31	6.56E-04	6.65E-04	7.89E-04	9.14E-04	7.18E-04	6.72E-04	5.26E-04	6.55E-04	7.30E-04	4.99E-04	7.50E-04	5.45E-04	0.10
Hub Milwaukee Center Properties LLC	0044938	NCCW	001	MI-32	#	#	#	#	#	#	#	#	#	#	#	#	#
Hydrite Chemical Company	0044938	NCCW	001	MI-29	0.18	0.19	0.22	0.22	0.19	0.18	0.14	0.16	0.19	0.14	0.20	0.15	27.48
Hydro Platers Inc	0044938	NCCW	001	MI-31	8.28E-03	8.39E-03	9.95E-03	0.01	9.07E-03	8.48E-03	6.63E-03	8.27E-03	9.21E-03	6.30E-03	9.47E-03	6.88E-03	1.30
	0044938	NCCW	002	MI-31	8.06E-03	8.18E-03	9.69E-03	0.01	8.83E-03	8.26E-03	6.46E-03	8.06E-03	8.97E-03	6.13E-03	9.22E-03	6.70E-03	1.27
Jackson (Village) Wastewater Treatment Plant	0021806	Individual	001	MI-21	7.24	7.46	5.05	4.83	8.72	6.81	6.00	6.68	9.02	6.51	8.34	6.84	1,061.59
Johnson Controls Inc†	0000108	Individual	001	MI-31	0	0	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.02	0	1.84
Kewaskum Village	0021733	Individual	001	MI-02	4.32	4.86	4.74	1.66	5.86	4.42	3.40	3.01	4.52	3.24	4.43	4.12	617.56
Kracor Inc	0044938	NCCW	001	MI-31	1.18E-03	1.20E-03	1.42E-03	1.65E-03	1.29E-03	1.21E-03	9.47E-04	1.18E-03	1.31E-03	8.99E-04	1.35E-03	9.82E-04	0.19
	0044938	NCCW	002	MI-31	2.36E-03	2.40E-03	2.84E-03	3.29E-03	2.59E-03	2.42E-03	1.89E-03	2.36E-03	2.63E-03	1.80E-03	2.70E-03	1.96E-03	0.37
Krier Foods Inc Random Lake	0049204	Individual	001	MI-14	0.12	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	18.72
Lallemand Specialties Inc	0044938	NCCW	001	MI-31	0.03	0.03	0.04	0.05	0.04	0.04	0.03	0.03	0.04	0.03	0.04	0.03	5.43
Mid City Foundry United Division*	0044938	NCCW	001	MI-17	7.43E-03	8.61E-03	7.09E-03	7.45E-03	7.85E-03	8.12E-03	7.07E-03	6.84E-03	7.28E-03	5.88E-03	7.44E-03	6.72E-03	1.12
Milk Specialties Global Adell	0001236	Individual	001	MI-09	3.29	3.83	3.77	3.57	3.71	3.24	2.73	2.57	2.68	2.58	3.36	3.21	489.78
Milwaukee Gear Co Inc	0044938	NCCW	001	MI-27	1.39	1.60	0.72	0.47	0.50	0.55	0.44	0.35	0.57	0.50	0.79	1.17	114.45
Molecular Biology Resources Inc	0044938	NCCW	001	MI-31	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.02	3.55
Newburg Village	0024911	Individual	001	MI-07	1.64	1.64	1.42	1.32	2.43	1.80	1.41	1.07	1.57	1.26	1.73	1.64	240.84

Table A.16 (MI) - Daily Total Phosphorus Wasteload Allocation by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TM approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

For implementation purposes, the individual allocations for NCCW facilities covered under the general permit will be lumped by watershed and tracked through effluent monitoring. Actual permit limits may differ by facility when compared to corresponding individual mass allocations listed for each facility provided the watershed allocation is still met.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Daily TP Wasteload Allocation (lbs/day)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Norstar Aluminium Molds Inc	0044938	NCCW	002	MI-24	9.97E-04	1.13E-03	1.04E-03	1.14E-03	1.38E-03	1.21E-03	1.04E-03	8.91E-04	9.86E-04	9.30E-04	1.00E-03	9.51E-04	0.16
	0044938	NCCW	003	MI-24	5.98E-04	6.75E-04	6.26E-04	6.85E-04	8.29E-04	7.25E-04	6.25E-04	5.35E-04	5.91E-04	5.58E-04	6.02E-04	5.70E-04	0.10
Novozymes Bioag Inc	0044938	NCCW	001	MI-31	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.03	0.02	3.93
Pentair Residential Filtration LLC	0044938	NCCW	002	MI-27	0.04	0.04	0.02	0.01	0.01	0.01	0.01	9.32E-03	0.02	0.01	0.02	0.03	3.02
Pereles Bros	0044938	NCCW	001	MI-31	0.46	0.47	0.55	0.64	0.50	0.47	0.37	0.46	0.51	0.35	0.53	0.38	72.21
Random Lake Village	0021415	Individual	001	MI-14	1.87	1.92	1.91	1.69	2.21	1.59	1.32	1.08	1.22	1.10	2.02	1.79	250.40
Regal Beloit America	0044938	NCCW	001	MI-27	0.38	0.43	0.20	0.13	0.14	0.15	0.12	0.10	0.15	0.14	0.22	0.32	31.11
Regal Ware Inc	0044938	NCCW	001	MI-06	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	5.64
Ritus Rubber Corporation	0044938	NCCW	001	MI-29	0.09	0.09	0.10	0.10	0.09	0.08	0.07	0.08	0.09	0.06	0.10	0.07	13.00
Riveredge Nature Center	0044938	NCCW	001	MI-07	#	#	#	#	#	#	#	#	#	#	#	#	#
Saukville Village Sewer Utility	0021555	Individual	001	MI-16	6.76	7.43	5.74	6.59	5.61	7.26	6.10	5.98	6.04	4.90	6.74	6.03	954.67
Schreiber Foods Inc - West Bend	0026751	Individual	001	MI-24	1.38	1.55	1.44	1.58	1.91	1.67	1.44	1.23	1.36	1.28	1.38	1.31	222.82
Signicast LLC - Milwaukee	0044938	NCCW	002	MI-28	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.04	0.03	5.41
	0044938	NCCW	003	MI-28	5.97E-03	6.27E-03	6.54E-03	5.96E-03	5.85E-03	5.88E-03	4.87E-03	4.72E-03	6.00E-03	4.41E-03	6.51E-03	4.78E-03	0.86
Solines, LLC	0044938	NCCW	007	MI-31	0.72	0.73	0.87	1.01	0.79	0.74	0.58	0.72	0.81	0.55	0.83	0.60	113.93
	0044938	NCCW	014	MI-31	3.29E-03	3.34E-03	3.96E-03	4.58E-03	3.60E-03	3.37E-03	2.64E-03	3.29E-03	3.66E-03	2.50E-03	3.76E-03	2.73E-03	0.52
Stainless Foundry Engineering Inc	0044938	NCCW	002	MI-31	0.08	0.08	0.10	0.11	0.09	0.08	0.07	0.08	0.09	0.06	0.09	0.07	12.82
	0044938	NCCW	004	MI-31	0.17	0.17	0.20	0.23	0.18	0.17	0.13	0.17	0.19	0.13	0.19	0.14	26.26
Super Steel LLC Calumet*	0044938	NCCW	001	MI-29	2.15E-03	2.28E-03	2.60E-03	2.62E-03	2.32E-03	2.10E-03	1.70E-03	1.94E-03	2.22E-03	1.62E-03	2.42E-03	1.79E-03	0.33
Sysco Food Service Of Eastern Wisconsin†	0063231	Individual	001	MI-18	0	0	0	4.81E-03	0.04	0.03	0.02	0.02	0.03	0.02	0	0	2.16
Universal Strap Inc	0044938	NCCW	001	MI-20	#	#	#	#	#	#	#	#	#	#	#	#	#
We Energies Milwaukee Heating Plant	0044938	NCCW	001	MI-32	0.02	0.02	0.02	7.60E-03	0.02	0.03	0.02	0.01	0.02	9.74E-03	0.02	0.01	2.80
	0044938	NCCW	002	MI-32	8.57E-04	9.38E-04	7.66E-04	3.12E-04	9.40E-04	1.19E-03	9.86E-04	5.70E-04	7.66E-04	4.00E-04	8.18E-04	5.17E-04	0.12
	0044938	NCCW	004	MI-32	0.21	0.23	0.19	0.08	0.23	0.29	0.24	0.14	0.19	0.10	0.20	0.13	27.92
	0044938	NCCW	006	MI-32	0.04	0.04	0.03	0.01	0.04	0.05	0.05	0.03	0.03	0.02	0.04	0.02	5.25
West Bend City	0025763	Individual	001	MI-06	14.56	16.31	14.86	14.87	18.47	18.59	15.54	15.09	15.39	13.45	14.11	13.77	2,352.86
WI DNR Kettle Moraine Springs Fish Hatchery	0026255	Individual	001	MI-11	1.79	1.62	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	273.97
Wisconsin Thermoset Molding Inc	0042218	Individual	005	MI-32	0.02	0.03	0.02	8.72E-03	0.03	0.03	0.03	0.02	0.02	0.01	0.02	0.01	3.21

Background P is present in the effluent from the source water. The point source is not contributing P beyond that which is present in the intake, therefore no P reductions are necessary to meet TMDL targets.

† Seasonal discharge; WLA=0 in non-discharge months.

Table A.17 (MI) - Monthly Total Phosphorus Wasteload Allocation by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

For implementation purposes, the individual allocations for NCCW facilities covered under the general permit will be lumped by watershed and tracked through effluent monitoring. Actual permit limits may differ by facility when compared to corresponding individual mass allocations listed for each facility provided the watershed allocation is still met.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Monthly TP Wasteload Allocation (lbs/month)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Airsan Corp*	0044938	NCCW	001	MI-31	1.98E-04	1.82E-04	2.38E-04	2.67E-04	2.17E-04	1.97E-04	1.59E-04	1.98E-04	2.13E-04	1.51E-04	2.19E-04	1.65E-04	2.40E-03
Amcor Flexibles Inc	0044938	NCCW	002	MI-31	0.22	0.20	0.26	0.30	0.24	0.22	0.18	0.22	0.24	0.17	0.24	0.18	2.66
Arkema Inc	0027731	Individual	001	MI-16	#	#	#	#	#	#	#	#	#	#	#	#	#
Badger Meter Inc	0033529	Individual	001	MI-28	4.37	3.95	4.37	4.23	4.37	4.23	4.37	4.37	4.23	4.37	4.23	4.37	51.48
Badger Meter Inc*	0033529	Individual	002	MI-28	#	#	#	#	#	#	#	#	#	#	#	#	#
Brady USA Inc Coated Products Div	0044938	NCCW	001	MI-31	0.53	0.48	0.63	0.71	0.58	0.52	0.42	0.53	0.57	0.40	0.58	0.44	6.40
Brewery Works Inc	0044938	NCCW	001	MI-32	#	#	#	#	#	#	#	#	#	#	#	#	#
C & D Technologies	0063258	Individual	006	MI-32	5.64	5.57	5.04	1.99	6.18	7.57	6.49	3.75	4.88	2.63	5.21	3.40	58.36
Campbellsport Wastewater Treatment Facility	0020818	Individual	001	MI-01	57.29	51.26	43.72	63.40	97.64	70.30	53.62	42.28	48.84	52.31	60.28	50.03	690.98
Cascade Wastewater Treatment Facility	0031372	Individual	001	MI-08	15.24	14.74	17.44	16.27	19.55	12.77	10.14	7.63	9.21	8.71	15.97	15.23	162.90
Cedarburg Wastewater Treatment Facility	0020222	Individual	001	MI-24	115.09	117.30	120.42	127.57	159.38	134.94	120.26	102.89	110.09	107.40	112.03	109.72	1,437.10
Charter Steel Div Of Charter Mfg Co	0044938	NCCW	002	MI-16	0.39	0.39	0.33	0.37	0.32	0.41	0.35	0.35	0.34	0.28	0.38	0.35	4.25
	0044938	NCCW	003	MI-16	0.06	0.06	0.05	0.06	0.05	0.06	0.05	0.05	0.05	0.04	0.06	0.05	0.64
	0044938	NCCW	005	MI-16	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.46
Chicago Faucets	0044938	NCCW	001	MI-31	0.07	0.07	0.09	0.10	0.08	0.07	0.06	0.07	0.08	0.06	0.08	0.06	0.90
Compass Properties	0044938	NCCW	001	MI-32	#	#	#	#	#	#	#	#	#	#	#	#	#
DRS Power & Control Technologies Inc	0062723	Individual	002	MI-31	0.62	0.57	0.73	0.84	0.68	0.62	0.62	0.62	0.67	0.62	0.68	0.62	7.87
	0062723	Individual	003	MI-31	5.95E-03	5.49E-03	6.97E-03	8.02E-03	6.51E-03	5.90E-03	4.77E-03	5.94E-03	6.40E-03	4.52E-03	6.48E-03	5.00E-03	0.07
	0062723	Individual	009	MI-31	3.65	3.37	4.27	4.92	3.99	3.62	2.92	3.65	3.93	2.78	3.98	3.07	44.13
Electron Beam Fusion Corp	0044938	NCCW	001	MI-31	0.08	0.07	0.09	0.10	0.08	0.08	0.06	0.08	0.08	0.06	0.09	0.06	0.94
Franchise Mailing Systems*	0044938	NCCW	001	MI-32	0.05	0.05	0.04	0.02	0.05	0.06	0.06	0.03	0.04	0.02	0.04	0.03	0.50
Fred Usinger Inc	0044938	NCCW	001	MI-32	2.42	2.39	2.16	0.85	2.65	3.25	2.78	1.61	2.09	1.13	2.24	1.46	25.04
Fredonia Municipal Sewer and Water Utility	0020800	Individual	001	MI-15	38.12	39.38	49.90	30.99	67.88	40.83	36.47	28.39	52.05	36.42	40.47	34.55	495.45
Fromm Family Pet Food	0044938	NCCW	001	MI-26	0.04	0.03	0.03	0.02	0.04	0.02	0.02	0.02	0.03	0.02	0.04	0.03	0.34
Grafton Village Water & Wastewater Utility	0020184	Individual	001	MI-16	91.29	95.53	87.07	88.55	96.38	96.49	86.83	84.04	86.50	72.21	88.49	82.55	1,055.94
Hellermann Tyton	0044938	NCCW	001	MI-31	8.51E-03	7.79E-03	0.01	0.01	9.32E-03	8.44E-03	6.82E-03	8.50E-03	9.16E-03	6.47E-03	9.42E-03	7.07E-03	0.10
Hub Milwaukee Center Properties LLC	0044938	NCCW	001	MI-32	#	#	#	#	#	#	#	#	#	#	#	#	#
Hydrite Chemical Company	0044938	NCCW	001	MI-29	2.34	2.25	2.83	2.76	2.53	2.21	1.85	2.11	2.34	1.76	2.55	1.95	27.48
Hydro Platers Inc	0044938	NCCW	001	MI-31	0.11	0.10	0.13	0.14	0.12	0.11	0.09	0.11	0.12	0.08	0.12	0.09	1.30
	0044938	NCCW	002	MI-31	0.10	0.10	0.13	0.14	0.11	0.10	0.08	0.10	0.11	0.08	0.12	0.09	1.27
Jackson (Village) Wastewater Treatment Plant	0021806	Individual	001	MI-21	93.87	87.43	65.51	60.57	113.12	85.46	77.84	86.62	113.28	84.46	104.72	88.71	1,061.59
Johnson Controls Inc†	0000108	Individual	001	MI-31	0	0	0.23	0.27	0.22	0.20	0.16	0.20	0.21	0.15	0.21	0	1.84
Kewaskum Village	0021733	Individual	001	MI-02	56.00	56.90	61.43	20.88	76.02	55.45	44.12	39.03	56.68	42.05	55.54	53.44	617.56
Kracor Inc	0044938	NCCW	001	MI-31	0.02	0.01	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.02	0.01	0.19
	0044938	NCCW	002	MI-31	0.03	0.03	0.04	0.04	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.03	0.37
Krier Foods Inc Random Lake	0049204	Individual	001	MI-14	1.59	1.44	1.59	1.54	1.59	1.54	1.59	1.59	1.54	1.59	1.54	1.59	18.72
Lallemand Specialities Inc	0044938	NCCW	001	MI-31	0.45	0.41	0.54	0.60	0.49	0.44	0.36	0.45	0.48	0.34	0.50	0.37	5.43
Mid City Foundry United Division*	0044938	NCCW	001	MI-17	0.10	0.10	0.09	0.09	0.10	0.10	0.09	0.09	0.09	0.08	0.09	0.09	1.12
Milk Specialties Global Adell	0001236	Individual	001	MI-09	42.70	44.84	48.88	44.83	48.12	40.72	35.46	33.31	33.62	33.49	42.22	41.59	489.78
Milwaukee Gear Co Inc	0044938	NCCW	001	MI-27	18.00	18.75	9.40	5.84	6.53	6.87	5.66	4.58	7.14	6.52	9.96	15.19	114.45
Molecular Biology Resources Inc	0044938	NCCW	001	MI-31	0.29	0.27	0.35	0.39	0.32	0.29	0.23	0.29	0.31	0.22	0.32	0.24	3.55
Newburg Village	0024911	Individual	001	MI-07	21.22	19.25	18.48	16.62	31.54	22.57	18.31	13.84	19.72	16.37	21.70	21.25	240.84

Table A.17 (MI) - Monthly Total Phosphorus Wasteload Allocation by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

For implementation purposes, the individual allocations for NCCW facilities covered under the general permit will be lumped by watershed and tracked through effluent monitoring. Actual permit limits may differ by facility when compared to corresponding individual mass allocations listed for each facility provided the watershed allocation is still met.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Monthly TP Wasteload Allocation (lbs/month)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Norstar Aluminium Molds Inc	0044938	NCCW	002	MI-24	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.16
	0044938	NCCW	003	MI-24	7.76E-03	7.91E-03	8.12E-03	8.60E-03	0.01	9.10E-03	8.11E-03	6.94E-03	7.42E-03	7.24E-03	7.55E-03	7.40E-03	0.10
Novozymes Bioag Inc	0044938	NCCW	001	MI-31	0.32	0.30	0.39	0.44	0.35	0.32	0.26	0.32	0.35	0.25	0.36	0.27	3.93
Pentair Residential Filtration LLC	0044938	NCCW	002	MI-27	0.47	0.49	0.25	0.15	0.17	0.18	0.15	0.12	0.19	0.17	0.26	0.40	3.02
Pereles Bros	0044938	NCCW	001	MI-31	5.95	5.45	7.16	8.03	6.52	5.90	4.77	5.95	6.41	4.53	6.59	4.95	72.21
Random Lake Village	0021415	Individual	001	MI-14	24.20	22.48	24.78	21.19	28.62	19.92	17.18	13.96	15.28	14.24	25.33	23.22	250.40
Regal Beloit America	0044938	NCCW	001	MI-27	4.89	5.10	2.56	1.59	1.77	1.87	1.54	1.25	1.94	1.77	2.71	4.13	31.11
Regal Ware Inc	0044938	NCCW	001	MI-06	0.45	0.46	0.46	0.45	0.57	0.56	0.48	0.47	0.46	0.41	0.42	0.43	5.64
Ritus Rubber Corporation	0044938	NCCW	001	MI-29	1.11	1.06	1.34	1.31	1.19	1.05	0.88	1.00	1.11	0.83	1.21	0.92	13.00
Riveredge Nature Center	0044938	NCCW	001	MI-07	#	#	#	#	#	#	#	#	#	#	#	#	#
Saukville Village Sewer Utility	0021555	Individual	001	MI-16	87.64	87.07	74.46	82.77	72.74	91.13	79.07	77.54	75.80	63.59	84.66	78.21	954.67
Schreiber Foods Inc - West Bend	0026751	Individual	001	MI-24	17.84	18.19	18.67	19.78	24.71	20.92	18.65	15.95	17.07	16.65	17.37	17.01	222.82
Signicast LLC - Milwaukee	0044938	NCCW	002	MI-28	0.49	0.46	0.53	0.47	0.48	0.46	0.40	0.38	0.47	0.36	0.51	0.39	5.41
	0044938	NCCW	003	MI-28	0.08	0.07	0.08	0.07	0.08	0.07	0.06	0.06	0.08	0.06	0.08	0.06	0.86
Solines, LLC	0044938	NCCW	007	MI-31	9.39	8.60	11.29	12.66	10.29	9.32	7.53	9.39	10.11	7.15	10.40	7.81	113.93
	0044938	NCCW	014	MI-31	0.04	0.04	0.05	0.06	0.05	0.04	0.03	0.04	0.05	0.03	0.05	0.04	0.52
Stainless Foundry Engineering Inc	0044938	NCCW	002	MI-31	1.06	0.97	1.27	1.43	1.16	1.05	0.85	1.06	1.14	0.80	1.17	0.88	12.82
	0044938	NCCW	004	MI-31	2.16	1.98	2.60	2.92	2.37	2.15	1.73	2.16	2.33	1.65	2.40	1.80	26.26
Super Steel LLC Calumet*	0044938	NCCW	001	MI-29	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.02	0.33
Sysco Food Service Of Eastern Wisconsin†	0063231	Individual	001	MI-18	0	0	0	0.06	0.55	0.36	0.30	0.29	0.32	0.28	0	0	2.16
Universal Strap Inc	0044938	NCCW	001	MI-20	#	#	#	#	#	#	#	#	#	#	#	#	#
We Energies Milwaukee Heating Plant	0044938	NCCW	001	MI-32	0.27	0.27	0.24	0.10	0.30	0.36	0.31	0.18	0.23	0.13	0.25	0.16	2.80
	0044938	NCCW	002	MI-32	0.01	0.01	9.93E-03	3.92E-03	0.01	0.01	0.01	7.40E-03	9.61E-03	5.19E-03	0.01	6.71E-03	0.12
	0044938	NCCW	004	MI-32	2.70	2.67	2.41	0.95	2.96	3.62	3.10	1.80	2.33	1.26	2.49	1.63	27.92
	0044938	NCCW	006	MI-32	0.51	0.50	0.45	0.18	0.56	0.68	0.58	0.34	0.44	0.24	0.47	0.31	5.25
West Bend City	0025763	Individual	001	MI-06	188.81	191.07	192.77	186.67	239.57	233.37	201.52	195.69	193.12	174.51	177.17	178.59	2,352.86
WI DNR Kettle Moraine Springs Fish Hatchery	0026255	Individual	001	MI-11	23.27	21.02	23.27	22.52	23.27	22.52	23.27	23.27	22.52	23.27	22.52	23.27	273.97
Wisconsin Thermoset Molding Inc	0042218	Individual	005	MI-32	0.31	0.31	0.28	0.11	0.34	0.42	0.36	0.21	0.27	0.14	0.29	0.19	3.21

Background P is present in the effluent from the source water. The point source is not contributing P beyond that which is present in the intake, therefore no P reductions are necessary to meet TMDL targets.

† Seasonal discharge; WLA=0 in non-discharge months.

Table A.18 (MI) - Daily Total Suspended Solids Wasteload Allocation by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Daily TSS Wasteload Allocation (lbs/day)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Arkema Inc	0027731	Individual	001	MI-16	#	#	#	#	#	#	#	#	#	#	#	#	#
Badger Meter Inc	0033529	Individual	001	MI-28	#	#	#	#	#	#	#	#	#	#	#	#	#
Badger Meter Inc*	0033529	Individual	002	MI-28	#	#	#	#	#	#	#	#	#	#	#	#	#
C & D Technologies	0063258	Individual	006	MI-32	14.94	14.07	11.71	2.59	8.93	21.23	20.57	15.51	5.78	2.15	11.54	8.81	1,752.89
Campbellsport Wastewater Treatment Facility	0020818	Individual	001	MI-01	52.88	29.34	14.57	24.63	79.89	55.25	57.53	46.89	59.03	55.67	69.01	56.90	7,679.09
Cascade Wastewater Treatment Facility	0031372	Individual	001	MI-08	50.64	43.21	47.43	38.04	67.65	53.44	48.17	30.62	44.02	44.72	85.75	55.06	7,749.06
Cedarburg Wastewater Treatment Facility	0020222	Individual	001	MI-24	406.78	332.57	233.67	251.56	444.56	368.01	336.98	276.43	361.49	359.69	436.39	447.80	54,191.84
DRS Power & Control Technologies Inc	0062723	Individual	002	MI-31	#	#	#	#	#	#	#	#	#	#	#	#	#
DRS Power & Control Technologies Inc	0062723	Individual	003	MI-31	0.09	0.26	0.01	0.02	0.04	0.04	0.03	0.01	0.02	0.01	0.02	0.24	9.98
DRS Power & Control Technologies Inc	0062723	Individual	009	MI-31	#	#	#	#	#	#	#	#	#	#	#	#	#
Fredonia Municipal Sewer and Water Utility	0020800	Individual	001	MI-15	156.20	144.51	169.14	91.66	236.86	165.30	163.42	116.73	238.71	180.51	234.59	154.70	26,133.27
Grafton Village Water & Wastewater Utility	0020184	Individual	001	MI-16	480.54	418.46	330.45	286.46	353.23	338.52	246.51	222.27	317.14	331.88	548.76	462.89	55,106.28
Jackson (Village) Wastewater Treatment Plant	0021806	Individual	001	MI-21	146.30	81.74	55.04	69.04	151.60	128.88	101.50	84.30	142.75	121.13	209.62	150.98	18,382.02
Johnson Controls Inc†	0000108	Individual	001	MI-31	0	0	0.42	0.85	1.50	1.37	1.06	0.41	0.56	0.52	0.67	0	93.86
Kewaskum Village	0021733	Individual	001	MI-02	124.91	102.07	89.41	35.41	72.02	57.46	49.45	30.18	62.43	67.23	133.78	134.85	12,192.51
Krier Foods Inc Random Lake	0049204	Individual	001	MI-14	11.17	10.10	10.70	6.47	10.47	7.75	8.21	4.92	6.50	8.35	16.78	11.05	1,430.47
Milk Specialties Global Adell	0001236	Individual	001	MI-09	140.50	113.27	98.09	90.34	144.97	164.82	152.07	135.62	160.89	165.77	218.83	157.21	22,192.40
Newburg Village	0024911	Individual	001	MI-07	43.19	35.23	20.99	21.87	57.77	35.32	31.01	16.56	31.83	31.50	52.43	50.70	5,453.20
Random Lake Village	0021415	Individual	001	MI-14	61.19	55.32	58.59	35.44	57.32	42.45	44.98	26.95	35.58	45.70	91.86	60.49	7,832.78
Saukville Village Sewer Utility	0021555	Individual	001	MI-16	269.41	207.75	183.31	198.82	221.49	279.53	225.33	191.19	255.71	256.96	408.58	277.04	37,850.69
Schreiber Foods Inc - West Bend	0026751	Individual	001	MI-24	79.89	65.32	45.89	49.41	45.95	38.04	34.83	28.57	37.37	37.18	85.71	87.95	8,080.71
Sysco Food Service Of Eastern Wisconsin†	0063231	Individual	001	MI-18	0	0	0	0.20	0.86	0.57	0.61	0.59	0.73	0.42	0	0	51.00
West Bend City	0025763	Individual	001	MI-06	1,043.73	983.01	681.70	513.82	706.42	610.38	492.24	432.13	549.85	526.31	819.08	979.45	105,874.34
WI DNR Kettle Moraine Springs Fish Hatchery	0026255	Individual	001	MI-11	126.41	101.48	87.53	84.52	127.92	147.23	135.49	124.06	146.31	151.10	196.07	141.27	19,988.39
Wisconsin Thermoset Molding Inc	0042218	Individual	005	MI-32	0.30	0.28	0.23	0.05	0.18	0.42	0.41	0.31	0.12	0.04	0.23	0.18	34.90

Background TSS is present in the effluent from the source water. The point source is not contributing TSS beyond that which is present in the intake, therefore no TSS reductions are necessary to meet TMDL targets.

† Seasonal discharge; WLA=0 in non-discharge months.

Table A.19 (MI) - Monthly Total Suspended Solids Wasteload Allocation by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Monthly TSS Wasteload Allocation (lbs/month)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Arkema Inc	0027731	Individual	001	MI-16	#	#	#	#	#	#	#	#	#	#	#	#	#
Badger Meter Inc	0033529	Individual	001	MI-28	#	#	#	#	#	#	#	#	#	#	#	#	#
Badger Meter Inc*	0033529	Individual	002	MI-28	#	#	#	#	#	#	#	#	#	#	#	#	#
C & D Technologies	0063258	Individual	006	MI-32	193.74	164.88	151.87	32.50	115.84	266.51	266.84	201.12	72.60	27.89	144.87	114.24	1,752.89
Campbellsport Wastewater Treatment Facility	0020818	Individual	001	MI-01	685.85	343.75	188.94	309.13	1,036.24	693.56	746.24	608.15	740.94	722.08	866.23	737.97	7,679.09
Cascade Wastewater Treatment Facility	0031372	Individual	001	MI-08	656.78	506.25	615.21	477.49	877.42	670.81	624.79	397.16	552.55	580.04	1,076.40	714.17	7,749.06
Cedarburg Wastewater Treatment Facility	0020222	Individual	001	MI-24	5,276.20	3,896.23	3,030.82	3,157.64	5,766.30	4,619.32	4,370.90	3,585.46	4,537.58	4,665.37	5,477.75	5,808.26	54,191.84
DRS Power & Control Technologies Inc	0062723	Individual	002	MI-31	#	#	#	#	#	#	#	#	#	#	#	#	#
DRS Power & Control Technologies Inc	0062723	Individual	003	MI-31	1.11	3.06	0.16	0.30	0.56	0.49	0.40	0.15	0.20	0.19	0.24	3.12	9.98
DRS Power & Control Technologies Inc	0062723	Individual	009	MI-31	#	#	#	#	#	#	#	#	#	#	#	#	#
Fredonia Municipal Sewer and Water Utility	0020800	Individual	001	MI-15	2,026.08	1,693.04	2,193.89	1,150.53	3,072.23	2,074.86	2,119.66	1,514.03	2,996.39	2,341.36	2,944.65	2,006.55	26,133.27
Grafton Village Water & Wastewater Utility	0020184	Individual	001	MI-16	6,232.90	4,902.45	4,286.15	3,595.77	4,581.68	4,249.25	3,197.47	2,882.97	3,980.78	4,304.68	6,888.24	6,003.95	55,106.28
Jackson (Village) Wastewater Treatment Plant	0021806	Individual	001	MI-21	1,897.60	957.59	713.86	866.59	1,966.30	1,617.72	1,316.54	1,093.42	1,791.81	1,571.14	2,631.20	1,958.26	18,382.02
Johnson Controls Inc†	0000108	Individual	001	MI-31	0	0	5.49	10.62	19.43	17.17	13.76	5.34	6.99	6.69	8.37	0	93.86
Kewaskum Village	0021733	Individual	001	MI-02	1,620.16	1,195.82	1,159.69	444.51	934.14	721.31	641.38	391.50	783.59	872.03	1,679.28	1,749.10	12,192.51
Krier Foods Inc Random Lake	0049204	Individual	001	MI-14	144.94	118.35	138.79	81.24	135.77	97.32	106.54	63.83	81.57	108.25	210.59	143.29	1,430.47
Milk Specialties Global Adell	0001236	Individual	001	MI-09	1,822.37	1,327.05	1,272.32	1,134.02	1,880.40	2,068.88	1,972.48	1,759.12	2,019.59	2,150.16	2,746.83	2,039.17	22,192.40
Newburg Village	0024911	Individual	001	MI-07	560.24	412.68	272.24	274.57	749.27	443.30	402.26	214.78	399.58	408.59	658.08	657.60	5,453.20
Random Lake Village	0021415	Individual	001	MI-14	793.64	648.06	759.98	444.84	743.44	532.87	583.36	349.53	446.65	592.72	1,153.09	784.58	7,832.78
Saukville Village Sewer Utility	0021555	Individual	001	MI-16	3,494.38	2,433.93	2,377.64	2,495.66	2,872.92	3,508.78	2,922.71	2,479.93	3,209.79	3,332.90	5,128.58	3,593.46	37,850.69
Schreiber Foods Inc - West Bend	0026751	Individual	001	MI-24	1,036.25	765.23	595.26	620.17	596.04	477.48	451.80	370.62	469.03	482.24	1,075.84	1,140.75	8,080.71
Sysco Food Service Of Eastern Wisconsin†	0063231	Individual	001	MI-18	0	0	0	2.52	11.20	7.12	7.90	7.62	9.15	5.49	0	0	51.00
West Bend City	0025763	Individual	001	MI-06	13,537.91	11,516.46	8,842.12	6,449.59	9,162.77	7,661.72	6,384.75	5,604.97	6,901.90	6,826.59	10,281.36	12,704.20	105,874.34
WI DNR Kettle Moraine Springs Fish Hatchery	0026255	Individual	001	MI-11	1,639.57	1,188.87	1,135.30	1,060.96	1,659.18	1,848.07	1,757.47	1,609.16	1,836.52	1,959.87	2,461.10	1,832.31	19,988.39
Wisconsin Thermoset Molding Inc	0042218	Individual	005	MI-32	3.86	3.28	3.02	0.65	2.31	5.31	5.31	4.00	1.45	0.56	2.88	2.27	34.90

Background TSS is present in the effluent from the source water. The point source is not contributing TSS beyond that which is present in the intake, therefore no TSS reductions are necessary to meet TMDL targets.

† Seasonal discharge; WLA=0 in non-discharge months.

Table A.20 (MI) - Daily Fecal Coliform Wasteload Allocation by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Daily Fecal Coliform Wasteload Allocation (billion cells/day)				
					Low	Dry	Mid	Moist	Wet
Arkema Inc	0027731	Individual	001	MI-16	#	#	#	#	#
Badger Meter Inc	0033529	Individual	001	MI-28	#	#	#	#	#
Badger Meter Inc*	0033529	Individual	002	MI-28	#	#	#	#	#
C & D Technologies	0063258	Individual	006	MI-32	#	#	#	#	#
Campbellsport Wastewater Treatment Facility	0020818	Individual	001	MI-01	17.01	17.01	17.01	17.01	17.01
Cascade Wastewater Treatment Facility	0031372	Individual	001	MI-08	4.70	4.70	4.70	4.70	4.70
Cedarburg Wastewater Treatment Facility	0020222	Individual	001	MI-24	111.09	111.09	111.09	111.09	111.09
DRS Power & Control Technologies Inc	0062723	Individual	002	MI-31	#	#	#	#	#
	0062723	Individual	003	MI-31	#	#	#	#	#
	0062723	Individual	009	MI-31	#	#	#	#	#
Fredonia Municipal Sewer and Water Utility	0020800	Individual	001	MI-15	21.71	21.71	21.71	21.71	21.71
Grafton Village Water & Wastewater Utility	0020184	Individual	001	MI-16	90.46	90.46	90.46	90.46	90.46
Jackson (Village) Wastewater Treatment Plant	0021806	Individual	001	MI-21	61.15	61.15	61.15	61.15	61.15
Johnson Controls Inc	0000108	Individual	001	MI-31	#	#	#	#	#
Kewaskum Village	0021733	Individual	001	MI-02	27.14	27.14	27.14	27.14	27.14
Krier Foods Inc Random Lake	0049204	Individual	001	MI-14	#	#	#	#	#
Milk Specialties Global Adell	0001236	Individual	001	MI-09	#	#	#	#	#
Newburg Village	0024911	Individual	001	MI-07	7.24	7.24	7.24	7.24	7.24
Random Lake Village	0021415	Individual	001	MI-14	16.25	16.25	16.25	16.25	16.25
Saukville Village Sewer Utility	0021555	Individual	001	MI-16	58.26	58.26	58.26	58.26	58.26
Schreiber Foods Inc - West Bend	0026751	Individual	001	MI-24	#	#	#	#	#
Sysco Food Service Of Eastern Wisconsin	0063231	Individual	001	MI-18	#	#	#	#	#
West Bend City	0025763	Individual	001	MI-06	325.66	325.66	325.66	325.66	325.66
WI DNR Kettle Moraine Springs Fish Hatchery #	0026255	Individual	001	MI-11	#	#	#	#	#
Wisconsin Thermoset Molding Inc	0042218	Individual	005	MI-32	#	#	#	#	#

Fecal coliform WLA = 0 because the discharge is industrial wastewater only (no sanitary waste). No discharge of bacteria is expected.

Table A.21 (MI) - Monthly Fecal Coliform Wasteload Allocations by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Monthly Fecal Coliform Wasteload Allocation (billion cells/month)				
					Low	Dry	Mid	Moist	Wet
Arkema Inc #	0027731	Individual	001	MI-16	#	#	#	#	#
Badger Meter Inc #	0033529	Individual	001	MI-28	#	#	#	#	#
Badger Meter Inc* #	0033529	Individual	002	MI-28	#	#	#	#	#
C & D Technologies #	0063258	Individual	006	MI-32	#	#	#	#	#
Campbellsport Wastewater Treatment Facility	0020818	Individual	001	MI-01	216.32	216.32	216.32	216.32	216.32
Cascade Wastewater Treatment Facility	0031372	Individual	001	MI-08	59.83	59.83	59.83	59.83	59.83
Cedarburg Wastewater Treatment Facility	0020222	Individual	001	MI-24	1,412.99	1,412.99	1,412.99	1,412.99	1,412.99
DRS Power & Control Technologies Inc #	0062723	Individual	002	MI-31	#	#	#	#	#
	0062723	Individual	003	MI-31	#	#	#	#	#
	0062723	Individual	009	MI-31	#	#	#	#	#
Fredonia Municipal Sewer and Water Utility	0020800	Individual	001	MI-15	276.15	276.15	276.15	276.15	276.15
Grafton Village Water & Wastewater Utility	0020184	Individual	001	MI-16	1,150.64	1,150.64	1,150.64	1,150.64	1,150.64
Jackson (Village) Wastewater Treatment Plant	0021806	Individual	001	MI-21	777.83	777.83	777.83	777.83	777.83
Johnson Controls Inc #	0000108	Individual	001	MI-31	#	#	#	#	#
Kewaskum Village	0021733	Individual	001	MI-02	345.19	345.19	345.19	345.19	345.19
Krier Foods Inc Random Lake #	0049204	Individual	001	MI-14	#	#	#	#	#
Milk Specialties Global Adell #	0001236	Individual	001	MI-09	#	#	#	#	#
Newburg Village	0024911	Individual	001	MI-07	92.05	92.05	92.05	92.05	92.05
Random Lake Village	0021415	Individual	001	MI-14	206.65	206.65	206.65	206.65	206.65
Saukville Village Sewer Utility	0021555	Individual	001	MI-16	741.01	741.01	741.01	741.01	741.01
Schreiber Foods Inc - West Bend #	0026751	Individual	001	MI-24	#	#	#	#	#
Sysco Food Service Of Eastern Wisconsin #	0063231	Individual	001	MI-18	#	#	#	#	#
West Bend City	0025763	Individual	001	MI-06	4,142.30	4,142.30	4,142.30	4,142.30	4,142.30
WI DNR Kettle Moraine Springs Fish Hatchery #	0026255	Individual	001	MI-11	#	#	#	#	#
Wisconsin Thermoset Molding Inc #	0042218	Individual	005	MI-32	#	#	#	#	#

Fecal coliform WLA = 0 because the discharge is industrial wastewater only (no sanitary waste). No discharge of bacteria is expected.

Table A.22 (MI) - Daily Total Phosphorus Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Daily TP Wasteload Allocation (lbs/day)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Bayside, Village	MI-30	245	0.05	0.06	0.11	0.12	0.09	0.06	0.04	0.06	0.06	0.04	0.06	0.05	24.28
Brown Deer, Village	MI-27	373	0.49	0.57	0.91	1.03	0.71	0.60	0.56	0.56	0.50	0.43	0.56	0.48	225.18
	MI-28	1,222	0.31	0.36	0.67	0.83	0.51	0.41	0.40	0.50	0.44	0.32	0.40	0.31	166.18
	MI-29	1,066	0.21	0.26	0.49	0.60	0.39	0.28	0.26	0.33	0.30	0.21	0.28	0.22	115.93
	MI-31	160	0.03	0.04	0.07	0.09	0.05	0.04	0.03	0.05	0.04	0.03	0.04	0.03	16.39
Cedarburg, City	MI-24	2,849	0.17	0.22	0.30	0.33	0.37	0.27	0.23	0.18	0.19	0.20	0.20	0.18	86.40
	MI-25	74	0.10	0.12	0.17	0.17	0.15	0.10	0.07	0.06	0.08	0.07	0.09	0.09	38.41
	MI-26	195	0.04	0.05	0.06	0.05	0.06	0.04	0.03	0.04	0.05	0.03	0.04	0.03	15.89
Cedarburg, Town	MI-17	1,617	0.13	0.18	0.21	0.23	0.24	0.20	0.17	0.13	0.13	0.11	0.13	0.12	60.40
	MI-21	425	0.03	0.04	0.04	0.04	0.06	0.04	0.04	0.04	0.05	0.03	0.04	0.03	14.22
	MI-22	2,753	0.23	0.24	0.32	0.39	0.51	0.34	0.26	0.20	0.28	0.28	0.30	0.25	108.95
	MI-24	9,548	0.55	0.75	1.01	1.10	1.25	0.91	0.78	0.59	0.62	0.68	0.68	0.59	289.53
	MI-26	1,596	0.32	0.39	0.48	0.40	0.53	0.30	0.24	0.32	0.38	0.27	0.37	0.27	130.10
Fox Point, Village	MI-27	73	0.10	0.11	0.18	0.20	0.14	0.12	0.11	0.11	0.10	0.08	0.11	0.09	44.22
	MI-30	959	0.19	0.24	0.41	0.46	0.37	0.22	0.17	0.25	0.24	0.16	0.24	0.18	95.16
Germantown, Village	MI-21	3,279	0.24	0.29	0.27	0.28	0.44	0.30	0.29	0.30	0.36	0.27	0.31	0.26	109.60
Glendale, City	MI-27	2,737	3.57	4.19	6.70	7.55	5.24	4.40	4.10	4.14	3.69	3.15	4.11	3.51	1,651.91
	MI-30	121	0.02	0.03	0.05	0.06	0.05	0.03	0.02	0.03	0.03	0.02	0.03	0.02	12.01
	MI-31	430	0.08	0.09	0.18	0.24	0.14	0.10	0.09	0.13	0.12	0.08	0.11	0.08	44.20
	MI-32	492	0.90	1.02	1.70	1.44	1.63	1.61	1.41	1.50	1.30	0.76	1.36	0.82	469.22
Grafton, Town	MI-16	5	4.21E-04	5.72E-04	5.88E-04	6.94E-04	5.12E-04	5.71E-04	4.80E-04	4.25E-04	3.89E-04	3.46E-04	4.51E-04	4.17E-04	0.18
	MI-17	3,397	0.26	0.38	0.44	0.49	0.50	0.41	0.36	0.28	0.27	0.23	0.28	0.26	126.87
	MI-24	312	0.02	0.02	0.03	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.02	9.47
	MI-25	5,975	7.66	9.42	13.39	13.45	12.40	7.99	5.92	5.17	6.49	5.47	7.10	6.95	3,082.85
Grafton, Village	MI-17	2,029	0.16	0.23	0.27	0.29	0.30	0.25	0.21	0.17	0.16	0.14	0.17	0.16	75.79
	MI-24	413	0.02	0.03	0.04	0.05	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03	12.51
	MI-25	797	1.02	1.26	1.78	1.79	1.65	1.07	0.79	0.69	0.87	0.73	0.95	0.93	411.04
Jackson, Village	MI-18	142	0.02	0.02	0.03	0.04	0.05	0.03	0.03	0.02	0.02	0.03	0.02	0.02	10.31
	MI-20	710	0.08	0.11	0.19	0.23	0.18	0.11	0.13	0.08	0.09	0.12	0.11	0.09	46.60
	MI-21	846	0.06	0.07	0.07	0.07	0.11	0.08	0.07	0.08	0.09	0.07	0.08	0.07	28.26
	MI-22	241	0.02	0.02	0.03	0.03	0.04	0.03	0.02	0.02	0.02	0.02	0.03	0.02	9.55
Kewaskum, Village	MI-02	773	0.05	0.06	0.08	0.03	0.09	0.06	0.04	0.04	0.05	0.04	0.05	0.05	20.05
	MI-03	44	2.97E-03	3.20E-03	4.30E-03	5.65E-03	7.16E-03	4.68E-03	3.54E-03	2.63E-03	3.66E-03	4.15E-03	4.46E-03	3.26E-03	1.51
	MI-04	593	0.04	0.05	0.09	0.11	0.11	0.07	0.06	0.04	0.05	0.07	0.07	0.05	24.62
	MI-05	90	9.63E-03	0.01	9.72E-03	2.96E-03	0.02	9.91E-03	7.73E-03	5.60E-03	8.13E-03	7.96E-03	0.01	0.01	3.33

Table A.22 (MI) - Daily Total Phosphorus Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Daily TP Wasteload Allocation (lbs/day)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Mequon, City	MI-21	41	3.01E-03	3.56E-03	3.41E-03	3.45E-03	5.46E-03	3.69E-03	3.56E-03	3.75E-03	4.49E-03	3.30E-03	3.87E-03	3.23E-03	1.36
	MI-24	524	0.03	0.04	0.06	0.06	0.07	0.05	0.04	0.03	0.03	0.04	0.04	0.03	15.88
	MI-25	8,821	11.31	13.90	19.76	19.86	18.31	11.80	8.74	7.63	9.58	8.08	10.48	10.26	4,551.30
	MI-26	5,328	1.08	1.29	1.60	1.33	1.77	1.02	0.81	1.08	1.27	0.91	1.23	0.91	434.30
	MI-27	5,397	7.04	8.27	13.22	14.88	10.32	8.67	8.08	8.16	7.28	6.20	8.10	6.93	3,257.56
	MI-28	28	7.00E-03	8.22E-03	0.02	0.02	0.01	9.42E-03	9.00E-03	0.01	0.01	7.24E-03	9.22E-03	7.10E-03	3.78
Milwaukee, City	MI-27	1,162	1.52	1.78	2.85	3.20	2.22	1.87	1.74	1.76	1.57	1.34	1.74	1.49	701.26
	MI-28	924	0.23	0.27	0.51	0.63	0.39	0.31	0.30	0.38	0.33	0.24	0.31	0.24	125.62
	MI-29	771	0.15	0.19	0.36	0.43	0.28	0.20	0.19	0.24	0.21	0.15	0.20	0.16	83.82
	MI-31	12,084	2.28	2.66	5.08	6.80	4.07	2.95	2.64	3.56	3.24	2.26	2.99	2.31	1,240.92
	MI-32	901	1.64	1.87	3.11	2.64	2.98	2.96	2.59	2.74	2.38	1.39	2.49	1.50	859.85
Port Washington, City	MI-16	92	8.21E-03	0.01	0.01	0.01	9.99E-03	0.01	9.36E-03	8.29E-03	7.58E-03	6.76E-03	8.80E-03	8.13E-03	3.48
	MI-25	105	0.13	0.17	0.24	0.24	0.22	0.14	0.10	0.09	0.11	0.10	0.13	0.12	54.32
Richfield, Village	MI-21	3,638	0.27	0.32	0.30	0.31	0.49	0.33	0.32	0.33	0.40	0.30	0.35	0.29	121.58
River Hills, Village	MI-27	2,044	2.67	3.13	5.01	5.64	3.91	3.29	3.06	3.09	2.76	2.35	3.07	2.62	1,233.91
	MI-29	30	5.94E-03	7.29E-03	0.01	0.02	0.01	7.66E-03	7.15E-03	9.19E-03	8.23E-03	5.91E-03	7.71E-03	6.00E-03	3.23
	MI-30	660	0.13	0.16	0.28	0.32	0.25	0.15	0.12	0.17	0.16	0.11	0.16	0.12	65.47
Saukville, Village	MI-16	1,961	0.18	0.24	0.24	0.29	0.21	0.24	0.20	0.18	0.16	0.14	0.19	0.17	74.18
	MI-17	312	0.02	0.03	0.04	0.05	0.05	0.04	0.03	0.03	0.02	0.02	0.03	0.02	11.65
Shorewood, Village	MI-32	461	0.84	0.96	1.59	1.35	1.52	1.51	1.32	1.40	1.22	0.71	1.27	0.77	439.95
Slinger, Village	MI-18	64	8.58E-03	9.44E-03	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	8.99E-03	4.67
	MI-19	4	3.38E-04	4.05E-04	6.08E-04	7.36E-04	7.91E-04	4.73E-04	3.95E-04	2.80E-04	3.43E-04	4.42E-04	4.53E-04	3.67E-04	0.17
	MI-21	710	0.05	0.06	0.06	0.06	0.10	0.06	0.06	0.07	0.08	0.06	0.07	0.06	23.72
Thiensville, Village	MI-25	196	0.25	0.31	0.44	0.44	0.41	0.26	0.19	0.17	0.21	0.18	0.23	0.23	101.37
	MI-26	417	0.08	0.10	0.13	0.10	0.14	0.08	0.06	0.08	0.10	0.07	0.10	0.07	34.02
	MI-27	67	0.09	0.10	0.16	0.19	0.13	0.11	0.10	0.10	0.09	0.08	0.10	0.09	40.63
West Bend, City	MI-02	12	7.41E-04	1.00E-03	1.32E-03	4.74E-04	1.43E-03	9.03E-04	6.99E-04	5.93E-04	8.39E-04	6.80E-04	8.49E-04	8.01E-04	0.31
	MI-06	8,433	1.23	1.65	2.26	2.33	2.65	2.25	1.84	1.66	1.58	1.55	1.48	1.30	661.91
	MI-07	816	0.06	0.08	0.10	0.10	0.14	0.09	0.07	0.05	0.07	0.07	0.08	0.07	29.92
	MI-13	3	3.22E-04	3.68E-04	4.85E-04	4.24E-04	5.48E-04	3.45E-04	2.86E-04	2.10E-04	2.73E-04	2.64E-04	3.81E-04	3.59E-04	0.13
	MI-23	90	5.41E-03	6.26E-03	0.01	0.01	0.01	8.95E-03	6.97E-03	5.19E-03	6.36E-03	8.38E-03	8.78E-03	6.64E-03	3.08
West Bend, Town	MI-06	4,961	0.72	0.97	1.33	1.37	1.56	1.33	1.08	0.97	0.93	0.91	0.87	0.76	389.39
	MI-18	5,093	0.68	0.75	1.25	1.55	1.69	1.13	0.92	0.81	0.90	0.93	0.86	0.71	370.18
	MI-22	17	1.38E-03	1.46E-03	1.93E-03	2.40E-03	3.10E-03	2.09E-03	1.60E-03	1.26E-03	1.69E-03	1.70E-03	1.82E-03	1.54E-03	0.67
	MI-23	164	9.80E-03	0.01	0.02	0.03	0.03	0.02	0.01	9.41E-03	0.01	0.02	0.02	0.01	5.58
Whitefish Bay, Village	MI-27	68	0.09	0.10	0.17	0.19	0.13	0.11	0.10	0.10	0.09	0.08	0.10	0.09	40.96
	MI-32	414	0.75	0.86	1.43	1.21	1.37	1.36	1.19	1.26	1.09	0.64	1.14	0.69	394.81

Table A.23 (MI) - Monthly Total Phosphorus Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Monthly TP Wasteload Allocation (lbs/month)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Bayside, Village	MI-30	245	1.49	1.85	3.20	3.61	2.85	1.69	1.33	1.91	1.86	1.27	1.84	1.40	24.28
Brown Deer, Village	MI-27	373	14.80	17.37	27.77	31.27	21.69	18.23	16.98	17.15	15.31	13.04	17.02	14.56	225.18
	MI-28	1,222	9.35	10.98	20.47	25.22	15.54	12.58	12.02	15.22	13.36	9.67	12.31	9.48	166.18
	MI-29	1,066	6.49	7.96	15.01	18.15	11.73	8.36	7.81	10.02	8.99	6.45	8.41	6.55	115.93
	MI-31	160	0.91	1.07	2.04	2.73	1.63	1.18	1.06	1.43	1.30	0.91	1.20	0.93	16.39
Cedarburg, City	MI-24	2,849	5.03	6.79	9.17	9.98	11.31	8.30	7.05	5.36	5.65	6.21	6.18	5.37	86.40
	MI-25	74	2.90	3.57	5.07	5.09	4.70	3.03	2.24	1.96	2.46	2.07	2.69	2.63	38.41
	MI-26	195	1.20	1.44	1.78	1.48	1.97	1.13	0.90	1.20	1.41	1.01	1.36	1.01	15.89
Cedarburg, Town	MI-17	1,617	3.81	5.48	6.44	7.14	7.18	6.01	5.14	4.10	3.88	3.38	4.06	3.79	60.40
	MI-21	425	0.95	1.13	1.08	1.09	1.73	1.17	1.13	1.19	1.43	1.05	1.23	1.03	14.22
	MI-22	2,753	6.84	7.26	9.58	11.93	15.40	10.34	7.92	6.23	8.40	8.42	9.01	7.62	108.95
	MI-24	9,548	16.86	22.74	30.72	33.43	37.89	27.80	23.64	17.98	18.94	20.81	20.72	18.01	289.53
	MI-26	1,596	9.86	11.77	14.61	12.09	16.12	9.25	7.36	9.81	11.53	8.28	11.17	8.26	130.10
Fox Point, Village	MI-27	73	2.91	3.41	5.45	6.14	4.26	3.58	3.33	3.37	3.01	2.56	3.34	2.86	44.22
	MI-30	959	5.84	7.26	12.53	14.13	11.15	6.61	5.21	7.47	7.28	4.98	7.20	5.49	95.16
Germantown, Village	MI-21	3,279	7.36	8.72	8.35	8.44	13.37	9.03	8.71	9.17	11.00	8.08	9.46	7.90	109.60
Glendale, City	MI-27	2,737	108.55	127.42	203.73	229.42	159.15	133.71	124.55	125.82	112.28	95.65	124.85	106.78	1,651.91
	MI-30	121	0.74	0.92	1.58	1.78	1.41	0.83	0.66	0.94	0.92	0.63	0.91	0.69	12.01
	MI-31	430	2.46	2.88	5.50	7.36	4.41	3.19	2.86	3.85	3.51	2.44	3.23	2.50	44.20
	MI-32	492	27.24	30.97	51.57	43.86	49.41	49.04	42.95	45.48	39.49	23.08	41.29	24.85	469.22
Grafton, Town	MI-16	5	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.18
	MI-17	3,397	7.99	11.51	13.52	15.01	15.08	12.61	10.80	8.62	8.15	7.11	8.53	7.96	126.87
	MI-24	312	0.55	0.74	1.00	1.09	1.24	0.91	0.77	0.59	0.62	0.68	0.68	0.59	9.47
	MI-25	5,975	232.90	286.22	406.98	408.86	377.07	242.97	179.96	157.06	197.35	166.41	215.77	211.30	3,082.85
Grafton, Village	MI-17	2,029	4.77	6.88	8.08	8.96	9.01	7.54	6.45	5.15	4.87	4.25	5.09	4.75	75.79
	MI-24	413	0.73	0.98	1.33	1.44	1.64	1.20	1.02	0.78	0.82	0.90	0.90	0.78	12.51
	MI-25	797	31.05	38.16	54.26	54.51	50.28	32.40	23.99	20.94	26.31	22.19	28.77	28.17	411.04
Jackson, Village	MI-18	142	0.58	0.63	1.06	1.31	1.43	0.96	0.78	0.69	0.76	0.79	0.73	0.60	10.31
	MI-20	710	2.44	3.33	5.89	6.97	5.49	3.43	3.96	2.49	2.81	3.76	3.43	2.60	46.60
	MI-21	846	1.90	2.25	2.15	2.18	3.45	2.33	2.25	2.37	2.84	2.08	2.44	2.04	28.26
	MI-22	241	0.60	0.64	0.84	1.05	1.35	0.91	0.69	0.55	0.74	0.74	0.79	0.67	9.55
Kewaskum, Village	MI-02	773	1.44	1.94	2.56	0.92	2.78	1.75	1.36	1.15	1.63	1.32	1.65	1.55	20.05
	MI-03	44	0.09	0.10	0.13	0.17	0.22	0.14	0.11	0.08	0.11	0.13	0.14	0.10	1.51
	MI-04	593	1.36	1.61	2.62	3.26	3.45	2.13	1.73	1.28	1.59	1.99	2.03	1.56	24.62
	MI-05	90	0.29	0.35	0.30	0.09	0.49	0.30	0.23	0.17	0.25	0.24	0.31	0.31	3.33
Mequon, City	MI-21	41	0.09	0.11	0.10	0.10	0.17	0.11	0.11	0.11	0.14	0.10	0.12	0.10	1.36
	MI-24	524	0.92	1.25	1.68	1.83	2.08	1.52	1.30	0.99	1.04	1.14	1.14	0.99	15.88
	MI-25	8,821	343.84	422.55	600.84	603.62	556.68	358.70	265.69	231.87	291.35	245.67	318.54	311.96	4,551.30
	MI-26	5,328	32.93	39.28	48.76	40.35	53.81	30.88	24.56	32.76	38.48	27.64	37.29	27.56	434.30
	MI-27	5,397	214.06	251.27	401.76	452.41	313.85	263.67	245.62	248.11	221.41	188.61	246.21	210.57	3,257.56
	MI-28	28	0.21	0.25	0.47	0.57	0.35	0.29	0.27	0.35	0.30	0.22	0.28	0.22	3.78

Table A.23 (MI) - Monthly Total Phosphorus Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Monthly TP Wasteload Allocation (lbs/month)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Milwaukee, City	MI-27	1,162	46.08	54.09	86.49	97.39	67.56	56.76	52.87	53.41	47.66	40.60	53.00	45.33	701.26
	MI-28	924	7.06	8.30	15.47	19.06	11.75	9.51	9.08	11.51	10.10	7.31	9.31	7.17	125.62
	MI-29	771	4.69	5.76	10.85	13.13	8.48	6.05	5.65	7.25	6.50	4.66	6.08	4.73	83.82
	MI-31	12,084	69.17	80.99	154.36	206.62	123.74	89.59	80.22	108.18	98.51	68.63	90.77	70.15	1,240.92
	MI-32	901	49.92	56.74	94.50	80.37	90.54	89.86	78.71	83.33	72.37	42.29	75.67	45.54	859.85
Port Washington, City	MI-16	92	0.25	0.34	0.35	0.41	0.30	0.34	0.28	0.25	0.23	0.21	0.27	0.25	3.48
	MI-25	105	4.10	5.04	7.17	7.20	6.64	4.28	3.17	2.77	3.48	2.93	3.80	3.72	54.32
Richfield, Village	MI-21	3,638	8.16	9.67	9.27	9.36	14.84	10.01	9.66	10.18	12.20	8.97	10.50	8.77	121.58
River Hills, Village	MI-27	2,044	81.08	95.18	152.18	171.37	118.88	99.87	93.04	93.98	83.87	71.44	93.26	79.76	1,233.91
	MI-29	30	0.18	0.22	0.42	0.51	0.33	0.23	0.22	0.28	0.25	0.18	0.23	0.18	3.23
	MI-30	660	4.02	5.00	8.62	9.72	7.67	4.55	3.58	5.14	5.01	3.43	4.96	3.77	65.47
Saukville, Village	MI-16	1,961	5.32	7.23	7.44	8.77	6.48	7.22	6.07	5.38	4.91	4.38	5.71	5.27	74.18
	MI-17	312	0.73	1.06	1.24	1.38	1.38	1.16	0.99	0.79	0.75	0.65	0.78	0.73	11.65
Shorewood, Village	MI-32	461	25.54	29.03	48.35	41.12	46.32	45.98	40.27	42.64	37.03	21.64	38.72	23.30	439.95
Slinger, Village	MI-18	64	0.26	0.29	0.48	0.59	0.65	0.43	0.35	0.31	0.34	0.36	0.33	0.27	4.67
	MI-19	4	0.01	0.01	0.02	0.02	0.02	0.01	0.01	8.51E-03	0.01	0.01	0.01	0.01	0.17
	MI-21	710	1.59	1.89	1.81	1.83	2.89	1.95	1.88	1.99	2.38	1.75	2.05	1.71	23.72
Thiensville, Village	MI-25	196	7.66	9.41	13.38	13.44	12.40	7.99	5.92	5.16	6.49	5.47	7.09	6.95	101.37
	MI-26	417	2.58	3.08	3.82	3.16	4.22	2.42	1.92	2.57	3.01	2.17	2.92	2.16	34.02
	MI-27	67	2.67	3.13	5.01	5.64	3.91	3.29	3.06	3.09	2.76	2.35	3.07	2.63	40.63
West Bend, City	MI-02	12	0.02	0.03	0.04	0.01	0.04	0.03	0.02	0.02	0.03	0.02	0.03	0.02	0.31
	MI-06	8,433	37.35	50.19	68.60	70.95	80.42	68.52	55.82	50.36	48.00	47.16	45.11	39.42	661.91
	MI-07	816	1.97	2.42	3.03	2.89	4.24	2.69	2.13	1.64	2.24	2.03	2.40	2.24	29.92
	MI-13	3	9.78E-03	0.01	0.01	0.01	0.02	0.01	8.69E-03	6.38E-03	8.30E-03	8.02E-03	0.01	0.01	0.13
	MI-23	90	0.16	0.19	0.32	0.42	0.42	0.27	0.21	0.16	0.19	0.25	0.27	0.20	3.08
West Bend, Town	MI-06	4,961	21.97	29.52	40.36	41.74	47.31	40.31	32.84	29.63	28.24	27.75	26.54	23.19	389.39
	MI-18	5,093	20.66	22.75	38.09	47.04	51.23	34.47	28.09	24.72	27.21	28.19	26.08	21.65	370.18
	MI-22	17	0.04	0.04	0.06	0.07	0.09	0.06	0.05	0.04	0.05	0.05	0.06	0.05	0.67
	MI-23	164	0.30	0.34	0.58	0.76	0.77	0.49	0.38	0.29	0.35	0.46	0.48	0.37	5.58
Whitefish Bay, Village	MI-27	68	2.69	3.16	5.05	5.69	3.95	3.32	3.09	3.12	2.78	2.37	3.10	2.65	40.96
	MI-32	414	22.92	26.05	43.39	36.90	41.57	41.26	36.14	38.26	33.23	19.42	34.75	20.91	394.81

Table A.24 (MI) - Daily Total Suspended Solids Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Daily TSS Wasteload Allocation (lbs/day)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Bayside, Village	MI-30	245	7.77	9.69	16.91	19.17	14.47	8.79	6.89	9.95	9.68	6.63	9.61	7.29	3,856.06
Brown Deer, Village	MI-27	373	13.20	13.55	20.01	21.61	16.56	20.20	22.01	27.74	20.95	12.99	20.05	13.89	6,772.25
	MI-28	1,222	58.48	66.61	118.15	142.19	90.16	75.01	70.74	87.42	79.32	57.76	74.67	57.32	29,725.93
	MI-29	1,066	44.44	51.83	91.77	108.30	72.25	53.75	49.18	62.03	57.62	41.71	55.57	43.05	22,237.94
	MI-31	160	6.46	7.15	12.83	16.74	10.32	7.87	6.89	9.18	8.64	6.03	8.15	6.25	3,237.28
Cedarburg, City	MI-24	2,849	9.28	10.18	23.66	41.89	65.03	70.95	69.71	65.89	66.28	54.55	37.64	17.85	16,200.75
	MI-25	74	0.96	1.06	1.75	1.91	2.85	2.90	2.64	2.96	3.01	1.74	2.20	1.33	769.30
	MI-26	195	2.47	2.25	2.98	4.75	6.22	4.23	4.01	5.56	6.73	4.64	5.36	2.97	1,585.96
Cedarburg, Town	MI-17	1,617	12.33	15.84	21.05	31.94	48.75	59.04	62.23	60.35	57.43	41.28	33.62	20.85	14,127.45
	MI-21	425	0.87	0.75	1.30	3.41	6.90	7.08	8.10	8.92	11.02	6.59	4.96	1.98	1,881.13
	MI-22	2,753	2.52	2.26	6.50	14.64	28.02	28.20	26.21	23.43	28.44	20.92	13.72	4.91	6,072.72
	MI-24	9,548	31.10	34.13	79.28	140.37	217.91	237.77	233.60	220.81	222.12	182.81	126.13	59.83	54,289.89
	MI-26	1,596	20.23	18.45	24.43	38.88	50.96	34.67	32.83	45.51	55.09	37.96	43.88	24.34	12,988.18
Fox Point, Village	MI-27	73	2.59	2.66	3.93	4.24	3.25	3.97	4.32	5.45	4.11	2.55	3.94	2.73	1,329.91
	MI-30	959	30.45	37.96	66.27	75.12	56.71	34.46	26.98	39.00	37.95	25.98	37.67	28.56	15,111.94
Germantown, Village	MI-21	3,279	6.69	5.77	10.02	26.30	53.23	54.57	62.45	68.80	84.94	50.84	38.21	15.26	14,503.52
Glendale, City	MI-27	2,737	96.83	99.43	146.80	158.54	121.45	148.17	161.47	203.52	153.71	95.32	147.08	101.89	49,680.35
	MI-30	121	3.84	4.79	8.37	9.48	7.16	4.35	3.41	4.92	4.79	3.28	4.76	3.60	1,907.62
	MI-31	430	17.41	19.27	34.58	45.12	27.84	21.22	18.57	24.74	23.28	16.27	21.97	16.84	8,728.15
	MI-32	492	32.65	37.55	61.13	44.94	47.58	61.83	60.47	77.15	56.85	24.37	53.69	28.23	17,827.71
Grafton, Town	MI-16	5	0.02	0.02	0.03	0.07	0.10	0.17	0.16	0.16	0.13	0.10	0.07	0.04	32.66
	MI-17	3,397	25.90	33.28	44.22	67.09	102.41	124.02	130.71	126.77	120.63	86.71	70.62	43.80	29,674.91
	MI-24	312	1.02	1.12	2.59	4.59	7.13	7.78	7.64	7.22	7.26	5.98	4.13	1.96	1,775.70
	MI-25	5,975	77.31	85.41	140.28	153.04	228.87	232.67	211.68	237.82	241.83	139.36	176.25	106.77	61,751.96
Grafton, Village	MI-17	2,029	15.47	19.88	26.42	40.08	61.18	74.09	78.09	75.73	72.06	51.80	42.19	26.17	17,727.63
	MI-24	413	1.34	1.48	3.43	6.07	9.42	10.28	10.10	9.54	9.60	7.90	5.45	2.59	2,346.64
	MI-25	797	10.31	11.39	18.70	20.41	30.52	31.02	28.22	31.71	32.24	18.58	23.50	14.24	8,233.51
Jackson, Village	MI-18	142	0.58	0.58	1.59	2.91	4.29	3.53	2.87	3.08	3.26	2.94	2.14	1.09	877.51
	MI-20	710	2.03	2.40	7.47	14.95	16.34	11.57	15.51	11.30	12.50	13.56	9.06	3.98	3,668.52
	MI-21	846	1.73	1.49	2.58	6.78	13.72	14.07	16.10	17.74	21.90	13.11	9.85	3.93	3,739.83
	MI-22	241	0.22	0.20	0.57	1.28	2.46	2.47	2.30	2.05	2.49	1.83	1.20	0.43	532.57
Kewaskum, Village	MI-02	773	1.59	1.69	3.51	4.06	8.72	9.91	10.65	9.06	13.72	8.89	7.20	3.44	2,506.33
	MI-03	44	0.02	0.02	0.06	0.15	0.31	0.33	0.34	0.27	0.35	0.27	0.17	0.05	71.17
	MI-04	593	0.52	0.51	1.68	3.82	6.21	5.69	5.64	4.77	5.48	5.08	3.27	1.08	1,329.82
	MI-05	90	0.15	0.17	0.32	0.27	0.94	0.64	0.78	0.55	0.83	0.72	0.62	0.32	192.23
Mequon, City	MI-21	41	0.08	0.07	0.12	0.33	0.66	0.68	0.78	0.85	1.06	0.63	0.47	0.19	180.14
	MI-24	524	1.71	1.87	4.35	7.70	11.95	13.04	12.81	12.11	12.18	10.03	6.92	3.28	2,977.49
	MI-25	8,821	114.13	126.09	207.11	225.94	337.89	343.50	312.51	351.10	357.03	205.74	260.21	157.63	91,166.29
	MI-26	5,328	67.53	61.60	81.56	129.78	170.12	115.74	109.60	151.94	183.92	126.72	146.49	81.26	43,358.47
	MI-27	5,397	190.95	196.08	289.50	312.64	239.50	292.20	318.42	401.33	303.12	187.97	290.05	200.93	97,969.80
	MI-28	28	1.33	1.52	2.69	3.24	2.05	1.71	1.61	1.99	1.81	1.31	1.70	1.30	676.66

Table A.24 (MI) - Daily Total Suspended Solids Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Daily TSS Wasteload Allocation (lbs/day)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Milwaukee, City	MI-27	1,162	41.11	42.21	62.32	67.30	51.56	62.90	68.55	86.40	65.25	40.46	62.44	43.25	21,090.18
	MI-28	924	44.20	50.35	89.32	107.48	68.16	56.70	53.47	66.08	59.96	43.66	56.44	43.33	22,470.52
	MI-29	771	32.13	37.47	66.35	78.30	52.24	38.87	35.56	44.85	41.66	30.16	40.18	31.12	16,078.84
	MI-31	12,084	488.72	540.89	970.92	1,266.85	781.47	595.64	521.41	694.51	653.63	456.79	616.87	472.92	245,043.00
	MI-32	901	59.84	68.80	112.01	82.36	87.19	113.30	110.82	141.38	104.18	44.65	98.38	51.74	32,669.61
Port Washington, City	MI-16	92	0.32	0.42	0.61	1.38	1.91	3.22	3.22	3.18	2.62	1.96	1.41	0.70	637.02
	MI-25	105	1.36	1.50	2.47	2.70	4.03	4.10	3.73	4.19	4.26	2.46	3.11	1.88	1,088.10
Richfield, Village	MI-21	3,638	7.42	6.40	11.12	29.18	59.05	60.54	69.28	76.32	94.23	56.40	42.38	16.93	16,089.06
River Hills, Village	MI-27	2,044	72.33	74.27	109.66	118.42	90.72	110.68	120.61	152.02	114.82	71.20	109.87	76.11	37,109.36
	MI-29	30	1.24	1.44	2.56	3.02	2.01	1.50	1.37	1.73	1.61	1.16	1.55	1.20	619.41
	MI-30	660	20.95	26.11	45.59	51.68	39.01	23.70	18.56	26.83	26.11	17.87	25.92	19.65	10,396.30
Saukville, Village	MI-16	1,961	6.89	8.92	12.97	29.40	40.83	68.70	68.60	67.82	55.94	41.82	30.01	15.00	13,585.93
	MI-17	312	2.38	3.05	4.06	6.16	9.40	11.38	12.00	11.64	11.07	7.96	6.48	4.02	2,723.80
Shorewood, Village	MI-32	461	30.62	35.20	57.31	42.14	44.61	57.97	56.70	72.34	53.30	22.85	50.34	26.47	16,715.47
Slinger, Village	MI-18	64	0.26	0.26	0.72	1.32	1.94	1.60	1.30	1.39	1.48	1.33	0.97	0.49	397.53
	MI-19	4	4.44E-03	4.46E-03	0.01	0.03	0.05	0.04	0.04	0.03	0.04	0.04	0.02	8.79E-03	9.51
	MI-21	710	1.45	1.25	2.17	5.69	11.52	11.81	13.51	14.89	18.38	11.00	8.27	3.30	3,138.41
Thiensville, Village	MI-25	196	2.54	2.81	4.61	5.03	7.53	7.65	6.96	7.82	7.95	4.58	5.80	3.51	2,030.48
	MI-26	417	5.29	4.83	6.39	10.17	13.33	9.07	8.59	11.90	14.41	9.93	11.48	6.37	3,396.71
	MI-27	67	2.38	2.45	3.61	3.90	2.99	3.64	3.97	5.01	3.78	2.34	3.62	2.51	1,221.98
West Bend, City	MI-02	12	0.02	0.03	0.05	0.06	0.14	0.16	0.17	0.14	0.21	0.14	0.11	0.05	39.26
	MI-06	8,433	187.94	214.77	359.24	462.05	641.41	644.19	554.31	576.09	560.53	479.95	405.39	274.73	162,962.43
	MI-07	816	1.43	1.50	2.69	5.18	10.97	8.85	9.52	7.43	10.41	7.91	6.17	3.06	2,283.99
	MI-13	3	3.83E-03	3.80E-03	8.20E-03	0.01	0.03	0.03	0.03	0.02	0.03	0.02	0.02	8.79E-03	6.71
	MI-23	90	0.03	0.03	0.13	0.32	0.58	0.66	0.65	0.53	0.56	0.51	0.29	0.08	133.12
West Bend, Town	MI-06	4,961	110.56	126.35	211.34	271.82	377.33	378.97	326.10	338.91	329.75	282.35	238.48	161.62	95,868.80
	MI-18	5,093	20.81	20.87	57.17	104.56	154.13	126.57	103.04	110.53	117.09	105.53	76.78	39.22	31,503.83
	MI-22	17	0.02	0.01	0.04	0.09	0.17	0.17	0.16	0.14	0.17	0.13	0.08	0.03	37.22
	MI-23	164	0.06	0.06	0.24	0.58	1.05	1.20	1.17	0.96	1.01	0.92	0.53	0.14	241.16
Whitefish Bay, Village	MI-27	68	2.40	2.47	3.64	3.93	3.01	3.67	4.00	5.05	3.81	2.36	3.65	2.53	1,231.91
	MI-32	414	27.48	31.59	51.43	37.82	40.03	52.02	50.88	64.92	47.83	20.50	45.17	23.76	15,000.41

Table A.25 (MI) - Monthly Total Suspended Solids Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Monthly TSS Wasteload Allocation (lbs/month)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Bayside, Village	MI-30	245	236.19	294.44	514.07	582.73	439.87	267.29	209.32	302.54	294.35	201.54	292.21	221.51	3,856.06
Brown Deer, Village	MI-27	373	401.26	412.06	608.36	656.99	503.29	614.03	669.14	843.37	636.99	395.00	609.52	422.23	6,772.25
	MI-28	1,222	1,777.70	2,025.06	3,591.89	4,322.57	2,740.91	2,280.31	2,150.36	2,657.45	2,411.46	1,755.80	2,269.92	1,742.50	29,725.93
	MI-29	1,066	1,351.05	1,575.62	2,789.85	3,292.21	2,196.30	1,634.08	1,495.16	1,885.77	1,751.76	1,268.04	1,689.48	1,308.63	22,237.94
	MI-31	160	196.28	217.23	389.94	508.79	313.85	239.22	209.41	278.93	262.51	183.46	247.74	189.93	3,237.28
Cedarburg, City	MI-24	2,849	282.09	309.58	719.20	1,273.41	1,976.84	2,157.01	2,119.15	2,003.14	2,014.97	1,658.37	1,144.25	542.73	16,200.75
	MI-25	74	29.28	32.35	53.13	57.96	86.68	88.12	80.17	90.07	91.59	52.78	66.75	40.44	769.30
	MI-26	195	75.09	68.49	90.69	144.32	189.17	128.70	121.87	168.95	204.51	140.91	162.90	90.36	1,585.96
Cedarburg, Town	MI-17	1,617	374.84	481.64	640.05	971.00	1,482.13	1,794.83	1,891.71	1,834.66	1,745.78	1,254.85	1,022.07	633.89	14,127.45
	MI-21	425	26.38	22.74	39.52	103.71	209.87	215.18	246.24	271.28	334.92	200.47	150.64	60.16	1,881.13
	MI-22	2,753	76.50	68.81	197.54	445.01	851.96	857.20	796.84	712.22	864.46	635.84	416.97	149.36	6,072.72
	MI-24	9,548	945.31	1,037.41	2,410.10	4,267.29	6,624.55	7,228.29	7,101.43	6,712.65	6,752.32	5,557.32	3,834.48	1,818.72	54,289.89
	MI-26	1,596	614.98	560.91	742.71	1,181.87	1,549.19	1,053.97	998.07	1,383.62	1,674.85	1,154.01	1,334.03	739.98	12,988.18
Fox Point, Village	MI-27	73	78.80	80.92	119.47	129.02	98.83	120.58	131.40	165.62	125.09	77.57	119.70	82.92	1,329.91
	MI-30	959	925.65	1,153.91	2,014.63	2,283.74	1,723.85	1,047.50	820.33	1,185.64	1,153.57	789.85	1,145.17	868.10	15,111.94
Germantown, Village	MI-21	3,279	203.39	175.33	304.69	799.63	1,618.10	1,659.02	1,898.52	2,091.58	2,582.27	1,545.66	1,161.46	463.86	14,503.52
Glendale, City	MI-27	2,737	2,943.57	3,022.79	4,462.82	4,819.60	3,692.10	4,504.47	4,908.72	6,186.87	4,672.90	2,897.71	4,471.38	3,097.43	49,680.35
	MI-30	121	116.85	145.66	254.31	288.28	217.61	132.23	103.55	149.67	145.62	99.71	144.56	109.58	1,907.62
	MI-31	430	529.19	585.69	1,051.32	1,371.76	846.19	644.96	564.59	752.02	707.76	494.62	667.95	512.08	8,728.15
	MI-32	492	992.69	1,141.42	1,858.23	1,366.26	1,446.33	1,879.61	1,838.34	2,345.44	1,728.25	740.76	1,632.08	858.31	17,827.71
Grafton, Town	MI-16	5	0.50	0.65	0.95	2.15	2.98	5.02	5.01	4.96	4.09	3.06	2.19	1.10	32.66
	MI-17	3,397	787.35	1,011.69	1,344.44	2,039.59	3,113.24	3,770.07	3,973.58	3,853.73	3,667.04	2,635.84	2,146.87	1,331.49	29,674.91
	MI-24	312	30.92	33.93	78.83	139.57	216.67	236.42	232.27	219.56	220.85	181.77	125.42	59.49	1,775.70
	MI-25	5,975	2,350.21	2,596.47	4,264.65	4,652.49	6,957.78	7,073.16	6,435.13	7,229.76	7,351.78	4,236.49	5,358.14	3,245.90	61,751.96
Grafton, Village	MI-17	2,029	470.36	604.38	803.16	1,218.44	1,859.83	2,252.22	2,373.79	2,302.20	2,190.67	1,574.64	1,282.53	795.42	17,727.63
	MI-24	413	40.86	44.84	104.17	184.45	286.34	312.44	306.95	290.15	291.86	240.21	165.74	78.61	2,346.64
	MI-25	797	313.36	346.19	568.61	620.33	927.69	943.08	858.01	963.96	980.23	564.86	714.41	432.78	8,233.51
Jackson, Village	MI-18	142	17.62	17.67	48.41	88.54	130.51	107.17	87.25	93.59	99.15	89.36	65.01	33.21	877.51
	MI-20	710	61.78	72.87	227.03	454.34	496.86	351.86	471.64	343.55	379.93	412.21	275.48	120.95	3,668.52
	MI-21	846	52.45	45.21	78.57	206.19	417.24	427.79	489.55	539.33	665.85	398.56	299.49	119.61	3,739.83
	MI-22	241	6.71	6.03	17.32	39.03	74.72	75.18	69.88	62.46	75.81	55.76	36.57	13.10	532.57
Kewaskum, Village	MI-02	773	48.46	51.38	106.68	123.56	265.18	301.36	323.83	275.45	416.94	270.25	218.82	104.43	2,506.33
	MI-03	44	0.64	0.66	1.83	4.42	9.43	10.12	10.46	8.26	10.59	8.32	5.05	1.38	71.17
	MI-04	593	15.73	15.58	50.93	116.20	188.79	172.85	171.56	144.96	166.71	154.29	99.43	32.79	1,329.82
	MI-05	90	4.61	5.10	9.69	8.22	28.55	19.56	23.83	16.83	25.30	21.83	18.89	9.82	192.23
Mequon, City	MI-21	41	2.53	2.18	3.78	9.93	20.10	20.61	23.58	25.98	32.07	19.20	14.43	5.76	180.14
	MI-24	524	51.85	56.90	132.18	234.04	363.32	396.43	389.47	368.15	370.33	304.79	210.30	99.75	2,977.49
	MI-25	8,821	3,469.69	3,833.24	6,296.03	6,868.62	10,271.98	10,442.32	9,500.37	10,673.52	10,853.66	6,254.46	7,910.39	4,792.02	91,166.29
	MI-26	5,328	2,052.98	1,872.49	2,479.40	3,945.45	5,171.65	3,518.46	3,331.86	4,618.94	5,591.15	3,852.43	4,453.39	2,470.27	43,358.47
	MI-27	5,397	5,804.74	5,960.94	8,800.70	9,504.26	7,280.83	8,882.82	9,680.01	12,200.52	9,214.98	5,714.28	8,817.57	6,108.14	97,969.80
	MI-28	28	40.47	46.10	81.76	98.40	62.39	51.91	48.95	60.49	54.89	39.97	51.67	39.67	676.66

Table A.25 (MI) - Monthly Total Suspended Solids Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Monthly TSS Wasteload Allocation (lbs/month)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Milwaukee, City	MI-27	1,162	1,249.60	1,283.23	1,894.55	2,046.00	1,567.36	1,912.23	2,083.84	2,626.43	1,983.73	1,230.13	1,898.18	1,314.91	21,090.18
	MI-28	924	1,343.80	1,530.79	2,715.19	3,267.53	2,071.92	1,723.74	1,625.51	2,008.83	1,822.88	1,327.25	1,715.89	1,317.20	22,470.52
	MI-29	771	976.86	1,139.23	2,017.16	2,380.39	1,588.00	1,181.50	1,081.06	1,363.48	1,266.59	916.84	1,221.55	946.19	16,078.84
	MI-31	12,084	14,857.12	16,443.15	29,515.87	38,512.19	23,756.75	18,107.37	15,850.95	21,113.09	19,870.48	13,886.53	18,752.81	14,376.70	245,043.00
	MI-32	901	1,819.12	2,091.66	3,405.24	2,503.70	2,650.43	3,444.41	3,368.79	4,298.06	3,167.06	1,357.45	2,990.82	1,572.86	32,669.61
Port Washington, City	MI-16	92	9.82	12.72	18.49	41.91	58.19	97.92	97.79	96.67	79.74	59.61	42.77	21.38	637.02
	MI-25	105	41.41	45.75	75.14	81.98	122.60	124.63	113.39	127.39	129.54	74.65	94.41	57.19	1,088.10
Richfield, Village	MI-21	3,638	225.63	194.50	338.00	887.05	1,794.99	1,840.39	2,106.07	2,320.24	2,864.56	1,714.63	1,288.43	514.57	16,089.06
River Hills, Village	MI-27	2,044	2,198.74	2,257.91	3,333.56	3,600.06	2,757.86	3,364.67	3,666.63	4,621.36	3,490.48	2,164.48	3,339.95	2,313.66	37,109.36
	MI-29	30	37.63	43.89	77.71	91.70	61.17	45.51	41.65	52.53	48.79	35.32	47.06	36.45	619.41
	MI-30	660	636.80	793.84	1,385.97	1,571.11	1,185.93	720.63	564.35	815.66	793.60	543.38	787.82	597.21	10,396.30
Saukville, Village	MI-16	1,961	209.42	271.26	394.42	893.80	1,241.09	2,088.46	2,085.57	2,061.64	1,700.70	1,271.25	912.25	456.06	13,585.93
	MI-17	312	72.27	92.86	123.40	187.21	285.76	346.05	364.73	353.73	336.59	241.94	197.06	122.21	2,723.80
Shorewood, Village	MI-32	461	930.76	1,070.20	1,742.30	1,281.02	1,356.10	1,762.34	1,723.65	2,199.11	1,620.43	694.54	1,530.26	804.76	16,715.47
Slinger, Village	MI-18	64	7.98	8.01	21.93	40.11	59.13	48.55	39.53	42.40	44.92	40.48	29.45	15.05	397.53
	MI-19	4	0.13	0.14	0.41	0.88	1.42	1.17	1.18	0.99	1.13	1.08	0.71	0.27	9.51
	MI-21	710	44.01	37.94	65.93	173.03	350.14	359.00	410.82	452.60	558.78	334.46	251.33	100.37	3,138.41
Thiensville, Village	MI-25	196	77.28	85.38	140.23	152.98	228.78	232.57	211.60	237.72	241.74	139.30	176.18	106.73	2,030.48
	MI-26	417	160.83	146.69	194.24	309.09	405.15	275.64	261.02	361.85	438.01	301.80	348.88	193.52	3,396.71
	MI-27	67	72.40	74.35	109.77	118.55	90.81	110.80	120.74	152.18	114.94	71.27	109.98	76.19	1,221.98
West Bend, City	MI-02	12	0.76	0.80	1.67	1.94	4.15	4.72	5.07	4.31	6.53	4.23	3.43	1.64	39.26
	MI-06	8,433	5,713.35	6,529.06	10,920.90	14,046.44	19,498.87	19,583.40	16,851.15	17,513.14	17,040.04	14,590.54	12,323.75	8,351.79	162,962.43
	MI-07	816	43.60	45.64	81.86	157.53	333.37	268.89	289.53	225.95	316.50	240.39	187.64	93.10	2,283.99
	MI-13	3	0.12	0.12	0.25	0.43	1.04	0.84	0.92	0.62	0.84	0.68	0.60	0.27	6.71
	MI-23	90	1.06	1.04	4.00	9.77	17.54	20.17	19.71	16.14	16.94	15.45	8.92	2.38	133.12
West Bend, Town	MI-06	4,961	3,361.09	3,840.97	6,424.63	8,263.35	11,470.95	11,520.67	9,913.32	10,302.77	10,024.45	8,583.44	7,249.91	4,913.25	95,868.80
	MI-18	5,093	632.58	634.52	1,738.11	3,178.72	4,685.66	3,847.58	3,132.34	3,360.13	3,559.50	3,208.25	2,334.07	1,192.37	31,503.83
	MI-22	17	0.47	0.42	1.21	2.73	5.22	5.25	4.88	4.36	5.30	3.90	2.56	0.92	37.22
	MI-23	164	1.91	1.88	7.24	17.70	31.78	36.54	35.70	29.25	30.69	28.00	16.17	4.32	241.16
Whitefish Bay, Village	MI-27	68	72.99	74.96	110.66	119.51	91.55	111.70	121.72	153.41	115.87	71.85	110.88	76.81	1,231.91
	MI-32	414	835.26	960.40	1,563.53	1,149.59	1,216.96	1,581.52	1,546.80	1,973.48	1,454.17	623.28	1,373.25	722.19	15,000.41

Table A.26 (MI) - Daily Fecal Coliform Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Daily Fecal Coliform Wasteload Allocation (billion cells/day)				
			Low	Dry	Mid	Moist	Wet
Bayside, Village	MI-30	245	0.55	1.27	2.24	3.95	9.09
Brown Deer, Village	MI-27	373	1.06	2.33	3.98	6.79	14.86
	MI-28	1,222	5.71	10.99	17.18	26.85	51.69
	MI-29	1,066	3.95	7.91	12.71	20.41	40.91
	MI-31	160	0.55	1.14	1.86	3.05	6.27
Cedarburg, City	MI-24	2,849	2.97	10.05	18.57	32.08	66.80
	MI-25	74	0.15	0.36	0.64	1.14	2.66
	MI-26	195	0.34	0.89	1.71	3.28	8.43
Cedarburg, Town	MI-17	1,617	0.94	4.06	7.50	12.60	24.77
	MI-21	425	0.47	1.36	2.47	4.29	9.20
	MI-22	2,753	1.60	4.71	9.82	20.40	58.98
	MI-24	9,548	9.96	33.69	62.22	107.51	223.84
	MI-26	1,596	2.81	7.32	14.03	26.83	69.08
Fox Point, Village	MI-27	73	0.21	0.46	0.78	1.33	2.92
	MI-30	959	2.16	4.97	8.77	15.47	35.61
Germantown, Village	MI-21	3,279	3.64	10.47	19.02	33.06	70.92
Glendale, City	MI-27	2,737	7.80	17.09	29.17	49.78	108.99
	MI-30	121	0.27	0.63	1.11	1.95	4.50
	MI-31	430	1.49	3.07	5.03	8.22	16.90
	MI-32	492	1.49	3.46	6.15	10.93	25.42
Grafton, Town	MI-16	5	5.95E-03	0.02	0.03	0.04	0.07
	MI-17	3,397	1.98	8.52	15.75	26.46	52.04
	MI-24	312	0.33	1.10	2.04	3.52	7.32
	MI-25	5,975	12.30	28.77	51.32	91.47	213.13
Grafton, Village	MI-17	2,029	1.18	5.09	9.41	15.81	31.09
	MI-24	413	0.43	1.46	2.69	4.65	9.68
	MI-25	797	1.64	3.84	6.84	12.20	28.42
Jackson, Village	MI-18	142	0.21	0.49	0.87	1.54	3.54
	MI-20	710	0.44	1.23	2.48	5.00	13.97
	MI-21	846	0.94	2.70	4.90	8.52	18.29
	MI-22	241	0.14	0.41	0.86	1.79	5.17
Kewaskum, Village	MI-02	773	0.57	1.72	3.24	5.85	13.30
	MI-03	44	0.02	0.07	0.13	0.27	0.75
	MI-04	593	0.38	1.07	2.17	4.38	12.30
	MI-05	90	0.07	0.18	0.35	0.68	1.80
Mequon, City	MI-21	41	0.05	0.13	0.24	0.41	0.88
	MI-24	524	0.55	1.85	3.41	5.90	12.28
	MI-25	8,821	18.15	42.48	75.77	135.04	314.65
	MI-26	5,328	9.39	24.43	46.82	89.57	230.60
	MI-27	5,397	15.37	33.70	57.52	98.16	214.92
	MI-28	28	0.13	0.25	0.39	0.61	1.18

Table A.26 (MI) - Daily Fecal Coliform Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Daily Fecal Coliform Wasteload Allocation (billion cells/day)				
			Low	Dry	Mid	Moist	Wet
Milwaukee, City	MI-27	1,162	3.31	7.25	12.38	21.13	46.27
	MI-28	924	4.31	8.31	12.98	20.29	39.07
	MI-29	771	2.85	5.72	9.19	14.76	29.58
	MI-31	12,084	41.95	86.31	141.12	230.73	474.60
	MI-32	901	2.73	6.34	11.27	20.03	46.58
Port Washington, City	MI-16	92	0.12	0.30	0.50	0.79	1.45
	MI-25	105	0.22	0.51	0.90	1.61	3.76
Richfield, Village	MI-21	3,638	4.03	11.62	21.10	36.67	78.68
River Hills, Village	MI-27	2,044	5.82	12.76	21.79	37.18	81.41
	MI-29	30	0.11	0.22	0.35	0.57	1.14
	MI-30	660	1.48	3.42	6.03	10.64	24.50
Saukville, Village	MI-16	1,961	2.47	6.36	10.58	16.75	31.02
	MI-17	312	0.18	0.78	1.45	2.43	4.78
Shorewood, Village	MI-32	461	1.40	3.25	5.77	10.25	23.83
Slinger, Village	MI-18	64	0.10	0.22	0.39	0.70	1.60
	MI-19	4	2.96E-03	8.58E-03	0.02	0.04	0.10
	MI-21	710	0.79	2.27	4.12	7.15	15.35
Thiensville, Village	MI-25	196	0.40	0.95	1.69	3.01	7.01
	MI-26	417	0.74	1.91	3.67	7.02	18.07
	MI-27	67	0.19	0.42	0.72	1.22	2.68
West Bend, City	MI-02	12	8.96E-03	0.03	0.05	0.09	0.21
	MI-06	8,433	7.90	45.22	82.59	133.56	242.11
	MI-07	816	0.70	1.84	3.47	6.47	15.85
	MI-13	3	1.86E-03	5.16E-03	0.01	0.02	0.06
	MI-23	90	0.02	0.05	0.11	0.22	0.65
West Bend, Town	MI-06	4,961	4.65	26.60	48.58	78.57	142.43
	MI-18	5,093	7.60	17.61	31.19	55.19	127.12
	MI-22	17	9.82E-03	0.03	0.06	0.13	0.36
	MI-23	164	0.03	0.09	0.20	0.40	1.17
Whitefish Bay, Village	MI-27	68	0.19	0.42	0.72	1.23	2.70
	MI-32	414	1.25	2.91	5.18	9.20	21.39

Table A.27 (MI) - Monthly Fecal Coliform Wasteload Allocation by MS4 - FINAL

Municipality	Reach	Area (acres)	Monthly Fecal Coliform Wasteload Allocation (billion cells/month)				
			Low	Dry	Mid	Moist	Wet
Bayside, Village	MI-30	245	16.73	38.52	67.99	120.02	276.26
Brown Deer, Village	MI-27	373	32.30	70.81	120.87	206.28	451.64
	MI-28	1,222	173.48	334.08	522.16	816.11	1,571.40
	MI-29	1,066	119.97	240.49	386.31	620.54	1,243.78
	MI-31	160	16.85	34.66	56.68	92.66	190.61
Cedarburg, City	MI-24	2,849	90.34	305.62	564.43	975.34	2,030.62
	MI-25	74	4.66	10.90	19.44	34.64	80.72
	MI-26	195	10.44	27.17	52.07	99.59	256.42
Cedarburg, Town	MI-17	1,617	28.59	123.32	227.88	382.96	753.14
	MI-21	425	14.34	41.30	74.99	130.34	279.64
	MI-22	2,753	48.69	143.31	298.57	620.29	1,792.95
	MI-24	9,548	302.73	1,024.17	1,891.43	3,268.42	6,804.74
	MI-26	1,596	85.50	222.50	426.40	815.63	2,099.98
Fox Point, Village	MI-27	73	6.34	13.91	23.74	40.51	88.69
	MI-30	959	65.56	150.94	266.46	470.35	1,082.65
Germantown, Village	MI-21	3,279	110.57	318.43	578.20	1,004.96	2,156.06
Glendale, City	MI-27	2,737	236.98	519.47	886.71	1,513.23	3,313.20
	MI-30	121	8.28	19.05	33.64	59.37	136.67
	MI-31	430	45.42	93.46	152.81	249.83	513.90
	MI-32	492	45.26	105.23	187.01	332.35	772.66
Grafton, Town	MI-16	5	0.18	0.46	0.77	1.22	2.27
	MI-17	3,397	60.05	259.03	478.66	804.42	1,581.98
	MI-24	312	9.90	33.50	61.86	106.90	222.57
	MI-25	5,975	373.82	874.65	1,560.16	2,780.76	6,479.13
Grafton, Village	MI-17	2,029	35.87	154.74	285.95	480.56	945.07
	MI-24	413	13.09	44.27	81.76	141.27	294.13
	MI-25	797	49.84	116.62	208.02	370.76	863.88
Jackson, Village	MI-18	142	6.44	14.91	26.41	46.73	107.64
	MI-20	710	13.39	37.45	75.47	152.06	424.55
	MI-21	846	28.51	82.11	149.09	259.13	555.95
	MI-22	241	4.27	12.57	26.18	54.40	157.24
Kewaskum, Village	MI-02	773	17.39	52.37	98.51	177.78	404.39
	MI-03	44	0.72	2.01	4.07	8.21	22.85
	MI-04	593	11.52	32.49	65.82	133.22	373.91
	MI-05	90	2.08	5.52	10.71	20.77	54.62
Mequon, City	MI-21	41	1.37	3.95	7.18	12.48	26.78
	MI-24	524	16.60	56.17	103.73	179.25	373.20
	MI-25	8,821	551.88	1,291.28	2,303.31	4,105.32	9,565.34
	MI-26	5,328	285.43	742.78	1,423.47	2,722.81	7,010.36
	MI-27	5,397	467.33	1,024.41	1,748.60	2,984.09	6,533.64
	MI-28	28	3.95	7.60	11.89	18.58	35.77

Table A.27 (MI) - Monthly Fecal Coliform Wasteload Allocation by MS4 - FINAL

Municipality	Reach	Area (acres)	Monthly Fecal Coliform Wasteload Allocation (billion cells/month)				
			Low	Dry	Mid	Moist	Wet
Milwaukee, City	MI-27	1,162	100.60	220.53	376.42	642.39	1,406.51
	MI-28	924	131.14	252.54	394.71	616.92	1,187.86
	MI-29	771	86.74	173.88	279.32	448.68	899.30
	MI-31	12,084	1,275.31	2,623.81	4,290.04	7,014.12	14,427.87
	MI-32	901	82.94	192.83	342.70	609.03	1,415.91
Port Washington, City	MI-16	92	3.53	9.06	15.08	23.87	44.22
	MI-25	105	6.59	15.41	27.49	49.00	114.17
Richfield, Village	MI-21	3,638	122.66	353.24	641.41	1,114.82	2,391.76
River Hills, Village	MI-27	2,044	177.02	388.03	662.34	1,130.32	2,474.84
	MI-29	30	3.34	6.70	10.76	17.28	34.64
	MI-30	660	45.10	103.84	183.31	323.58	744.81
Saukville, Village	MI-16	1,961	75.21	193.28	321.60	509.11	943.02
	MI-17	312	5.51	23.78	43.94	73.84	145.21
Shorewood, Village	MI-32	461	42.44	98.66	175.34	311.61	724.45
Slinger, Village	MI-18	64	2.92	6.76	11.96	21.17	48.76
	MI-19	4	0.09	0.26	0.54	1.11	3.19
	MI-21	710	23.93	68.90	125.12	217.46	466.55
Thiensville, Village	MI-25	196	12.29	28.76	51.30	91.43	213.04
	MI-26	417	22.36	58.19	111.51	213.31	549.19
	MI-27	67	5.83	12.78	21.81	37.22	81.49
West Bend, City	MI-02	12	0.27	0.82	1.54	2.78	6.33
	MI-06	8,433	240.24	1,374.77	2,510.60	4,060.30	7,360.03
	MI-07	816	21.20	56.07	105.62	196.54	481.71
	MI-13	3	0.06	0.16	0.31	0.63	1.74
	MI-23	90	0.54	1.58	3.28	6.79	19.72
West Bend, Town	MI-06	4,961	141.33	808.76	1,476.96	2,388.63	4,329.81
	MI-18	5,093	231.10	535.33	948.21	1,677.77	3,864.48
	MI-22	17	0.30	0.88	1.83	3.80	10.99
	MI-23	164	0.98	2.87	5.94	12.31	35.72
Whitefish Bay, Village	MI-27	68	5.88	12.88	21.99	37.52	82.16
	MI-32	414	38.08	88.54	157.35	279.64	650.12

Table A.28 (MI) - Required Percent Reduction of MS4 TP and TSS by Reach and Municipality - FINAL

Note: Percent reduction is calculated as the average of the monthly percent load reductions from baseline. Baseline MS4 loads reflect 20% TSS reduction from no controls (and associated reduction of TP).

Reach	TP Target (mg/L)	Annual Allowable TP Load for Reach (lbs/year)	TSS Target (mg/L)	Annual Allowable TSS Load for Reach (lbs/year)	Municipality	MS4 Area (acres)	Average TP Percent Reduction for MS4	Average TSS Percent Reduction for MS4
MI-02	0.075	1,699	12	271,828		785	68%	67%
					Kewaskum, Village	773	68%	67%
					West Bend, City	12	68%	67%
MI-03	0.075	2,782	12	445,171	Kewaskum, Village	44	42%	72%
						44	42%	72%
MI-04	0.075	578	12	92,423	Kewaskum, Village	593	50%	71%
MI-05	0.075	2,393	12	382,844		90	45%	67%
					Kewaskum, Village	90	45%	67%
MI-06	0.075	4,625	12	739,927		13,394	85%	67%
					West Bend, City	8,433	85%	67%
					West Bend, Town	4,961	85%	67%
MI-07	0.075	1,566	12	250,577	West Bend, City	816	63%	74%
						816	63%	74%
MI-13	0.075	2,640	12	422,377	West Bend, City	3	40%	68%
						3	40%	68%
MI-16	0.075	1,697	12	271,547	Grafton, Town	2,058	75%	69%
					Port Washington, City	5	75%	69%
					Saukville, Village	92	75%	69%
						1,961	75%	69%
MI-17	0.075	1,759	12	281,517	Cedarburg, Town	7,356	81%	70%
					Grafton, Town	1,617	81%	70%
					Grafton, Village	3,397	81%	70%
					Saukville, Village	2,029	81%	70%
						312	81%	70%
MI-18	0.075	1,184	12	189,496	Jackson, Village	5,299	68%	71%
					Slinger, Village	142	68%	71%
					West Bend, Town	64	68%	71%
						5,093	68%	71%
MI-19	0.075	55	12	8,844	Slinger, Village	4	56%	72%
						4	56%	72%
MI-20	0.075	109	12	17,362	Jackson, Village	710	75%	76%
						710	75%	76%
MI-21	0.075	2,746	12	439,332	Cedarburg, Town	8,938	75%	76%
					Germantown, Village	425	75%	76%
					Jackson, Village	3,279	75%	76%
					Mequon, City	846	75%	76%
					Richfield, Village	41	75%	76%
					Slinger, Village	3,638	75%	76%
MI-22	0.075	1,273	12	203,673	Cedarburg, Town	710	49%	71%
					Jackson, Village	2,753	49%	71%
					West Bend, Town	241	49%	71%
						17	49%	71%
MI-23	0.075	229	12	36,630	West Bend, City	254	47%	74%
					West Bend, Town	90	47%	74%
						164	47%	74%
MI-24	0.075	3,196	12	511,431	Cedarburg, City	13,646	77%	67%
					Cedarburg, Town	2,849	77%	67%
					Grafton, Town	9,548	77%	67%
					Grafton, Village	312	77%	67%
					Mequon, City	413	77%	67%
						524	77%	67%

Table A.28 (MI) - Required Percent Reduction of MS4 TP and TSS by Reach and Municipality - FINAL

Note: Percent reduction is calculated as the average of the monthly percent load reductions from baseline. Baseline MS4 loads reflect 20% TSS reduction from no controls (and associated reduction of TP).

Reach	TP Target (mg/L)	Annual Allowable TP Load for Reach (lbs/year)	TSS Target (mg/L)	Annual Allowable TSS Load for Reach (lbs/year)	Municipality	MS4 Area (acres)	Average TP Percent Reduction for MS4	Average TSS Percent Reduction for MS4
MI-25	0.1	9,382	12	336,698		15,968	36%	77%
					Cedarburg, City	74	36%	77%
					Grafton, Town	5,975	36%	77%
					Grafton, Village	797	36%	77%
					Mequon, City	8,821	36%	77%
					Port Washington, City	105	36%	77%
Thiensville, Village	196	36%	77%					
MI-26	0.075	822	12	131,510		7,536	87%	88%
					Cedarburg, City	195	87%	88%
					Cedarburg, Town	1,596	87%	88%
					Mequon, City	5,328	87%	88%
Thiensville, Village	417	87%	88%					
MI-27	0.1	7,855	12	287,668		11,922	48%	66%
					Brown Deer, Village	373	48%	66%
					Fox Point, Village	73	48%	66%
					Glendale, City	2,737	48%	66%
					Mequon, City	5,397	48%	66%
					Milwaukee, City	1,162	48%	66%
					River Hills, Village	2,044	48%	66%
					Thiensville, Village	67	48%	66%
Whitefish Bay, Village	68	48%	66%					
MI-28	0.075	351	12	56,140		2,174	87%	66%
					Brown Deer, Village	1,222	87%	66%
					Mequon, City	28	87%	66%
Milwaukee, City	924	87%	66%					
MI-29	0.075	259	12	41,384		1,867	86%	64%
					Brown Deer, Village	1,066	86%	64%
					Milwaukee, City	771	86%	64%
River Hills, Village	30	86%	64%					
MI-30	0.075	213	12	34,099		1,984	73%	57%
					Bayside, Village	245	73%	57%
					Fox Point, Village	959	73%	57%
					Glendale, City	121	73%	57%
River Hills, Village	660	73%	57%					
MI-31	0.075	1,710	12	273,541		12,674	84%	64%
					Brown Deer, Village	160	84%	64%
					Glendale, City	430	84%	64%
Milwaukee, City	12,084	84%	64%					
MI-32	0.1	2,412	12	90,123		2,268	14%	48%
					Glendale, City	492	14%	48%
					Milwaukee, City	901	14%	48%
					Shorewood, Village	461	14%	48%
Whitefish Bay, Village	414	14%	48%					

Table A.29 (MI) - Required Percent Reduction of MS4 TP and TSS by Municipality - FINAL

Note: Percent reduction is calculated as the average of the monthly percent load reductions from baseline.

Municipality	Reach	Area (acres)	Average TP Percent Reduction	Average TSS Percent Reduction
Bayside, Village	MI-30	245	73%	57%
Brown Deer, Village	MI-27	373	48%	66%
	MI-28	1,222	87%	66%
	MI-29	1,066	86%	64%
	MI-31	160	84%	64%
Cedarburg, City	MI-24	2,849	77%	67%
	MI-25	74	36%	77%
	MI-26	195	87%	88%
Cedarburg, Town	MI-17	1,617	81%	70%
	MI-21	425	75%	76%
	MI-22	2,753	49%	71%
	MI-24	9,548	77%	67%
	MI-26	1,596	87%	88%
Fox Point, Village	MI-27	73	48%	66%
	MI-30	959	73%	57%
Germantown, Village	MI-21	3,279	75%	76%
Glendale, City	MI-27	2,737	48%	66%
	MI-30	121	73%	57%
	MI-31	430	84%	64%
	MI-32	492	14%	48%
Grafton, Town	MI-16	5	75%	69%
	MI-17	3,397	81%	70%
	MI-24	312	77%	67%
	MI-25	5,975	36%	77%
Grafton, Village	MI-17	2,029	81%	70%
	MI-24	413	77%	67%
	MI-25	797	36%	77%
Jackson, Village	MI-18	142	68%	71%
	MI-20	710	75%	76%
	MI-21	846	75%	76%
	MI-22	241	49%	71%
Kewaskum, Village	MI-02	773	68%	67%
	MI-03	44	42%	72%
	MI-04	593	50%	71%
	MI-05	90	45%	67%
Mequon, City	MI-21	41	75%	76%
	MI-24	524	77%	67%
	MI-25	8,821	36%	77%
	MI-26	5,328	87%	88%
	MI-27	5,397	48%	66%
	MI-28	28	87%	66%

Table A.29 (MI) - Required Percent Reduction of MS4 TP and TSS by Municipality - FINAL

Note: Percent reduction is calculated as the average of the monthly percent load reductions from baseline.

Municipality	Reach	Area (acres)	Average TP Percent Reduction	Average TSS Percent Reduction
Milwaukee, City	MI-27	1,162	48%	66%
	MI-28	924	87%	66%
	MI-29	771	86%	64%
	MI-31	12,084	84%	64%
	MI-32	901	14%	48%
Port Washington, City	MI-16	92	75%	69%
	MI-25	105	36%	77%
Richfield, Village	MI-21	3,638	75%	76%
River Hills, Village	MI-27	2,044	48%	66%
	MI-29	30	86%	64%
	MI-30	660	73%	57%
Saukville, Village	MI-16	1,961	75%	69%
	MI-17	312	81%	70%
Shorewood, Village	MI-32	461	14%	48%
Slinger, Village	MI-18	64	68%	71%
	MI-19	4	56%	72%
	MI-21	710	75%	76%
Thiensville, Village	MI-25	196	36%	77%
	MI-26	417	87%	88%
	MI-27	67	48%	66%
West Bend, City	MI-02	12	68%	67%
	MI-06	8,433	85%	67%
	MI-07	816	63%	74%
	MI-13	3	40%	68%
	MI-23	90	47%	74%
West Bend, Town	MI-06	4,961	85%	67%
	MI-18	5,093	68%	71%
	MI-22	17	49%	71%
	MI-23	164	47%	74%
Whitefish Bay, Village	MI-27	68	48%	66%
	MI-32	414	14%	48%

Table A.30 (MI) - Required Percent Reduction of Agricultural and Non-Permitted Urban TP and TSS by Reach - FINAL

Note: Percent reduction is calculated as the average of the monthly percent load reductions from baseline.

Reach	Required Average Percent Reduction of TP from Baseline Load		Required Average Percent Reduction of TSS from Baseline Load	
	Agricultural	Non-Permitted Urban	Agricultural	Non-Permitted Urban
MI-01	42%	59%	69%	71%
MI-02	49%	70%	62%	68%
MI-03	37%	44%	70%	73%
MI-04	38%	52%	68%	72%
MI-05	35%	47%	63%	68%
MI-06	62%	85%	54%	68%
MI-07	45%	64%	68%	75%
MI-08	43%	59%	66%	67%
MI-09	59%	78%	52%	53%
MI-10	29%	39%	64%	65%
MI-11	19%	23%	50%	51%
MI-12	27%	33%	64%	63%
MI-13	33%	42%	66%	69%
MI-14	62%	78%	70%	74%
MI-15	51%	70%	57%	62%
MI-16	53%	76%	65%	70%
MI-17	57%	82%	61%	71%
MI-18	40%	69%	63%	72%
MI-19	40%	57%	68%	73%
MI-20	49%	76%	68%	76%
MI-21	51%	76%	70%	76%
MI-22	37%	50%	68%	72%
MI-23	38%	49%	72%	75%
MI-24	52%	78%	60%	68%
MI-25	23%	38%	62%	78%
MI-26	65%	-	75%	-
MI-27	27%	-	45%	-
MI-28	59%	-	39%	-
MI-29	-	-	-	-
MI-30	-	-	-	-
MI-31	70%	-	45%	-
MI-32	12%	-	26%	-

Table A.1 (MN) - Baseline Nonpoint Source Total Phosphorus Loads - FINAL

Note: Loads are averaged for each calendar month over the 10-year simulation period (1988 - 1997).

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Average Annual TP Load (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MN-1 Menomonee River From Nor-X-Way Channel to Headwaters	Background	11.95	26.66	85.85	135.82	44.62	82.70	34.44	2.15	1.94	2.75	7.74	7.19	443.81
	Agricultural	9.12	25.11	38.99	90.61	34.73	139.26	36.04	7.82	6.82	7.29	10.76	6.92	413.46
	Non-Permitted Urban	4.41	6.39	14.61	12.90	9.16	14.98	12.10	7.68	6.62	6.85	8.67	3.44	107.82
MN-2 Goldendale Creek Entire Length	Background	0.59	1.28	4.07	6.50	2.18	4.05	1.71	0.12	0.11	0.15	0.39	0.36	21.49
	Agricultural	1.09	3.24	5.04	9.20	4.58	19.52	4.43	1.17	1.01	1.02	1.40	0.92	52.62
	Non-Permitted Urban	0.01	0.02	0.04	0.03	0.02	0.05	0.04	0.02	0.02	0.02	0.02	8.55E-03	0.29
MN-3 West Branch Menomonee River Entire Length	Background	0.98	2.15	6.86	10.94	3.65	6.80	2.86	0.20	0.18	0.25	0.66	0.61	36.13
	Agricultural	0.51	1.51	2.36	4.33	2.15	9.05	2.09	0.55	0.47	0.48	0.65	0.43	24.57
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-4 Willow Creek Entire Length	Background	2.67	5.62	17.54	28.42	10.44	18.80	7.97	0.65	0.58	0.79	1.89	1.72	97.08
	Agricultural	1.74	4.89	7.71	16.14	7.59	28.68	7.16	1.75	1.48	1.52	2.14	1.39	82.19
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-5 Nor-X-Way Channel Entire Length	Background	1.83	2.74	9.06	17.51	6.88	12.26	6.37	0.92	0.53	0.53	0.96	1.03	60.61
	Agricultural	0.49	0.65	1.32	4.27	1.95	4.44	1.86	0.42	0.37	0.34	0.46	0.37	16.93
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-6 Menomonee River and Dretzka Park Creek From Little Menomonee River to Nor-X-Way Channel	Background	3.54	5.56	19.91	36.68	14.12	23.73	11.96	1.70	0.82	0.81	1.69	1.81	122.34
	Agricultural	0.21	0.25	0.51	1.69	0.86	1.52	0.86	0.20	0.17	0.15	0.19	0.16	6.76
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-7 Lilly Creek Entire Length	Background	1.24	1.95	7.00	13.05	5.26	8.58	4.33	0.62	0.27	0.26	0.58	0.63	43.78
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-8 Butler Ditch Entire Length	Background	1.17	1.20	8.90	20.32	5.54	7.03	2.20	2.73	0.31	0.51	0.65	0.91	51.48
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-9 Little Menomonee River Entire Length	Background	9.47	12.34	72.46	81.37	28.51	57.77	13.09	3.18	1.58	5.70	11.93	6.80	304.21
	Agricultural	13.17	17.42	85.04	65.33	23.03	140.26	29.64	10.30	6.60	10.25	15.97	9.99	427.02
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-10 Menomonee River From Underwood Creek to Little Menomonee River	Background	1.33	2.08	9.13	16.11	5.94	9.49	4.41	1.08	0.33	0.44	0.76	0.80	51.91
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-11 Underwood Creek and Dousman Ditch From South Branch Underwood Creek to Headwaters	Background	3.57	6.15	41.38	63.59	20.82	30.52	10.79	5.83	0.86	1.94	2.61	2.76	190.81
	Agricultural	0.17	0.25	1.07	2.53	0.90	1.35	0.75	0.28	0.12	0.17	0.21	0.15	7.95
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-12 Underwood Creek From Menomonee River to South Branch Underwood Creek	Background	0.45	0.69	4.25	7.06	2.44	3.63	1.44	0.70	0.14	0.26	0.36	0.37	21.78
	Agricultural	0.45	0.67	3.84	8.43	3.15	3.84	1.90	0.84	0.27	0.48	0.52	0.40	24.78
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-13 South Branch Underwood Creek Entire Length	Background	0.30	0.41	2.32	4.21	1.53	2.32	1.00	0.45	0.11	0.18	0.26	0.26	13.35
	Agricultural	0.18	0.27	1.91	3.90	1.46	1.72	0.76	0.44	0.10	0.19	0.21	0.17	11.33
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-14 Menomonee River From Honey Creek to Underwood Creek	Background	0.24	0.37	2.31	3.83	1.32	1.97	0.78	0.38	0.08	0.14	0.19	0.20	11.81
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-15 Honey Creek Entire Length	Background	0.32	0.36	2.43	5.23	1.40	1.67	0.87	0.53	0.12	0.34	0.32	0.26	13.83
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-16 Menomonee River From Estuary to Honey Creek	Background	0.83	1.13	6.19	11.47	4.21	6.39	2.82	1.24	0.33	0.51	0.72	0.72	36.56
	Agricultural	0.04	0.05	0.15	0.41	0.21	0.28	0.19	0.09	0.04	0.04	0.05	0.04	1.60
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A.2 (MN) - Baseline Nonpoint Source Total Suspended Solids Loads - FINAL

Note: Loads are averaged for each calendar month over the 10-year simulation period (1988 - 1997).

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Average Annual TSS Load (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MN-1 Menomonee River From Nor-X-Way Channel to Headwaters	Background	1,448.71	2,596.42	5,276.49	8,346.83	5,163.34	8,664.06	2,630.46	363.49	357.45	282.05	984.47	1,227.76	37,341.54
	Agricultural	3,401.92	10,453.56	17,026.83	39,094.80	12,394.84	63,744.56	13,077.34	3,167.77	3,072.58	2,621.48	3,728.51	2,487.35	174,271.55
	Non-Permitted Urban	449.25	846.03	2,814.49	4,181.77	3,501.17	5,901.27	6,021.28	5,995.24	3,412.28	2,886.47	2,192.22	320.80	38,522.27
MN-2 Goldendale Creek Entire Length	Background	76.18	132.00	272.57	432.83	271.18	455.07	143.60	22.92	22.64	18.48	53.65	65.10	1,966.22
	Agricultural	415.77	1,450.18	2,408.57	4,268.66	1,668.94	9,726.45	1,659.16	493.03	479.37	382.75	498.12	345.63	23,796.62
	Non-Permitted Urban	1.24	2.36	7.79	11.30	9.42	18.63	17.51	16.97	9.39	7.45	5.90	0.91	108.86
MN-3 West Branch Menomonee River Entire Length	Background	126.99	220.78	455.17	722.50	452.10	758.65	238.50	37.57	37.10	30.19	89.11	108.43	3,277.08
	Agricultural	192.71	668.34	1,115.32	1,968.56	775.46	4,474.41	769.05	230.11	223.17	177.57	230.92	160.94	10,986.57
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-4 Willow Creek Entire Length	Background	389.94	641.66	1,358.53	2,169.75	1,385.55	2,325.20	774.53	145.75	144.62	121.84	288.65	337.25	10,083.27
	Agricultural	693.17	2,294.74	3,809.89	7,774.74	2,654.99	14,874.88	2,775.96	746.25	723.03	590.09	795.44	536.01	38,269.20
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-5 Nor-X-Way Channel Entire Length	Background	237.91	309.37	899.24	2,212.49	1,017.73	3,954.35	1,308.73	165.73	93.73	54.69	105.41	147.77	10,507.16
	Agricultural	334.53	513.30	1,126.02	4,590.56	1,736.60	5,176.94	1,537.26	213.48	182.81	174.55	303.73	215.07	16,104.84
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-6 Menomonee River and Dretzka Park Creek From Little Menomonee River to Nor-X-Way Channel	Background	405.31	554.33	1,788.97	4,007.32	1,753.27	6,341.79	2,057.77	280.02	130.48	59.09	149.98	218.26	17,746.59
	Agricultural	62.48	83.84	221.16	858.37	376.19	670.65	348.95	58.78	41.82	32.86	53.27	43.81	2,852.17
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-7 Lilly Creek Entire Length	Background	142.19	175.85	417.54	826.95	446.38	1,056.72	370.28	79.46	47.84	25.34	56.31	91.59	3,736.44
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-8 Butler Ditch Entire Length	Background	99.17	89.99	403.52	945.86	367.93	806.62	210.12	277.11	39.74	43.42	43.64	85.88	3,413.00
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-9 Little Menomonee River Entire Length	Background	1,186.25	1,214.96	4,890.45	6,172.43	2,862.86	7,500.04	1,420.34	521.43	278.91	617.53	1,535.77	1,049.66	29,250.63
	Agricultural	6,905.21	9,907.88	54,152.93	38,670.69	8,685.81	91,142.10	14,060.52	4,392.65	3,436.20	5,090.05	7,830.25	4,635.67	248,909.94
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-10 Menomonee River From Underwood Creek to Little Menomonee River	Background	160.32	218.75	911.45	1,846.40	762.14	2,411.44	807.31	198.95	59.59	55.31	82.18	105.76	7,619.60
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-11 Underwood Creek and Dousman Ditch From South Branch Underwood Creek to Headwaters	Background	317.15	436.40	1,886.23	3,193.15	1,352.83	2,759.96	1,019.62	533.19	100.15	156.28	190.72	253.75	12,199.43
	Agricultural	74.35	121.49	421.37	1,153.53	331.69	615.77	358.31	95.55	61.36	72.46	89.45	64.46	3,459.79
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-12 Underwood Creek From Menomonee River to South Branch Underwood Creek	Background	57.51	67.20	260.64	473.46	226.63	451.89	176.17	88.53	29.04	32.82	42.39	52.20	1,958.49
	Agricultural	134.81	207.03	1,169.74	2,606.41	937.30	1,052.48	511.39	223.26	93.63	145.11	150.27	119.06	7,350.48
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-13 South Branch Underwood Creek Entire Length	Background	48.07	51.65	186.99	355.69	182.33	359.27	143.94	70.90	28.40	29.13	38.39	45.98	1,540.73
	Agricultural	45.60	67.75	460.70	932.59	340.58	358.65	155.61	100.23	31.51	45.70	51.94	44.09	2,634.95
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-14 Menomonee River From Honey Creek to Underwood Creek	Background	32.96	44.96	259.52	475.81	182.60	482.70	171.89	73.65	15.55	24.30	25.85	29.60	1,819.40
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-15 Honey Creek Entire Length	Background	43.32	38.74	155.03	363.67	146.74	195.17	107.82	59.63	26.46	40.55	41.37	41.21	1,259.73
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
MN-16 Menomonee River From Estuary to Honey Creek	Background	143.79	167.84	896.69	1,775.81	742.74	2,006.04	727.08	288.64	83.78	101.17	120.28	137.92	7,191.76
	Agricultural	14.24	18.56	70.54	192.31	77.04	93.04	52.94	27.02	15.63	13.41	15.93	13.53	604.20
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A.3 (MN) - Baseline Nonpoint Source Fecal Coliform Loads - FINAL

Note: Loads are averaged for each calendar month over the 10-year simulation period (1988 - 1997).

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)					Average Recreation Season Fecal Coliform Load (billion cells/season)
		May	Jun	Jul	Aug	Sep	
MN-1 Menomonee River From Nor-X-Way Channel to Headwaters	Background	157.64	246.28	90.36	13.56	16.26	524.10
	Agricultural	284.39	1,319.07	510.01	84.42	94.68	2,292.57
	Non-Permitted Urban	1,438.50	1,782.73	1,775.98	1,411.06	1,219.29	7,627.56
MN-2 Goldendale Creek Entire Length	Background	7.92	12.60	4.71	0.78	0.95	26.96
	Agricultural	26.08	108.14	33.42	9.99	11.21	188.84
	Non-Permitted Urban	3.38	4.50	4.45	3.45	3.02	18.80
MN-3 West Branch Menomonee River Entire Length	Background	13.26	21.06	7.85	1.28	1.56	45.01
	Agricultural	13.58	60.34	21.27	4.98	5.49	105.66
	Non-Permitted Urban	-	-	-	-	-	-
MN-4 Willow Creek Entire Length	Background	37.71	61.89	23.75	4.45	5.55	133.35
	Agricultural	46.25	226.50	76.15	17.23	19.04	385.17
	Non-Permitted Urban	-	-	-	-	-	-
MN-5 Nor-X-Way Channel Entire Length	Background	18.93	33.34	15.93	5.15	4.34	77.69
	Agricultural	60.80	175.27	95.47	12.17	9.03	352.74
	Non-Permitted Urban	-	-	-	-	-	-
MN-6 Menomonee River and Dretzka Park Creek From Little Menomonee River to Nor-X-Way Channel	Background	32.91	54.69	24.89	7.92	5.82	126.23
	Agricultural	40.82	122.36	71.94	7.10	5.10	247.32
	Non-Permitted Urban	-	-	-	-	-	-
MN-7 Lilly Creek Entire Length	Background	12.88	40.82	24.87	9.76	4.75	93.08
	Agricultural	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-
MN-8 Butler Ditch Entire Length	Background	12.07	32.51	17.12	22.10	5.07	88.87
	Agricultural	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-
MN-9 Little Menomonee River Entire Length	Background	75.15	134.75	38.48	16.24	11.40	276.02
	Agricultural	203.59	1,698.71	477.16	202.33	102.78	2,684.57
	Non-Permitted Urban	-	-	-	-	-	-
MN-10 Menomonee River From Underwood Creek to Little Menomonee River	Background	14.22	33.17	19.84	11.17	4.24	82.64
	Agricultural	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-
MN-11 Underwood Creek and Dousman Ditch From South Branch Underwood Creek to Headwaters	Background	43.24	120.99	79.71	53.57	12.06	309.57
	Agricultural	29.45	53.22	29.58	16.20	3.48	131.93
	Non-Permitted Urban	-	-	-	-	-	-
MN-12 Underwood Creek From Menomonee River to South Branch Underwood Creek	Background	6.31	20.52	14.32	9.61	2.94	53.70
	Agricultural	118.81	216.88	123.80	58.44	12.51	530.44
	Non-Permitted Urban	-	-	-	-	-	-
MN-13 South Branch Underwood Creek Entire Length	Background	4.69	16.61	11.92	8.00	2.75	43.97
	Agricultural	75.79	132.16	68.62	36.97	5.51	319.05
	Non-Permitted Urban	-	-	-	-	-	-
MN-14 Menomonee River From Honey Creek to Underwood Creek	Background	3.39	10.99	7.66	5.14	1.57	28.75
	Agricultural	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-
MN-15 Honey Creek Entire Length	Background	4.11	11.05	9.27	6.55	2.68	33.66
	Agricultural	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-
MN-16 Menomonee River From Estuary to Honey Creek	Background	13.28	47.65	34.32	23.03	8.03	126.31
	Agricultural	6.80	16.21	12.07	4.73	1.95	41.76
	Non-Permitted Urban	-	-	-	-	-	-

Table A.4 (MN) - Baseline MS4 Total Phosphorus Loads - FINAL

Note: Baseline MS4 loads reflect reduction of TP associated with 20% TSS reduction from no controls.

Municipality	Reach	Area (acres)	Monthly TP Load (lbs/month)												Average Annual TP Load (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Brookfield, City	MN-08	2,540	52.57	55.26	115.41	155.90	85.34	142.26	83.76	97.06	50.94	45.67	60.42	54.83	999.43
	MN-10	555	15.36	17.27	37.91	40.58	26.28	36.27	26.69	23.07	14.87	15.24	19.79	16.44	289.78
	MN-11	4,172	83.28	92.89	230.75	260.51	156.34	238.84	154.29	137.71	76.08	85.04	106.68	94.76	1,717.17
	MN-12	526	23.26	26.68	56.23	48.05	30.78	39.82	31.46	34.47	22.98	24.07	31.96	28.13	397.90
	MN-13	831	26.79	30.40	65.89	64.17	39.45	59.85	43.45	40.63	25.96	27.60	36.14	31.73	492.06
Brookfield, Town	MN-11	113	2.25	2.51	6.23	7.03	4.22	6.45	4.16	3.72	2.05	2.30	2.88	2.56	46.35
Butler, Village	MN-06	58	1.45	1.66	2.78	2.93	2.14	3.37	2.88	1.81	1.50	1.35	1.84	1.34	25.06
	MN-08	13	0.26	0.27	0.57	0.77	0.42	0.70	0.41	0.48	0.25	0.23	0.30	0.27	4.94
	MN-10	446	12.36	13.89	30.49	32.64	21.14	29.17	21.47	18.56	11.96	12.26	15.92	13.23	233.08
Elm Grove, Village	MN-11	435	8.69	9.69	24.08	27.18	16.31	24.92	16.10	14.37	7.94	8.87	11.13	9.89	179.18
	MN-12	1,649	72.90	83.63	176.26	150.62	96.47	124.80	98.62	108.05	72.02	75.46	100.17	88.17	1,247.16
	MN-13	15	0.49	0.56	1.21	1.18	0.72	1.10	0.80	0.75	0.48	0.51	0.66	0.58	9.03
Germantown, Village	MN-01	11,578	108.61	157.45	359.92	317.66	225.60	369.07	297.96	189.24	163.02	168.69	213.64	84.75	2,655.60
	MN-02	1,119	7.33	11.04	24.80	21.78	15.59	32.95	24.25	13.34	11.44	11.76	14.53	5.74	194.56
	MN-03	1,664	22.06	32.05	73.71	60.84	43.00	75.81	61.91	39.94	34.16	35.47	44.23	17.38	540.57
	MN-04	2,149	16.65	24.70	55.11	48.51	35.35	74.39	53.49	28.96	24.68	25.63	32.42	13.09	432.97
	MN-05	1,909	33.13	37.66	63.10	70.84	52.47	91.43	72.70	40.76	33.65	30.37	41.39	30.46	597.96
	MN-06	134	3.34	3.82	6.39	6.72	4.90	7.74	6.61	4.17	3.45	3.11	4.22	3.09	57.54
	MN-09	249	4.15	4.34	9.77	8.07	5.62	11.34	6.61	5.32	4.00	4.67	6.90	3.97	74.74
Greendale, Village	MN-15	73	2.02	2.10	5.04	7.00	3.19	4.34	3.39	3.47	1.95	2.41	2.77	2.20	39.87
Greenfield, City	MN-15	1,840	51.13	53.07	127.29	176.75	80.50	109.59	85.59	87.70	49.30	60.74	69.97	55.44	1,007.06
Lisbon, Town	MN-04	196	1.52	2.25	5.03	4.42	3.22	6.78	4.88	2.64	2.25	2.34	2.96	1.19	39.48
Menomonee Falls, Village	MN-01	2,170	20.35	29.51	67.45	59.53	42.28	69.17	55.84	35.46	30.55	31.61	40.04	15.88	497.69
	MN-04	539	4.18	6.19	13.82	12.17	8.87	18.66	13.42	7.26	6.19	6.43	8.13	3.28	108.61
	MN-05	376	6.53	7.43	12.44	13.97	10.35	18.03	14.33	8.04	6.63	5.99	8.16	6.01	117.91
	MN-06	4,031	100.60	115.04	192.53	202.60	147.85	233.33	199.14	125.57	104.03	93.67	127.22	93.06	1,734.64
	MN-07	3,640	68.82	78.10	130.80	151.97	114.96	203.37	159.01	84.96	69.30	62.64	85.74	63.22	1,272.87
	MN-08	1,070	22.15	23.28	48.62	65.68	35.96	59.94	35.29	40.89	21.46	19.24	25.46	23.10	421.06
Mequon, City	MN-10	13	0.35	0.39	0.85	0.92	0.59	0.82	0.60	0.52	0.34	0.34	0.45	0.37	6.53
	MN-01	547	5.13	7.44	17.01	15.01	10.66	17.44	14.08	8.94	7.70	7.97	10.10	4.01	125.51
	MN-05	420	7.28	8.28	13.87	15.58	11.54	20.10	15.99	8.96	7.40	6.68	9.10	6.70	131.48
	MN-06	92	2.29	2.61	4.37	4.60	3.36	5.30	4.52	2.85	2.36	2.13	2.89	2.11	39.40
	MN-09	6,399	106.41	111.28	250.67	207.01	144.15	290.94	169.56	136.62	102.67	119.94	176.96	101.82	1,918.04
Milwaukee, City	MN-06	2,124	53.01	60.62	101.46	106.76	77.91	122.96	104.94	66.17	54.82	49.36	67.04	49.04	914.10
	MN-09	7,305	121.48	127.04	286.16	236.31	164.56	332.13	193.57	155.96	117.20	136.92	202.01	116.24	2,189.58
	MN-10	2,501	69.27	77.88	170.92	182.95	118.51	163.55	120.34	104.03	67.06	68.70	89.24	74.15	1,306.58
	MN-12	53	2.35	2.69	5.67	4.85	3.10	4.01	3.17	3.48	2.32	2.43	3.22	2.84	40.12
	MN-13	198	6.37	7.23	15.67	15.27	9.38	14.24	10.34	9.67	6.18	6.56	8.60	7.55	117.05
	MN-14	67	2.92	3.28	7.78	8.03	4.98	6.98	4.75	4.66	2.76	3.00	3.86	3.43	56.44
	MN-15	2,185	60.72	63.03	151.17	209.91	95.61	130.15	101.65	104.16	58.55	72.14	83.10	65.85	1,196.02
MN-16	2,002	76.03	85.59	208.74	217.63	135.26	183.54	122.42	123.86	71.18	78.25	99.84	89.01	1,491.36	
New Berlin, City	MN-13	431	13.89	15.76	34.16	33.27	20.45	31.02	22.53	21.06	13.46	14.31	18.73	16.45	255.08
Richfield, Village	MN-02	98	0.64	0.96	2.17	1.90	1.36	2.88	2.12	1.17	1.00	1.03	1.27	0.50	17.00
	MN-03	28	0.37	0.54	1.25	1.03	0.73	1.28	1.05	0.68	0.58	0.60	0.75	0.29	9.14
	MN-04	860	6.66	9.88	22.04	19.40	14.14	29.75	21.39	11.58	9.87	10.25	12.97	5.23	173.16
Wauwatosa, City	MN-10	2,236	61.92	69.62	152.78	163.55	105.93	146.20	107.57	92.99	59.94	61.41	79.77	66.28	1,167.97
	MN-12	2,445	108.04	123.93	261.21	223.22	142.97	184.96	146.15	160.13	106.73	111.83	148.44	130.67	1,848.29
	MN-13	101	3.26	3.70	8.01	7.81	4.80	7.28	5.29	4.94	3.16	3.36	4.40	3.86	59.85
	MN-14	705	30.74	34.58	81.95	84.59	52.44	73.48	50.02	49.12	29.05	31.65	40.67	36.15	594.45
	MN-15	150	4.17	4.33	10.39	14.43	6.57	8.95	6.99	7.16	4.02	4.96	5.71	4.53	82.21
	MN-16	2,827	107.35	120.84	294.73	307.28	190.98	259.15	172.85	174.89	100.50	110.48	140.97	125.67	2,105.70
West Allis, City	MN-13	1,766	56.96	64.63	140.08	136.43	83.87	127.23	92.39	86.39	55.20	58.67	76.83	67.45	1,046.13
	MN-15	2,258	62.76	65.14	156.24	216.96	98.81	134.52	105.06	107.65	60.52	74.56	85.88	68.06	1,236.16
	MN-16	316	11.99	13.50	32.93	34.33	21.34	28.95	19.31	19.54	11.23	12.34	15.75	14.04	235.24
West Milwaukee, Village	MN-16	413	15.67	17.64	43.02	44.85	27.87	37.82	25.23	25.53	14.67	16.13	20.58	18.34	307.33

Table A.5 (MN) - Baseline MS4 Total Suspended Solids Loads - FINAL

Note: Baseline MS4 loads reflect 20% TSS reduction from no controls.

Municipality	Reach	Area (acres)	Monthly TSS Load (lbs/month)												Average Annual TSS Load (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Brookfield, City	MN-08	2,540	7,259.13	5,645.94	20,363.55	39,569.69	25,523.52	69,578.03	52,324.35	51,678.13	38,706.95	27,921.49	19,190.09	6,657.54	364,418.39
	MN-10	555	2,115.94	2,167.17	7,750.58	13,987.38	11,464.54	23,973.09	17,966.63	22,499.95	10,545.81	10,768.04	7,146.05	1,912.24	132,297.43
	MN-11	4,172	11,572.77	12,410.48	49,770.31	72,251.17	53,681.74	88,347.98	63,266.45	98,500.37	52,190.88	52,741.85	39,832.10	12,599.52	607,165.63
	MN-12	526	3,190.05	3,447.60	14,154.01	21,136.32	15,821.74	39,791.53	22,597.93	41,905.75	16,317.27	17,242.38	11,809.14	3,573.94	210,987.67
	MN-13	831	3,680.94	3,969.18	16,045.27	23,754.72	17,738.07	43,075.47	24,908.18	44,448.00	17,990.11	18,869.39	13,209.10	4,067.33	231,755.76
Brookfield, Town	MN-11	113	312.37	334.98	1,343.38	1,950.18	1,448.96	2,384.66	1,707.66	2,658.69	1,408.72	1,423.59	1,075.13	340.08	16,388.39
Butler, Village	MN-06	58	199.22	193.99	492.60	1,137.56	1,055.35	2,417.16	2,064.68	1,949.46	982.12	965.09	626.97	133.70	12,217.89
	MN-08	13	35.91	27.93	100.75	195.77	126.28	344.23	258.87	255.67	191.50	138.14	94.94	32.94	1,802.93
	MN-10	446	1,701.92	1,743.13	6,234.05	11,250.52	9,221.31	19,282.37	14,451.17	18,097.47	8,482.35	8,661.10	5,747.81	1,538.08	106,411.29
Elm Grove, Village	MN-11	435	1,207.55	1,294.96	5,193.25	7,539.00	5,601.38	9,218.61	6,601.49	10,277.95	5,445.82	5,503.31	4,156.25	1,314.69	63,354.26
	MN-12	1,649	9,998.84	10,806.10	44,364.09	66,249.31	49,591.39	124,721.88	70,830.54	131,348.65	51,144.56	54,044.22	37,014.36	11,202.10	661,316.03
	MN-13	15	67.54	72.83	294.42	435.88	325.48	790.40	457.04	815.58	330.10	346.24	242.38	74.63	4,252.52
Germantown, Village	MN-01	11,578	11,065.21	20,838.15	69,322.14	102,998.87	86,235.42	145,350.95	148,307.07	147,665.53	84,046.16	71,095.18	53,995.49	7,901.47	948,821.64
	MN-02	1,119	835.37	1,584.84	5,234.19	7,589.31	6,327.06	12,512.53	11,762.44	11,398.11	6,309.40	5,004.56	3,960.59	608.84	73,127.24
	MN-03	1,664	2,204.97	4,191.23	14,138.43	21,893.78	18,816.43	38,961.68	36,738.34	37,475.72	19,122.32	16,024.48	11,358.23	1,562.04	222,487.66
	MN-04	2,149	1,817.13	3,370.47	10,897.71	15,917.61	13,286.28	24,786.28	23,463.03	22,590.91	12,790.10	10,485.68	8,243.89	1,322.36	148,971.44
	MN-05	1,909	4,771.32	4,659.60	11,831.78	27,060.69	24,741.83	58,363.02	49,689.63	45,917.33	22,665.72	21,957.94	14,688.80	3,167.58	289,515.23
	MN-06	134	457.43	445.42	1,131.04	2,611.91	2,423.16	5,549.96	4,740.64	4,476.09	2,255.01	2,215.92	1,439.56	306.97	28,053.12
	MN-09	249	522.41	450.44	2,179.63	2,909.13	2,237.31	4,970.29	4,081.04	4,679.59	2,862.86	2,538.77	2,435.47	411.96	30,278.91
Greendale, Village	MN-15	73	290.04	250.55	1,011.90	1,805.60	1,161.10	2,134.46	1,765.27	2,859.67	1,191.53	1,263.38	1,017.86	348.26	15,099.62
Greenfield, City	MN-15	1,840	7,325.46	6,328.14	25,557.51	45,603.78	29,325.90	53,909.75	44,585.20	72,226.48	30,094.41	31,909.15	25,707.97	8,796.10	381,369.84
Lisbon, Town	MN-04	196	165.71	307.36	993.78	1,451.56	1,211.60	2,260.31	2,139.64	2,060.11	1,166.35	956.21	751.78	120.59	13,584.97
Menomonee Falls, Village	MN-01	2,170	2,073.73	3,905.28	12,991.66	19,303.02	16,161.38	27,240.22	27,794.23	27,674.00	15,751.09	13,323.95	10,119.30	1,480.81	177,818.67
	MN-04	539	455.81	845.46	2,733.62	3,992.83	3,332.78	6,217.49	5,885.56	5,666.79	3,208.32	2,630.27	2,067.93	331.70	37,368.58
	MN-05	376	940.81	918.78	2,332.98	5,335.81	4,878.58	11,507.98	9,797.77	9,053.95	4,469.21	4,329.65	2,896.33	624.58	57,086.42
	MN-06	4,031	13,790.27	13,428.04	34,097.60	78,741.44	73,051.20	167,315.24	142,916.65	134,941.19	67,982.13	66,803.61	43,398.68	9,254.37	845,720.42
	MN-07	3,640	9,752.80	9,582.86	24,152.50	52,847.65	46,944.78	80,732.48	81,522.98	78,784.24	42,511.88	42,290.77	29,233.98	6,484.27	504,841.21
	MN-08	1,070	3,058.27	2,378.63	8,579.15	16,670.69	10,753.05	29,313.19	22,044.22	21,771.97	16,307.22	11,763.31	8,084.77	2,804.82	153,529.27
	MN-10	13	47.72	48.87	174.78	315.43	258.54	540.62	405.16	507.40	237.82	242.83	161.15	43.12	2,983.43
Mequon, City	MN-01	547	522.96	984.85	3,276.30	4,867.93	4,075.66	6,869.57	7,009.29	6,978.97	3,972.19	3,360.10	2,551.93	373.44	44,843.19
	MN-05	420	1,049.11	1,024.54	2,601.55	5,950.05	5,440.19	12,832.75	10,925.66	10,096.21	4,983.69	4,828.07	3,229.74	696.48	63,658.04
	MN-06	92	313.24	305.01	774.52	1,788.59	1,659.34	3,800.52	3,246.31	3,065.15	1,544.19	1,517.42	985.79	210.21	19,210.28
	MN-09	6,399	13,406.03	11,559.20	55,933.31	74,653.78	57,413.40	127,546.74	104,727.07	120,086.97	73,466.40	65,149.60	62,498.77	10,571.77	777,013.05
Milwaukee, City	MN-06	2,124	7,267.05	7,076.17	17,968.41	41,494.36	38,495.78	88,170.08	75,312.76	71,109.94	35,824.53	35,203.49	22,869.80	4,876.78	445,669.15
	MN-09	7,305	15,303.93	13,195.64	63,851.80	85,222.54	65,541.44	145,603.57	119,553.31	137,087.72	83,867.06	74,372.85	71,346.74	12,068.42	887,015.03
	MN-10	2,501	9,540.49	9,771.49	34,946.30	63,067.16	51,692.01	108,091.35	81,009.06	101,449.17	47,549.59	48,551.61	32,220.54	8,622.01	596,510.78
	MN-12	53	321.65	347.62	1,427.14	2,131.17	1,595.30	4,012.17	2,278.54	4,225.34	1,645.26	1,738.54	1,190.71	360.36	21,273.81
	MN-13	198	875.64	944.21	3,816.91	5,650.87	4,219.60	10,246.96	5,925.26	10,573.47	4,279.56	4,488.73	3,142.23	967.55	55,130.99
	MN-14	67	384.90	411.15	1,737.94	2,880.20	2,154.47	4,218.36	2,721.31	4,412.04	2,046.56	2,101.46	1,393.34	425.54	24,887.27
	MN-15	2,185	8,699.95	7,515.51	30,352.93	54,160.54	34,828.40	64,024.98	52,950.84	85,778.52	35,741.10	37,896.35	30,531.62	10,446.53	452,927.29
New Berlin, City	MN-13	2,002	10,192.81	10,863.27	45,933.70	73,641.68	55,048.10	110,910.10	70,099.46	112,327.47	51,700.67	53,275.06	36,308.54	11,223.56	641,524.41
Richfield, Village	MN-13	431	1,908.15	2,057.57	8,317.66	12,314.14	9,195.18	22,329.76	12,912.08	23,041.27	9,325.84	9,781.65	6,847.43	2,108.45	120,139.18
	MN-02	98	72.98	138.46	457.28	663.04	552.76	1,093.16	1,027.63	995.80	551.22	437.22	346.02	53.19	6,388.76
	MN-03	28	37.27	70.84	238.95	370.03	318.02	658.49	620.92	633.38	323.19	270.83	191.97	26.40	3,760.28
Wauwatosa, City	MN-04	860	726.73	1,347.96	4,358.36	6,365.99	5,313.64	9,912.87	9,383.66	9,034.87	5,115.19	4,193.58	3,297.01	528.86	59,578.73
	MN-10	2,236	8,528.36	8,734.85	31,238.92	56,376.50	46,208.11	96,624.17	72,414.98	90,686.64	42,505.16	43,400.88	28,802.33	7,707.32	533,228.23
	MN-12	2,445	14,818.18	16,014.54	65,747.16	98,180.85	73,493.96	184,836.63	104,970.19	194,657.44	75,795.76	80,093.01	54,854.93	16,601.40	980,064.05
	MN-13	101	447.75	482.82	1,951.77	2,889.55	2,157.68	5,239.75	3,029.86	5,406.71	2,188.34	2,295.30	1,606.77	494.76	28,191.06
	MN-14	705	4,054.18	4,330.67	18,305.85	30,337.27	22,693.12	44,432.19	28,663.68	46,472.25	21,556.54	22,134.81	14,676.15	4,482.22	262,138.93
	MN-15	150	597.98	516.57	2,086.29	3,722.68	2,393.90	4,400.71	3,639.54	5,895.92	2,456.64	2,604.78	2,098.57	718.03	31,131.61
West Allis, City	MN-16	2,827	14,391.56	15,338.20	64,855.26	103,977.05	77,724.18	156,597.52	98,975.67	158,598.76	72,997.83	75,220.76	51,265.19	15,846.90	905,788.88
	MN-13	1,766	7,825.79	8,438.61	34,112.76	50,503.28	37,711.69	91,579.80	52,955.57	94,497.86	38,247.55	40,116.92	28,082.97	8,647.28	492,720.08
	MN-15	2,258	8,991.92	7,767.72	31,371.55	55,978.13	35,997.22	66,173.62	54,727.83	88,657.19	36,940.55	39,168.12	31,556.24	10,797.11	468,127.20
West Milwaukee, Village	MN-16	316	1,607.79	1,713.54	7,245.47	11,616.06	8,683.15	17,494.68	11,057.31	17,718.25	8,155.13	8,403.47	5,727.22	1,770.38	101,192.46
West Milwaukee, Village	MN-16	413	2,100.50	2,238.67	9,465.86	15,175.83	11,344.13	22,855.98	14,445.86	23,148.07	10,654.30	10,978.75	7,482.34	2,312.91	132,203.22

Table A.6 (MN) - Baseline MS4 Fecal Coliform Loads - FINAL

Municipality	Reach	Area (acres)	Monthly Fecal Coliform Load (billion cells/month)					Average Recreation Season Fecal Coliform Load (billion cells/season)
			May	Jun	Jul	Aug	Sep	
Brookfield, City	MN-08	2,540	9,497.15	12,825.98	10,174.67	11,230.22	8,581.13	52,309.15
	MN-10	555	8,776.91	9,702.38	9,465.27	10,284.54	7,691.42	45,920.52
	MN-11	4,172	66,027.29	74,630.42	69,011.61	81,664.86	59,097.99	350,432.17
	MN-12	526	17,209.23	19,049.15	17,964.06	21,713.06	15,711.73	91,647.23
	MN-13	831	19,273.33	21,484.22	20,262.45	24,175.96	17,604.86	102,800.82
Brookfield, Town	MN-11	113	1,782.18	2,014.40	1,862.74	2,204.27	1,595.15	9,458.73
Butler, Village	MN-06	58	570.65	607.71	686.98	591.58	495.75	2,952.68
	MN-08	13	46.99	63.46	50.34	55.56	42.45	258.80
	MN-10	446	7,059.56	7,803.95	7,613.24	8,272.21	6,186.47	36,935.42
Elm Grove, Village	MN-11	435	6,889.57	7,787.26	7,200.97	8,521.26	6,166.54	36,565.59
	MN-12	1,649	53,940.30	59,707.32	56,306.23	68,057.03	49,246.58	287,257.46
	MN-13	15	353.65	394.22	371.80	443.61	323.03	1,886.31
Germantown, Village	MN-01	11,578	35,431.03	43,909.54	43,743.23	34,755.09	30,031.70	187,870.59
	MN-02	1,119	2,269.33	3,023.52	2,987.47	2,320.43	2,028.85	12,629.59
	MN-03	1,664	5,716.31	6,985.17	7,230.79	5,864.56	5,079.37	30,876.20
	MN-04	2,149	5,150.93	6,796.54	6,651.50	5,153.16	4,439.62	28,191.75
	MN-05	1,909	12,996.26	14,295.70	15,783.92	13,317.90	11,168.28	67,562.07
	MN-06	134	1,310.26	1,395.35	1,577.36	1,358.31	1,138.27	6,779.56
	MN-09	249	2,826.05	3,199.96	2,923.65	2,862.96	2,389.13	14,201.76
Greendale, Village	MN-15	73	1,316.98	1,600.20	1,602.65	1,894.92	1,348.32	7,763.08
Greenfield, City	MN-15	1,840	33,262.87	40,416.19	40,478.04	47,859.93	34,054.39	196,071.42
Lisbon, Town	MN-04	196	469.72	619.79	606.56	469.93	404.86	2,570.86
Menomonee Falls, Village	MN-01	2,170	6,640.13	8,229.09	8,197.92	6,513.45	5,628.24	35,208.83
	MN-04	539	1,292.08	1,704.87	1,668.49	1,292.64	1,113.65	7,071.73
	MN-05	376	2,562.59	2,818.82	3,112.26	2,626.02	2,202.15	13,321.84
	MN-06	4,031	39,500.52	42,065.88	47,552.79	40,949.22	34,315.60	204,384.01
	MN-07	3,640	13,741.69	17,070.95	17,268.93	13,333.11	11,103.37	72,518.05
	MN-08	1,070	4,001.14	5,403.58	4,286.58	4,731.29	3,615.23	22,037.82
	MN-10	13	197.93	218.80	213.45	231.93	173.45	1,035.55
Mequon, City	MN-01	547	1,674.54	2,075.25	2,067.39	1,642.59	1,419.36	8,879.14
	MN-05	420	2,857.59	3,143.31	3,470.54	2,928.31	2,455.66	14,855.42
	MN-06	92	897.24	955.51	1,080.15	930.15	779.47	4,642.52
	MN-09	6,399	72,521.69	82,117.00	75,026.36	73,468.74	61,309.60	364,443.40
Milwaukee, City	MN-06	2,124	20,815.58	22,167.45	25,058.89	21,579.00	18,083.29	107,704.21
	MN-09	7,305	82,788.60	93,742.33	85,647.86	83,869.73	69,989.22	416,037.76
	MN-10	2,501	39,573.86	43,746.68	42,677.59	46,371.58	34,679.54	207,049.25
	MN-12	53	1,735.20	1,920.72	1,811.31	2,189.32	1,584.21	9,240.76
	MN-13	198	4,584.82	5,110.75	4,820.11	5,751.07	4,187.92	24,454.67
	MN-14	67	1,908.02	2,148.37	1,982.50	2,351.01	1,690.03	10,079.92
	MN-15	2,185	39,504.07	47,999.59	48,073.04	56,840.02	40,444.11	232,860.83
MN-16	2,002	53,304.33	59,996.94	55,237.72	65,640.67	47,191.10	281,370.76	
New Berlin, City	MN-13	431	9,991.04	11,137.14	10,503.79	12,532.50	9,126.13	53,290.61
Richfield, Village	MN-02	98	198.26	264.15	261.00	202.72	177.25	1,103.38
	MN-03	28	96.61	118.06	122.21	99.12	85.85	521.84
	MN-04	860	2,060.03	2,718.17	2,660.16	2,060.92	1,775.55	11,274.84
Wauwatosa, City	MN-10	2,236	35,375.56	39,105.69	38,150.01	41,452.12	31,000.46	185,083.84
	MN-12	2,445	79,939.01	88,485.68	83,445.29	100,859.88	72,982.96	425,712.81
	MN-13	101	2,344.43	2,613.37	2,464.75	2,940.79	2,141.48	12,504.82
	MN-14	705	20,097.30	22,628.86	20,881.73	24,763.30	17,801.18	106,172.36
	MN-15	150	2,715.28	3,299.21	3,304.26	3,906.85	2,779.89	16,005.51
	MN-16	2,827	75,262.09	84,711.60	77,991.91	92,680.17	66,630.62	397,276.39
West Allis, City	MN-13	1,766	40,975.71	45,676.13	43,078.62	51,398.86	37,428.50	218,557.81
	MN-15	2,258	40,829.80	49,610.42	49,686.34	58,747.53	41,801.38	240,675.47
	MN-16	316	8,408.09	9,463.77	8,713.06	10,354.00	7,443.81	44,382.72
West Milwaukee, Village	MN-16	413	10,984.78	12,363.97	11,383.21	13,527.01	9,724.98	57,983.95

Table A.7 (MN) - Baseline Point Source Flows and Loads - FINAL

Note: TP Load based on permitted or average measured TP concentration.

An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft TMDL portion will be set aside as additional reserve capacity for the reach.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Month	Flow (MGD)	Flow (cfs)	TP Conc (mg/L)	TP Load (lbs/month)	TSS Conc (mg/L)	TSS Load (lbs/month)	Fecal Coliform Conc (cfu/100mL)	Fecal Coliform Load (billion cells/month)	Notes
A O Smith Corporation	0044938	NCCW	001	MN-06	All	0.01	0.02	0.53	1.76	0	0	0	0	
Advanced Metal Treating Inc*	0044938	NCCW	001	MN-10	All	0.01	0.01	0.45	0.80	0	0	0	0	Permit discontinued 06/16/2014.
American Concrete Pipe Co Milwaukee*	0044938	NCCW	001	MN-06	All	1.00E-03	1.55E-03	0.51	0.13	0	0	0	0	Permit discontinued 03/03/2014.
Avoca Bioprocessing Corp	0044938	NCCW	003	MN-05	All	0.01	0.02	0.70	2.15	0	0	0	0	
			004	MN-05	All	0.01	0.01	0.46	0.70	0	0	0	0	
Avoca Bioprocessing Corp*	0044938	NCCW	001	MN-05	All	2.00E-03	3.09E-03	0.45	0.23	0	0	0	0	Permit for Outfall 001 discontinued as of 03/02/2014.
Badger Alloys Inc	0044938	NCCW	001	MN-16	All	0.01	0.01	1.06	2.16	0	0	0	0	
Blue Mound Golf & Country Club	0044938	NCCW	001	MN-10	All	0.03	0.04	0.02	0.15	0	0	0	0	
Brenntag Great Lakes LLC - Milsolv Facility	0044938	NCCW	001	MN-07	All	0.01	0.01	0.515	0.65	0	0	0	0	Phosphorus concentrations represent average residual concentration of water supply per WDNR.
Briggs Stratton Corp Wauwatosa	0026514	Individual	002	MN-10	All	0.50	0.77	0.12	15.22	0	0	0	0	Discharge contains, NCCW and stormwater from two 3.2 million gallon cooling ponds. Cooling ponds may contain additives used to control aquatic vegetation. Background TSS is present in effluent from source water. Point source is not contributing TSS beyond that which is present in the municipal water supply. For these reasons, no TSS reductions are necessary to meet TMDL targets.
			003	MN-10	All	0.01	0.02	0.55	1.40	0	0	0	0	Discharge contains NCCW w/o additives. Storm sewer to Menomonee River.
Cambridge Major Laboratories Inc	0044938	NCCW	001	MN-05	All	0.01	0.01	0.02	0.03	0	0	0	0	
Cambridge Major Laboratories Inc - Grant Drive	0044938	NCCW	001	MN-05	All	0.04	0.06	2.30	24.50	0	0	0	0	
Canadian Pacific Railway	0064351	Individual	001	MN-16	All	1.00E-03	1.55E-03	0.12	0.03	20	5	0	0	Oil/water separator. Storm water runoff near engine fueling site. Discharge is rainfall dominated.
Charter Wire Division	0044938	NCCW	001	MN-16	All	5.00E-04	7.74E-04	0.14	0.02	0	0	0	0	
Chr Hansen Inc	0044938	NCCW	001	MN-15	All	0.01	0.01	0.41	0.94	0	0	0	0	
			002	MN-15	All	0.01	0.01	1.33	3.03	0	0	0	0	
D. R. Diedrich & Co LTD	0044938	NCCW	004	MN-16	All	0.02	0.02	0.74	3.00	0	0	0	0	
			006	MN-16	All	0.03	0.04	0.70	4.97	0	0	0	0	
Dana Sealing Products LLC*	0044938	NCCW	001	MN-09	All	0.03	0.05	0.39	2.97	0	0	0	0	Permit discontinued 11/30/2012.
Derco Repair Service	0044938	NCCW	001	MN-09	All	1.00E-03	1.55E-03	0.49	0.12	0	0	0	0	
Froedtert Memorial Lutheran Hospital	0044938	NCCW	001	MN-15	All	0.02	0.03	0.86	4.13	0	0	0	0	
Gallos Metal Solutions Inc	0044938	NCCW	001	MN-09	All	4.00E-03	0.01	0.59	0.60	0	0	0	0	
GE Healthcare	0044938	NCCW	001	MN-09	All	2.00E-03	3.09E-03	0.60	0.31	0	0	0	0	
GEHL Guernsey Farms Inc*	0044938	NCCW	001	MN-01	All	0.19	0.29	0.43	20.82	0	0	0	0	Permit discontinued
Gkn Sinter Metals	0044938	NCCW	001	MN-01	All	0.01	0.01	0.20	0.31	0	0	0	0	
			001a	MN-05	All	0.01	0.02	1.13	2.88	0	0	0	0	
			001b	MN-05	All	0.01	0.02	0.57	1.44	0	0	0	0	
Grede LLC - Liberty Foundry	0044938	NCCW	001	MN-16	All	0.09	0.14	0.53	12.01	0	0	0	0	
			002	MN-16	All	0.03	0.04	0.26	1.82	0	0	0	0	
Hampel Corp	0044938	NCCW	001	MN-03	All	0.12	0.19	0.04	1.22	0	0	0	0	
Harley Davidson Motor Company Operations	0044938	NCCW	001	MN-05	All	3.00E-03	4.64E-03	1.16	0.88	0	0	0	0	
Harley Davidson Motor Company PDC	0044938	NCCW	001	MN-10	All	0.01	0.01	0.19	0.34	0	0	0	0	
			002	MN-10	All	3.00E-03	4.64E-03	1.39	1.06	0	0	0	0	
Hellermann Tyton	0044938	NCCW	001	MN-09	All	0.07	0.10	1.57	26.68	0	0	0	0	WDNR Facility ID No. 26159
Helwig Carbon Products Inc	0044938	NCCW	001	MN-09	All	4.00E-03	0.01	0.515	0.52	0	0	0	0	Phosphorus concentrations represent average residual concentration of water supply per WDNR.

Table A.7 (MN) - Baseline Point Source Flows and Loads - FINAL

Note: TP Load based on permitted or average measured TP concentration.

An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft TMDL portion will be set aside as additional reserve capacity for the reach.

Facility Name	Permit Number	Permit Type	Outfall Number	Reach	Month	Flow (MGD)	Flow (cfs)	TP Conc (mg/L)	TP Load (lbs/month)	TSS Conc (mg/L)	TSS Load (lbs/month)	Fecal Coliform Conc (cfu/100mL)	Fecal Coliform Load (billion cells/month)	Notes
Hentzen Coatings Inc Milwaukee	0044938	NCCW	002	MN-09	All	0.02	0.02	0.57	2.33	0	0	0	0	
			003	MN-09	All	0.02	0.02	0.57	2.30	0	0	0	0	
Joy Global Surface Mining Inc.	0025321	Individual	001	MN-16	All	0.29	0.44	0.50	36.15	15	1084	0	0	NCCW, heat treat quench water, boiler blowdown.
Krete Industries Inc	0044938	NCCW	001	MN-10	All	1.00E-03	1.55E-03	0.91	0.23	0	0	0	0	
Masterson Co	0044938	NCCW	001	MN-16	All	0.05	0.07	0.59	6.77	0	0	0	0	
			002	MN-16	All	0.05	0.08	0.55	7.09	0	0	0	0	
Mayfair Mall	0062260	Individual	001	MN-12	March through November	0.01	0.01	1.70	3.67	20	43	0	0	Cooling tower blowdown w/ additives, operates March through November.
Midwestern Anodizing Corporation	0044938	NCCW	001	MN-09	All	4.00E-03	0.01	0.64	0.65	0	0	0	0	
Millercoors LLC	0000744	Individual	001	MN-16	All	0.19	0.29	0.30	14.46	10	482	0	0	Cooling water
			004	MN-16	All	0.32	0.50	0.80	64.94	20	1624	0	0	Filter backwash
Milwaukee County Power Plant	0044938	NCCW	001	MN-14	All	0.13	0.21	1.06	35.76	0	0	0	0	
Milwaukee Logistic Center	0044938	NCCW	001	MN-05	All	1.00E-05	1.55E-05	8.34	0.02	0	0	0	0	
Motor Castings Co Plt 1 West Allis	0044938	NCCW	004	MN-16	All	3.00E-03	4.64E-03	0.25	0.19	0	0	0	0	
			005	MN-16	All	0.01	0.01	0.58	0.89	0	0	0	0	
			007	MN-16	All	3.00E-03	4.64E-03	0.47	0.36	0	0	0	0	
Neubauer Fabrications Inc	0044938	NCCW	001	MN-01	All	2.00E-04	3.09E-04	0.00	0.00	0	0	0	0	Facility is located in Germantown. The Village of Germantown does not add phosphorus to its water supply per WDNR.
Perlick Corp	0044938	NCCW	001	MN-09	All	0.02	0.04	0.24	1.49	0	0	0	0	
Pettit National Ice Center	0044938	NCCW	001	MN-15	All	0.01	0.01	0.515	0.65	0	0	0	0	Phosphorus concentrations represent average residual concentration of water supply per WDNR.
Phoenix Metal Treating	0044938	NCCW	001	MN-01	All	0.01	0.02	0.03	0.11	0	0	0	0	
Rexnord Industries Inc	0044938	NCCW	001	MN-16	All	0.13	0.21	0.50	16.93	0	0	0	0	
			004	MN-16	All	5.37E-04	8.31E-04	1.20	0.16	0	0	0	0	
			009	MN-16	All	0.03	0.05	0.67	5.85	0	0	0	0	
Rexnord Industries LLC -Falk	0044938	NCCW	005	MN-16	All	0.03	0.05	0.48	3.65	0	0	0	0	
Sun Chemical Kohl & Madden	0044938	NCCW	004	MN-05	All	1.00E-03	1.55E-03	0.62	0.16	0	0	0	0	
Super Steel LLC	0044938	NCCW	001	MN-09	All	2.00E-03	3.09E-03	0.36	0.18	0	0	0	0	
			002	MN-09	All	2.00E-03	3.09E-03	0.68	0.34	0	0	0	0	
Thiele Tanning Co	0044938	NCCW	001	MN-16	All	9.00E-04	1.39E-03	0.515	0.12	0	0	0	0	Phosphorus concentrations represent average residual concentration of water supply per WDNR.
Toshiba International Corp	0044938	NCCW	001	MN-16	All	0.01	0.01	0.43	0.93	0	0	0	0	
			002	MN-16	All	1.40E-03	2.17E-03	0.69	0.25	0	0	0	0	
US Food Service	0044938	NCCW	001	MN-05	All	3.00E-03	4.64E-03	5.16	3.93	0	0	0	0	
Waste Management of Omega Hills Landfill	0049514	Individual	001	MN-05	All	0.08	0.12	0.02	0.41	20	406	0	0	Baseline flow based on design flow in permit.
We Energies Germantown	0042757	Individual	001	MN-01	May through October	0.01	0.01	0.20	0.25	10	13	0	0	Intermittent discharge, operates May through November. Oil/water separator. Flow from permit application. Source water private well.
			002	MN-01	May through October	0.01	0.01	0.20	0.41	20	41	0	0	Intermittent discharge, operates May through November. Condenser blowdown, cooling coil condensate, ice water storage tanks. Flow from permit application. Source water private well.
			003	MN-01	N/A	0	0	0	0	0	0	0	0	Portable demineralizer tanks. No discharge.
We Energies Milwaukee Heating Plant	0044938	NCCW	003	MN-16	All	0.02	0.04	0.38	2.31	0	0	0	0	
West Allis Memorial Hospital	0044938	NCCW	001	MN-15	All	0.02	0.03	0.55	2.39	0	0	0	0	
Xymox Technologies Inc	0044938	NCCW	001	MN-09	All	1.00E-03	1.55E-03	0.71	0.18	0	0	0	0	

Table A.8 (MN) - Baseline 4th Lowest Flow Used for Calculation of Allowable Total Phosphorus and Total Suspended Solids Loads - FINAL

Reach Waterbody Name and Extents	4th Lowest Flow (cfs)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
MN-1 Menomonee River From Nor-X-Way Channel to Headwaters	13.90	18.62	22.88	22.07	16.17	12.47	10.91	12.23	9.89	9.83	9.68	11.46
MN-2 Goldendale Creek Entire Length	0.81	1.05	1.31	1.30	0.99	0.75	0.62	0.69	0.56	0.56	0.55	0.65
MN-3 West Branch Menomonee River Entire Length	2.08	2.80	3.53	3.52	2.64	2.08	1.86	2.10	1.69	1.59	1.49	1.73
MN-4 Willow Creek Entire Length	2.43	3.23	4.03	3.91	2.91	2.18	1.81	2.05	1.65	1.68	1.65	1.98
MN-5 Nor-X-Way Channel Entire Length	2.18	2.52	3.07	2.99	2.40	2.09	1.89	2.19	1.72	1.50	1.46	1.69
MN-6 Menomonee River and Dretzka Park Creek From Little Menomonee River to Nor-X-Way Channel	26.53	32.50	39.97	38.24	30.84	25.85	23.71	26.20	20.20	18.30	17.25	20.77
MN-7 Lilly Creek Entire Length	2.45	2.90	3.67	3.59	2.81	2.43	2.20	2.60	1.94	1.63	1.56	1.84
MN-8 Butler Ditch Entire Length	2.71	2.93	3.70	3.87	4.09	3.97	3.66	3.31	2.38	2.14	2.04	2.32
MN-9 Little Menomonee River Entire Length	11.70	13.27	16.28	15.93	13.53	10.92	9.58	9.19	6.68	6.86	8.09	10.19
MN-10 Menomonee River From Underwood Creek to Little Menomonee River	44.38	62.90	77.30	76.04	55.18	44.92	39.22	41.37	31.44	28.97	29.17	34.96
MN-11 Underwood Creek and Dousman Ditch From South Branch Underwood Creek to Headwaters	3.43	4.95	6.13	6.17	5.11	4.23	4.20	3.68	3.13	2.38	2.44	2.70
MN-12 Underwood Creek From Menomonee River to South Branch Underwood Creek	9.68	14.05	17.33	17.73	14.40	12.21	12.44	11.15	9.35	7.02	7.28	7.98
MN-13 South Branch Underwood Creek Entire Length	2.52	3.66	4.50	4.56	3.65	3.14	3.32	3.02	2.53	1.91	1.97	2.13
MN-14 Menomonee River From Honey Creek to Underwood Creek	55.60	81.53	99.47	99.11	72.72	60.12	52.23	52.96	41.04	37.60	37.32	43.90
MN-15 Honey Creek Entire Length	4.66	5.97	8.14	8.32	7.52	5.96	6.78	6.71	5.76	4.48	4.04	4.38
MN-16 Menomonee River From Estuary to Honey Creek	68.65	98.47	120.68	120.17	91.64	76.72	68.17	68.22	53.68	49.19	47.85	55.11

Table A.9 (MN) - Baseline Incremental Flows Used for Calculation of Allowable Fecal Coliform Loads - FINAL

Note: Flows based on modeled flow data for the months of May through September.

Flow values represent flow contribution to total streamflow from individual TMDL reach subbasin.

Reach Waterbody Name and Extents	Flow Regime (cfs)				
	Low	Dry	Mid	Moist	High
MN-1 Menomonee River From Nor-X-Way Channel to Headwaters	1.69	5.80	11.27	17.33	51.14
MN-2 Goldendale Creek Entire Length	0.11	0.50	0.94	1.52	4.33
MN-3 West Branch Menomonee River Entire Length	0.39	1.02	1.85	2.71	6.44
MN-4 Willow Creek Entire Length	0.33	1.49	2.86	4.53	12.92
MN-5 Nor-X-Way Channel Entire Length	0.60	1.67	2.86	4.42	10.75
MN-6 Menomonee River and Dretzka Park Creek From Little Menomonee River to Nor-X-Way Channel	1.00	4.01	7.30	11.89	28.24
MN-7 Lilly Creek Entire Length	0.45	1.91	3.46	5.46	13.37
MN-8 Butler Ditch Entire Length	1.20	2.72	4.50	6.06	10.80
MN-9 Little Menomonee River Entire Length	2.53	7.64	13.56	21.58	41.82
MN-10 Menomonee River From Underwood Creek to Little Menomonee River	2.82	4.93	8.16	11.93	24.54
MN-11 Underwood Creek and Dousman Ditch From South Branch Underwood Creek to Headwaters	1.55	3.10	4.87	7.71	17.63
MN-12 Underwood Creek From Menomonee River to South Branch Underwood Creek	1.74	3.64	5.46	8.41	17.41
MN-13 South Branch Underwood Creek Entire Length	1.22	2.44	3.76	5.85	12.22
MN-14 Menomonee River From Honey Creek to Underwood Creek	0.65	1.12	1.54	2.37	5.25
MN-15 Honey Creek Entire Length	2.43	5.61	7.52	12.32	20.78
MN-16 Menomonee River From Estuary to Honey Creek	5.00	7.81	10.84	15.43	30.52

Table A.10 (MN) - Daily Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TP Load (lbs/day)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MN-1 Menomonee River From Nor-X-Way Channel to Headwaters	Total Loading Capacity	3.80	5.10	6.20	5.93	4.30	3.33	2.94	3.27	2.66	2.66	2.65	3.14	1,397.77
	Reserve Capacity	0.17	0.23	0.21	0.20	0.12	0.16	0.14	0.16	0.13	0.13	0.13	0.15	58.72
	Load Allocation	0.67	0.90	2.46	2.35	2.11	0.48	0.32	0.25	0.19	0.20	0.26	0.42	322.28
	Background	0.36	0.44	1.99	1.91	1.81	0.16	0.07	0.05	0.05	0.05	0.10	0.21	218.92
	Agricultural	0.24	0.36	0.38	0.34	0.24	0.25	0.18	0.12	0.08	0.08	0.10	0.14	76.62
	Non-Permitted Urban	0.07	0.10	0.10	0.09	0.06	0.07	0.07	0.08	0.06	0.06	0.06	0.06	26.73
	Wasteload Allocation	2.96	3.97	3.53	3.38	2.07	2.69	2.47	2.86	2.34	2.33	2.27	2.57	1,016.77
	General Permits - NCCW	0.76	0.74	0.39	0.33	0.27	0.33	0.32	0.33	0.34	0.31	0.41	0.60	155.90
	General Permits - Other	6.04E-03	0.01	0.02	0.01	8.36E-03	7.48E-03	8.71E-03	0.01	7.13E-03	5.51E-03	4.70E-03	4.46E-03	3.21
	MS4	2.19	3.21	3.12	3.03	1.79	2.35	2.14	2.51	1.97	2.02	1.85	1.97	855.75
Individual Permits	-	-	-	4.98E-03	6.15E-03	0.01	9.86E-03	0.01	0.01	6.76E-03	4.09E-03	-	1.91	
MN-2 Goldendale Creek Entire Length	Total Loading Capacity	0.33	0.43	0.53	0.52	0.40	0.31	0.25	0.28	0.23	0.23	0.22	0.26	121.07
	Reserve Capacity	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	5.77
	Load Allocation	0.08	0.10	0.13	0.12	0.10	0.06	0.04	0.03	0.02	0.02	0.03	0.05	23.96
	Background	0.02	0.02	0.04	0.04	0.03	8.57E-03	3.43E-03	2.25E-03	2.03E-03	2.33E-03	4.69E-03	9.97E-03	5.69
	Agricultural	0.06	0.08	0.09	0.08	0.07	0.05	0.04	0.03	0.02	0.02	0.02	0.04	18.15
	Non-Permitted Urban	3.01E-04	3.97E-04	4.90E-04	4.92E-04	3.62E-04	3.04E-04	2.59E-04	3.06E-04	2.47E-04	2.51E-04	2.36E-04	2.62E-04	0.12
	Wasteload Allocation	0.23	0.31	0.38	0.38	0.28	0.23	0.20	0.24	0.19	0.19	0.18	0.20	91.34
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	1.52E-05	2.90E-05	4.02E-05	3.77E-05	2.15E-05	1.98E-05	2.74E-05	3.62E-05	2.72E-05	3.13E-05	2.48E-05	2.43E-05	0.01
	MS4	0.23	0.31	0.38	0.38	0.28	0.23	0.20	0.24	0.19	0.19	0.18	0.20	91.33
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-3 West Branch Menomonee River Entire Length	Total Loading Capacity	0.51	0.71	0.90	0.90	0.67	0.54	0.50	0.57	0.46	0.42	0.38	0.44	212.63
	Reserve Capacity	0.02	0.03	0.04	0.04	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02	10.01
	Load Allocation	0.05	0.06	0.10	0.13	0.11	0.06	0.02	0.02	0.01	0.01	0.02	0.03	18.72
	Background	0.03	0.04	0.07	0.10	0.09	0.05	6.61E-03	4.66E-03	4.31E-03	4.20E-03	8.12E-03	0.02	12.47
	Agricultural	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.01	8.38E-03	6.73E-03	7.19E-03	0.01	6.24
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	0.44	0.61	0.75	0.73	0.53	0.45	0.46	0.53	0.42	0.38	0.35	0.39	183.90
	General Permits - NCCW	0.07	0.07	0.04	0.03	0.03	0.02	0.03	0.03	0.03	0.02	0.03	0.05	14.27
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	0.37	0.54	0.71	0.70	0.50	0.43	0.43	0.50	0.39	0.36	0.32	0.33	169.63
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-4 Willow Creek Entire Length	Total Loading Capacity	0.98	1.31	1.63	1.58	1.18	0.88	0.73	0.83	0.67	0.68	0.67	0.80	362.87
	Reserve Capacity	0.04	0.06	0.07	0.07	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.04	16.74
	Load Allocation	0.18	0.23	0.33	0.30	0.26	0.12	0.08	0.06	0.05	0.05	0.07	0.11	55.73
	Background	0.08	0.10	0.19	0.18	0.16	0.05	0.02	0.02	0.01	0.02	0.03	0.05	28.04
	Agricultural	0.10	0.12	0.14	0.12	0.10	0.07	0.05	0.04	0.04	0.03	0.04	0.06	27.68
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	0.76	1.02	1.23	1.21	0.86	0.72	0.62	0.73	0.59	0.60	0.57	0.65	290.40
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	0.76	1.02	1.23	1.21	0.86	0.72	0.62	0.73	0.59	0.60	0.57	0.65	290.40
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.10 (MN) - Daily Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TP Load (lbs/day)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MN-5 Nor-X-Way Channel Entire Length	Total Loading Capacity	0.88	1.02	1.24	1.21	0.97	0.85	0.77	0.89	0.69	0.61	0.59	0.69	316.45
	Reserve Capacity	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	14.46
	Load Allocation	0.05	0.08	0.25	0.24	0.21	0.03	0.02	0.02	0.02	0.02	0.02	0.03	29.48
	Background	0.04	0.07	0.24	0.23	0.20	0.02	0.01	0.01	0.01	0.01	0.01	0.02	27.25
	Agricultural	4.08E-03	6.23E-03	0.01	0.01	0.01	8.30E-03	6.00E-03	4.58E-03	2.66E-03	2.31E-03	2.24E-03	2.76E-03	2.24
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	0.80	0.90	0.94	0.92	0.72	0.78	0.71	0.83	0.64	0.56	0.55	0.63	272.50
	General Permits - NCCW	0.39	0.38	0.36	0.33	0.29	0.31	0.29	0.34	0.31	0.27	0.27	0.30	116.33
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	0.40	0.51	0.58	0.58	0.43	0.46	0.42	0.48	0.34	0.29	0.28	0.33	154.90
Individual Permits	4.27E-03	4.19E-03	3.95E-03	3.67E-03	3.18E-03	3.41E-03	3.14E-03	3.75E-03	3.36E-03	2.94E-03	2.95E-03	3.26E-03	1.28	
MN-6 Menomonee River and Dretzka Park Creek From Little Menomonee River to Nor-X-Way Channel	Total Loading Capacity	2.14	2.23	2.69	2.31	2.18	1.98	2.05	2.38	1.73	1.29	1.01	1.40	711.08
	Reserve Capacity	0.10	0.11	0.13	0.11	0.10	0.09	0.10	0.12	0.09	0.06	0.05	0.07	34.12
	Load Allocation	0.09	0.12	0.18	0.21	0.17	0.10	0.02	0.02	0.02	0.02	0.02	0.04	30.07
	Background	0.08	0.12	0.17	0.20	0.17	0.09	0.01	0.02	0.01	0.02	0.01	0.04	28.68
	Agricultural	3.08E-03	3.50E-03	6.00E-03	5.01E-03	6.01E-03	4.55E-03	4.93E-03	3.86E-03	3.67E-03	2.08E-03	1.63E-03	1.33E-03	1.39
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	1.95	2.00	2.38	2.00	1.91	1.79	1.93	2.24	1.62	1.21	0.95	1.29	646.89
	General Permits - NCCW	0.08	0.08	0.09	0.03	0.05	0.04	0.08	0.08	0.08	0.03	0.03	0.02	21.13
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	1.87	1.93	2.29	1.97	1.85	1.75	1.84	2.16	1.55	1.18	0.92	1.27	625.75
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-7 Lilly Creek Entire Length	Total Loading Capacity	0.99	1.17	1.49	1.45	1.14	0.98	0.89	1.05	0.79	0.66	0.63	0.75	364.65
	Reserve Capacity	0.05	0.06	0.06	0.06	0.05	0.05	0.04	0.05	0.04	0.03	0.03	0.04	17.18
	Load Allocation	0.03	0.05	0.19	0.19	0.17	0.01	6.94E-03	6.46E-03	6.85E-03	7.17E-03	7.23E-03	0.01	20.96
	Background	0.03	0.05	0.19	0.19	0.17	0.01	6.94E-03	6.46E-03	6.85E-03	7.17E-03	7.23E-03	0.01	20.96
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	0.92	1.07	1.23	1.20	0.92	0.92	0.84	1.00	0.74	0.62	0.59	0.69	326.50
	General Permits - NCCW	0.03	0.03	0.04	0.02	0.02	0.02	0.02	0.03	0.03	0.01	0.01	0.01	8.01
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	0.88	1.03	1.19	1.19	0.90	0.90	0.81	0.97	0.71	0.61	0.58	0.68	318.49
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-8 Butler Ditch Entire Length	Total Loading Capacity	1.10	1.19	1.50	1.57	1.66	1.61	1.48	1.34	0.96	0.87	0.82	0.94	456.67
	Reserve Capacity	0.05	0.06	0.07	0.08	0.08	0.08	0.07	0.07	0.05	0.04	0.04	0.05	22.39
	Load Allocation	0.03	0.04	0.06	0.05	0.04	0.01	8.40E-03	6.29E-03	6.95E-03	7.39E-03	0.01	0.02	8.78
	Background	0.03	0.04	0.06	0.05	0.04	0.01	8.40E-03	6.29E-03	6.95E-03	7.39E-03	0.01	0.02	8.78
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	1.02	1.09	1.37	1.43	1.54	1.51	1.40	1.27	0.91	0.82	0.77	0.87	425.49
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	1.02	1.09	1.37	1.43	1.54	1.51	1.40	1.27	0.91	0.82	0.77	0.87	425.49
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.10 (MN) - Daily Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TP Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MN-9 Little Menomonee River Entire Length	Total Loading Capacity	4.73	5.37	6.59	6.45	5.48	4.42	3.88	3.72	2.70	2.78	3.28	4.12	1,626.97	
	Reserve Capacity	0.23	0.23	0.29	0.28	0.26	0.22	0.19	0.18	0.13	0.14	0.16	0.20	76.36	
	Load Allocation	0.35	0.99	1.24	1.26	0.63	0.36	0.23	0.15	0.10	0.13	0.19	0.26	179.36	
	Background	0.17	0.72	0.82	0.83	0.24	0.11	0.04	0.04	0.03	0.06	0.09	0.13	99.67	
	Agricultural	0.19	0.26	0.42	0.43	0.39	0.26	0.19	0.12	0.07	0.07	0.10	0.14	79.69	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	4.15	4.15	5.06	4.91	4.59	3.84	3.46	3.38	2.47	2.51	2.93	3.66	1,371.25	
	General Permits - NCCW	0.77	0.64	0.59	0.51	0.56	0.62	0.54	0.56	0.42	0.41	0.50	0.61	204.54	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	3.38	3.51	4.47	4.40	4.02	3.23	2.91	2.82	2.05	2.10	2.43	3.05	1,166.71	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-10 Menomonee River From Underwood Creek to Little Menomonee River	Total Loading Capacity	6.04	13.90	17.31	17.72	9.65	7.17	5.88	6.09	4.67	3.56	3.75	4.14	3,036.33	
	Reserve Capacity	0.30	0.69	0.85	0.87	0.48	0.36	0.29	0.30	0.23	0.18	0.19	0.21	150.49	
	Load Allocation	0.04	0.15	0.24	0.23	0.13	0.03	0.01	7.21E-03	7.69E-03	8.88E-03	7.84E-03	0.01	26.58	
	Background	0.04	0.15	0.24	0.23	0.13	0.03	0.01	7.21E-03	7.69E-03	8.88E-03	7.84E-03	0.01	26.58	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	5.70	13.06	16.22	16.62	9.05	6.78	5.57	5.78	4.43	3.37	3.56	3.92	2,859.27	
	General Permits - NCCW	0.12	0.24	0.24	0.19	0.12	0.10	0.07	0.08	0.08	0.07	0.08	0.07	44.53	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	4.78	11.32	14.42	15.21	8.13	6.05	5.05	5.19	3.81	2.84	2.99	3.38	2,528.21	
Individual Permits	0.80	1.51	1.56	1.22	0.80	0.63	0.45	0.51	0.54	0.46	0.49	0.47	286.53		
MN-11 Underwood Creek and Dousman Ditch From South Branch Underwood Creek to Headwaters	Total Loading Capacity	1.39	2.00	2.48	2.50	2.07	1.71	1.70	1.49	1.27	0.96	0.99	1.09	597.37	
	Reserve Capacity	0.07	0.09	0.08	0.08	0.07	0.08	0.08	0.07	0.06	0.05	0.05	0.05	25.12	
	Load Allocation	0.06	0.31	0.91	0.93	0.70	0.09	0.05	0.02	0.03	0.02	0.03	0.04	96.52	
	Background	0.06	0.30	0.90	0.92	0.69	0.08	0.05	0.02	0.02	0.02	0.02	0.04	94.99	
	Agricultural	2.59E-03	4.53E-03	7.24E-03	8.24E-03	7.00E-03	5.70E-03	3.94E-03	2.69E-03	2.47E-03	2.08E-03	2.09E-03	1.77E-03	1.53	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	1.26	1.61	1.49	1.49	1.30	1.54	1.57	1.39	1.18	0.89	0.91	1.00	475.73	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MS4	1.26	1.61	1.49	1.49	1.30	1.54	1.57	1.39	1.18	0.89	0.91	1.00	475.73	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-		
MN-12 Underwood Creek From Menomonee River to South Branch Underwood Creek	Total Loading Capacity	1.51	2.20	2.71	2.84	2.28	1.96	1.99	1.80	1.50	1.11	1.16	1.28	678.58	
	Reserve Capacity	0.08	0.11	0.13	0.14	0.11	0.10	0.10	0.09	0.07	0.06	0.06	0.06	33.41	
	Load Allocation	0.01	0.04	0.12	0.12	0.10	0.03	0.02	9.28E-03	7.46E-03	6.21E-03	7.19E-03	8.48E-03	14.45	
	Background	8.59E-03	0.03	0.09	0.09	0.07	0.01	8.26E-03	4.44E-03	3.63E-03	3.34E-03	4.18E-03	5.97E-03	10.37	
	Agricultural	5.46E-03	0.01	0.03	0.03	0.02	0.01	8.53E-03	4.84E-03	3.83E-03	2.86E-03	3.01E-03	2.52E-03	4.08	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	1.42	2.05	2.46	2.58	2.07	1.83	1.87	1.70	1.41	1.05	1.10	1.20	630.73	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MS4	1.42	2.04	2.45	2.52	2.02	1.79	1.84	1.67	1.36	0.99	1.05	1.18	618.19	
Individual Permits	-	5.46E-03	0.02	0.06	0.05	0.05	0.03	0.03	0.06	0.05	0.05	0.02	12.54		

Table A.10 (MN) - Daily Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TP Load (lbs/day)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MN-13 South Branch Underwood Creek Entire Length	Total Loading Capacity	1.02	1.48	1.82	1.84	1.48	1.27	1.35	1.22	1.02	0.77	0.80	0.86	454.20
	Reserve Capacity	0.05	0.07	0.09	0.09	0.07	0.06	0.07	0.06	0.05	0.04	0.04	0.04	22.41
	Load Allocation	8.21E-03	0.02	0.06	0.07	0.05	0.02	0.01	5.56E-03	5.00E-03	4.35E-03	4.89E-03	5.63E-03	8.11
	Background	5.90E-03	0.02	0.05	0.05	0.04	9.94E-03	6.05E-03	3.11E-03	2.83E-03	2.76E-03	3.20E-03	4.27E-03	6.00
	Agricultural	2.31E-03	5.67E-03	0.01	0.02	0.01	6.26E-03	4.16E-03	2.44E-03	2.17E-03	1.59E-03	1.68E-03	1.36E-03	2.11
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	0.96	1.38	1.67	1.69	1.35	1.19	1.27	1.16	0.97	0.73	0.75	0.81	423.68
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	0.96	1.38	1.67	1.69	1.35	1.19	1.27	1.16	0.97	0.73	0.75	0.81	423.68
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-14 Menomonee River From Honey Creek to Underwood Creek	Total Loading Capacity	1.51	3.72	3.99	4.33	2.81	2.63	0.56	0.46	0.26	1.50	0.86	1.00	717.80
	Reserve Capacity	0.08	0.19	0.20	0.21	0.14	0.13	0.03	0.02	0.01	0.07	0.04	0.05	35.61
	Load Allocation	4.48E-03	0.02	0.05	0.05	0.04	7.13E-03	4.17E-03	1.95E-03	1.85E-03	2.09E-03	2.09E-03	3.06E-03	5.62
	Background	4.48E-03	0.02	0.05	0.05	0.04	7.13E-03	4.17E-03	1.95E-03	1.85E-03	2.09E-03	2.09E-03	3.06E-03	5.62
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	1.43	3.52	3.74	4.06	2.63	2.49	0.53	0.43	0.24	1.42	0.81	0.95	676.57
	General Permits - NCCW	0.76	1.63	1.50	1.57	1.13	1.15	0.23	0.21	0.13	0.78	0.43	0.49	304.26
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	0.67	1.88	2.24	2.49	1.50	1.34	0.30	0.22	0.12	0.65	0.38	0.46	372.31
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-15 Honey Creek Entire Length	Total Loading Capacity	1.89	2.42	3.30	3.37	3.05	2.41	2.75	2.71	2.33	1.81	1.64	1.77	894.76
	Reserve Capacity	0.09	0.12	0.16	0.17	0.15	0.12	0.14	0.14	0.12	0.09	0.08	0.09	44.40
	Load Allocation	6.55E-03	0.01	0.06	0.06	0.06	7.55E-03	4.54E-03	3.65E-03	3.10E-03	3.15E-03	3.21E-03	4.52E-03	6.84
	Background	6.55E-03	0.01	0.06	0.06	0.06	7.55E-03	4.54E-03	3.65E-03	3.10E-03	3.15E-03	3.21E-03	4.52E-03	6.84
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	1.79	2.28	3.08	3.14	2.84	2.28	2.60	2.57	2.21	1.72	1.55	1.68	843.52
	General Permits - NCCW	0.18	0.19	0.19	0.20	0.22	0.19	0.15	0.15	0.19	0.16	0.14	0.14	63.26
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	1.61	2.10	2.89	2.94	2.62	2.09	2.46	2.42	2.02	1.56	1.41	1.55	780.26
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-16 Menomonee River From Estuary to Honey Creek	Total Loading Capacity	8.23	8.90	10.75	10.33	10.17	9.37	9.09	8.72	7.04	6.65	6.37	7.07	3,121.56
	Reserve Capacity	0.41	0.44	0.53	0.51	0.50	0.47	0.45	0.44	0.35	0.33	0.32	0.35	155.26
	Load Allocation	0.02	0.06	0.13	0.14	0.11	0.03	0.02	0.01	9.18E-03	9.90E-03	8.56E-03	0.01	16.99
	Background	0.02	0.05	0.13	0.13	0.11	0.03	0.02	9.22E-03	8.36E-03	9.24E-03	7.96E-03	0.01	16.40
	Agricultural	7.90E-04	1.08E-03	2.31E-03	2.92E-03	3.29E-03	2.71E-03	2.14E-03	1.52E-03	8.22E-04	6.64E-04	6.03E-04	6.58E-04	0.59
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	7.80	8.40	10.09	9.68	9.56	8.87	8.62	8.27	6.68	6.30	6.04	6.70	2,949.31
	General Permits - NCCW	1.43	1.33	1.37	1.25	1.39	1.40	1.29	1.36	1.20	1.20	1.11	1.20	472.72
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	3.99	4.85	6.44	6.35	5.85	5.14	5.18	4.64	3.48	3.11	3.08	3.49	1,690.12
Individual Permits	2.38	2.22	2.28	2.08	2.31	2.33	2.15	2.27	2.00	2.00	1.85	2.00	786.47	

Table A.11 (MN) - Monthly Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MN-1 Menomonee River From Nor-X-Way Channel to Headwaters	Total Loading Capacity	115.54	155.03	188.54	180.17	130.75	101.27	89.28	99.47	80.77	80.94	80.65	95.35	1,397.77
	Reserve Capacity	5.21	7.06	6.38	6.08	3.77	4.80	4.33	4.88	3.95	3.95	3.87	4.44	58.72
	Load Allocation	20.42	27.40	74.86	71.35	64.00	14.63	9.75	7.58	5.80	6.06	7.78	12.65	322.28
	Background	11.07	13.48	60.39	58.07	54.92	4.78	2.21	1.49	1.39	1.62	3.08	6.42	218.92
	Agricultural	7.26	10.86	11.50	10.41	7.38	7.63	5.50	3.70	2.54	2.53	2.94	4.36	76.62
	Non-Permitted Urban	2.08	3.05	2.97	2.87	1.70	2.23	2.03	2.38	1.88	1.91	1.76	1.87	26.73
	Wasteload Allocation	89.91	120.57	107.29	102.74	62.98	81.84	75.21	87.02	71.02	70.93	69.01	78.26	1,016.77
	General Permits - NCCW	23.06	22.54	11.82	10.14	8.27	9.88	9.65	10.10	10.44	9.29	12.43	18.28	155.90
	General Permits - Other	0.18	0.35	0.49	0.45	0.25	0.23	0.26	0.32	0.22	0.17	0.14	0.14	3.21
	MS4	66.66	97.68	94.98	92.00	54.27	71.42	64.99	76.28	60.04	61.27	56.32	59.85	855.75
Individual Permits	-	-	-	0.15	0.19	0.31	0.30	0.31	0.32	0.21	0.12	-	1.91	
MN-2 Goldendale Creek Entire Length	Total Loading Capacity	9.94	12.94	16.17	15.94	12.15	9.28	7.63	8.51	6.88	6.85	6.76	8.02	121.07
	Reserve Capacity	0.47	0.61	0.74	0.74	0.56	0.45	0.38	0.42	0.34	0.34	0.33	0.39	5.77
	Load Allocation	2.44	3.04	3.98	3.70	3.14	1.71	1.19	0.93	0.76	0.65	0.90	1.51	23.96
	Background	0.55	0.67	1.27	1.18	1.02	0.26	0.10	0.07	0.06	0.07	0.14	0.30	5.69
	Agricultural	1.89	2.36	2.70	2.51	2.11	1.44	1.07	0.86	0.69	0.57	0.76	1.20	18.15
	Non-Permitted Urban	9.14E-03	0.01	0.01	0.01	0.01	9.25E-03	7.89E-03	9.30E-03	7.52E-03	7.62E-03	7.18E-03	7.97E-03	0.12
	Wasteload Allocation	7.03	9.29	11.45	11.50	8.45	7.11	6.06	7.15	5.78	5.86	5.52	6.13	91.34
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	4.62E-04	8.83E-04	1.22E-03	1.15E-03	6.53E-04	6.03E-04	8.32E-04	1.10E-03	8.25E-04	9.51E-04	7.53E-04	7.38E-04	0.01
	MS4	7.03	9.29	11.44	11.50	8.45	7.11	6.06	7.15	5.78	5.86	5.52	6.12	91.33
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-3 West Branch Menomonee River Entire Length	Total Loading Capacity	15.60	21.47	27.31	27.35	20.39	16.33	15.26	17.39	13.95	12.66	11.63	13.29	212.63
	Reserve Capacity	0.73	1.02	1.26	1.22	0.89	0.75	0.75	0.86	0.69	0.63	0.57	0.64	10.01
	Load Allocation	1.43	1.87	3.10	3.80	3.44	1.93	0.67	0.46	0.39	0.33	0.47	0.84	18.72
	Background	0.92	1.12	2.14	2.91	2.65	1.37	0.20	0.14	0.13	0.13	0.25	0.52	12.47
	Agricultural	0.51	0.75	0.96	0.89	0.79	0.56	0.47	0.32	0.25	0.20	0.22	0.32	6.24
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	13.44	18.59	22.95	22.33	16.06	13.65	13.84	16.07	12.88	11.70	10.59	11.81	183.90
	General Permits - NCCW	2.17	2.15	1.26	0.94	0.94	0.71	0.90	0.90	0.97	0.66	1.00	1.67	14.27
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	11.27	16.44	21.69	21.38	15.12	12.94	12.94	15.17	11.90	11.05	9.59	10.14	169.63
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-4 Willow Creek Entire Length	Total Loading Capacity	29.89	39.71	49.54	48.15	35.77	26.77	22.24	25.22	20.33	20.67	20.26	24.32	362.87
	Reserve Capacity	1.37	1.83	2.19	2.13	1.55	1.26	1.08	1.24	0.99	1.01	0.97	1.14	16.74
	Load Allocation	5.51	6.89	9.89	9.27	7.97	3.67	2.38	1.78	1.52	1.38	2.00	3.46	55.73
	Background	2.54	3.14	5.72	5.53	4.84	1.59	0.73	0.49	0.45	0.55	0.88	1.59	28.04
	Agricultural	2.97	3.75	4.18	3.74	3.13	2.08	1.65	1.29	1.07	0.83	1.13	1.87	27.68
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	23.02	30.99	37.46	36.75	26.25	21.83	18.78	22.20	17.81	18.29	17.28	19.72	290.40
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	23.02	30.99	37.46	36.75	26.25	21.83	18.78	22.20	17.81	18.29	17.28	19.72	290.40
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.11 (MN) - Monthly Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MN-5 Nor-X-Way Channel Entire Length	Total Loading Capacity	26.85	31.02	37.82	36.84	29.50	25.71	23.31	26.94	21.11	18.48	18.02	20.85	316.45	
	Reserve Capacity	1.28	1.45	1.52	1.49	1.17	1.25	1.15	1.33	1.04	0.90	0.88	1.01	14.46	
	Load Allocation	1.40	2.31	7.68	7.40	6.47	0.87	0.53	0.52	0.49	0.50	0.50	0.80	29.48	
	Background	1.28	2.12	7.34	7.02	6.15	0.62	0.34	0.38	0.41	0.43	0.43	0.72	27.25	
	Agricultural	0.12	0.19	0.34	0.38	0.32	0.25	0.18	0.14	0.08	0.07	0.07	0.08	2.24	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	24.17	27.27	28.61	27.95	21.86	23.58	21.63	25.09	19.58	17.07	16.65	19.04	272.50	
	General Permits - NCCW	11.82	11.57	10.93	10.15	8.79	9.44	8.69	10.36	9.28	8.12	8.16	9.01	116.33	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	12.22	15.57	17.56	17.69	12.97	14.04	12.85	14.61	10.20	8.86	8.40	9.93	154.90	
Individual Permits	0.13	0.13	0.12	0.11	0.10	0.10	0.10	0.11	0.10	0.09	0.09	0.10	1.28		
MN-6 Menomonee River and Dretzka Park Creek From Little Menomonee River to Nor-X-Way Channel	Total Loading Capacity	65.11	67.86	81.66	70.35	66.18	60.32	62.21	72.20	52.48	39.36	30.78	42.56	711.08	
	Reserve Capacity	3.13	3.21	3.83	3.21	3.06	2.88	3.09	3.59	2.60	1.94	1.52	2.07	34.12	
	Load Allocation	2.59	3.72	5.34	6.27	5.20	2.92	0.58	0.60	0.52	0.57	0.49	1.25	30.07	
	Background	2.50	3.62	5.16	6.12	5.02	2.78	0.43	0.48	0.41	0.51	0.44	1.21	28.68	
	Agricultural	0.09	0.11	0.18	0.15	0.18	0.14	0.15	0.12	0.11	0.06	0.05	0.04	1.39	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	59.39	60.92	72.50	60.87	57.92	54.53	58.53	68.02	49.36	36.84	28.77	39.23	646.89	
	General Permits - NCCW	2.58	2.36	2.80	1.04	1.53	1.27	2.46	2.37	2.31	0.91	0.78	0.73	21.13	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	56.81	58.56	69.70	59.83	56.39	53.26	56.07	65.66	47.05	35.94	27.99	38.51	625.75	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-7 Lilly Creek Entire Length	Total Loading Capacity	30.17	35.72	45.15	44.23	34.53	29.85	27.04	32.05	23.89	20.11	19.25	22.67	364.65	
	Reserve Capacity	1.46	1.71	1.96	1.93	1.48	1.47	1.34	1.59	1.18	0.99	0.95	1.11	17.18	
	Load Allocation	0.87	1.55	5.92	5.69	5.02	0.41	0.21	0.20	0.21	0.22	0.22	0.44	20.96	
	Background	0.87	1.55	5.92	5.69	5.02	0.41	0.21	0.20	0.21	0.22	0.22	0.44	20.96	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	27.83	32.46	37.26	36.62	28.03	27.97	25.49	30.26	22.49	18.89	18.08	21.11	326.50	
	General Permits - NCCW	0.97	1.00	1.14	0.50	0.53	0.46	0.76	0.79	0.79	0.36	0.39	0.32	8.01	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	26.86	31.45	36.12	36.12	27.50	27.50	24.73	29.47	21.70	18.53	17.70	20.80	318.49	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-8 Butler Ditch Entire Length	Total Loading Capacity	33.34	36.08	45.58	47.58	50.33	48.83	44.99	40.77	29.29	26.31	25.04	28.52	456.67	
	Reserve Capacity	1.63	1.74	2.19	2.30	2.46	2.42	2.24	2.03	1.45	1.30	1.24	1.40	22.39	
	Load Allocation	0.78	1.28	1.76	1.66	1.12	0.43	0.26	0.19	0.21	0.22	0.34	0.53	8.78	
	Background	0.78	1.28	1.76	1.66	1.12	0.43	0.26	0.19	0.21	0.22	0.34	0.53	8.78	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	30.93	33.07	41.63	43.62	46.75	45.97	42.50	38.55	27.63	24.78	23.47	26.60	425.49	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	30.93	33.07	41.63	43.62	46.75	45.97	42.50	38.55	27.63	24.78	23.47	26.60	425.49	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.11 (MN) - Monthly Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MN-9 Little Menomonee River Entire Length	Total Loading Capacity	143.94	163.22	200.36	196.04	166.47	134.40	117.91	113.05	82.18	84.43	99.59	125.38	1,626.97	
	Reserve Capacity	6.94	7.06	8.76	8.54	7.96	6.55	5.83	5.59	4.06	4.14	4.84	6.08	76.36	
	Load Allocation	10.69	30.09	37.79	38.18	19.02	11.06	7.01	4.67	3.17	3.92	5.73	8.02	179.36	
	Background	5.05	22.04	25.06	25.18	7.22	3.30	1.31	1.15	1.05	1.69	2.82	3.81	99.67	
	Agricultural	5.64	8.05	12.74	13.01	11.79	7.76	5.70	3.52	2.12	2.23	2.91	4.21	79.69	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	126.30	126.07	153.80	149.31	139.49	116.79	105.07	102.79	74.95	76.38	89.02	111.28	1,371.25	
	General Permits - NCCW	23.55	19.32	17.91	15.53	17.16	18.73	16.46	16.99	12.65	12.55	15.18	18.51	204.54	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	102.75	106.75	135.88	133.78	122.33	98.06	88.61	85.80	62.30	63.83	73.85	92.77	1,166.71	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-10 Menomonee River From Underwood Creek to Little Menomonee River	Total Loading Capacity	183.47	422.61	526.34	538.77	293.33	217.87	178.65	185.12	142.11	108.19	114.10	125.77	3,036.33	
	Reserve Capacity	9.11	20.90	25.95	26.58	14.47	10.85	8.92	9.25	7.09	5.40	5.69	6.27	150.49	
	Load Allocation	1.17	4.53	7.25	7.09	3.87	0.92	0.33	0.22	0.23	0.27	0.24	0.45	26.58	
	Background	1.17	4.53	7.25	7.09	3.87	0.92	0.33	0.22	0.23	0.27	0.24	0.45	26.58	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	173.18	397.17	493.13	505.10	274.99	206.10	169.41	175.66	134.78	102.53	108.17	119.05	2,859.27	
	General Permits - NCCW	3.76	7.15	7.36	5.75	3.76	2.98	2.14	2.40	2.54	2.16	2.32	2.21	44.53	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	145.20	344.02	438.39	462.38	247.06	183.95	153.51	157.81	115.90	86.48	90.91	102.62	2,528.21	
Individual Permits	24.22	46.01	47.38	36.97	24.17	19.17	13.76	15.45	16.34	13.89	14.94	14.22	286.53		
MN-11 Underwood Creek and Dousman Ditch From South Branch Underwood Creek to Headwaters	Total Loading Capacity	42.21	60.93	75.41	75.95	62.90	52.07	51.71	45.28	38.47	29.25	30.02	33.17	597.37	
	Reserve Capacity	2.02	2.59	2.40	2.40	2.09	2.48	2.51	2.23	1.89	1.43	1.46	1.60	25.12	
	Load Allocation	1.84	9.30	27.61	28.15	21.30	2.67	1.55	0.76	0.77	0.64	0.80	1.13	96.52	
	Background	1.76	9.16	27.39	27.90	21.08	2.50	1.43	0.68	0.70	0.57	0.74	1.08	94.99	
	Agricultural	0.08	0.14	0.22	0.25	0.21	0.17	0.12	0.08	0.08	0.06	0.06	0.05	1.53	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	38.34	49.04	45.40	45.40	39.51	46.92	47.65	42.29	35.81	27.18	27.75	30.43	475.73	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	38.34	49.04	45.40	45.40	39.51	46.92	47.65	42.29	35.81	27.18	27.75	30.43	475.73	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-12 Underwood Creek From Menomonee River to South Branch Underwood Creek	Total Loading Capacity	45.87	66.88	82.40	86.19	69.30	59.55	60.45	54.73	45.47	33.68	35.29	38.78	678.58	
	Reserve Capacity	2.28	3.29	3.98	4.17	3.36	2.96	3.01	2.73	2.27	1.68	1.76	1.93	33.41	
	Load Allocation	0.43	1.36	3.54	3.73	2.90	0.81	0.51	0.28	0.23	0.19	0.22	0.26	14.45	
	Background	0.26	1.01	2.77	2.84	2.18	0.39	0.25	0.13	0.11	0.10	0.13	0.18	10.37	
	Agricultural	0.17	0.35	0.77	0.89	0.71	0.42	0.26	0.15	0.12	0.09	0.09	0.08	4.08	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	43.16	62.23	74.88	78.29	63.05	55.78	56.93	51.72	42.97	31.81	33.31	36.59	630.73	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	43.16	62.06	74.39	76.60	61.46	54.29	56.01	50.78	41.30	30.22	31.91	36.02	618.19	
Individual Permits	-	0.17	0.49	1.70	1.59	1.50	0.92	0.94	1.67	1.60	1.40	0.58	12.54		

Table A.11 (MN) - Monthly Total Phosphorus Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TP Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MN-13 South Branch Underwood Creek Entire Length	Total Loading Capacity	31.00	45.02	55.37	56.06	44.95	38.67	40.89	37.14	31.11	23.45	24.30	26.24	454.20	
	Reserve Capacity	1.54	2.22	2.69	2.73	2.19	1.92	2.04	1.85	1.55	1.17	1.21	1.31	22.41	
	Load Allocation	0.25	0.76	1.90	2.04	1.59	0.49	0.31	0.17	0.15	0.13	0.15	0.17	8.11	
	Background	0.18	0.59	1.48	1.55	1.22	0.30	0.18	0.09	0.09	0.08	0.10	0.13	6.00	
	Agricultural	0.07	0.17	0.42	0.49	0.37	0.19	0.13	0.07	0.07	0.05	0.05	0.04	2.11	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	29.21	42.04	50.78	51.29	41.17	36.26	38.54	35.11	29.41	22.15	22.94	24.76	423.68	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	29.21	42.04	50.78	51.29	41.17	36.26	38.54	35.11	29.41	22.15	22.94	24.76	423.68	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-14 Menomonee River From Honey Creek to Underwood Creek	Total Loading Capacity	45.92	113.05	121.22	131.53	85.28	79.88	17.14	13.90	7.81	45.58	26.06	30.44	717.80	
	Reserve Capacity	2.29	5.63	5.99	6.50	4.20	3.98	0.85	0.69	0.39	2.28	1.30	1.52	35.61	
	Load Allocation	0.14	0.55	1.51	1.55	1.20	0.22	0.13	0.06	0.06	0.06	0.06	0.09	5.62	
	Background	0.14	0.55	1.51	1.55	1.20	0.22	0.13	0.06	0.06	0.06	0.06	0.09	5.62	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	43.49	106.88	113.72	123.48	79.87	75.68	16.16	13.15	7.37	43.24	24.69	28.83	676.57	
	General Permits - NCCW	23.05	49.62	45.74	47.67	34.22	34.95	7.14	6.34	3.83	23.63	13.07	14.98	304.26	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MS4	20.44	57.25	67.98	75.82	45.65	40.72	9.02	6.81	3.53	19.61	11.63	13.85	372.31	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-		
MN-15 Honey Creek Entire Length	Total Loading Capacity	57.34	73.42	100.22	102.36	92.58	73.28	83.46	82.51	70.82	55.10	49.74	53.94	894.76	
	Reserve Capacity	2.86	3.65	4.92	5.03	4.54	3.65	4.17	4.12	3.54	2.75	2.48	2.69	44.40	
	Load Allocation	0.20	0.36	1.82	1.85	1.71	0.23	0.14	0.11	0.09	0.10	0.10	0.14	6.84	
	Background	0.20	0.36	1.82	1.85	1.71	0.23	0.14	0.11	0.09	0.10	0.10	0.14	6.84	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	54.28	69.41	93.48	95.49	86.32	69.39	79.15	78.28	67.19	52.25	47.16	51.11	843.52	
	General Permits - NCCW	5.38	5.70	5.66	6.08	6.57	5.87	4.49	4.64	5.65	4.72	4.36	4.13	63.26	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MS4	48.90	63.71	87.82	89.40	79.75	63.52	74.66	73.64	61.54	47.53	42.79	46.98	780.26	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-		
MN-16 Menomonee River From Estuary to Honey Creek	Total Loading Capacity	250.05	270.49	326.76	314.09	309.24	284.78	276.48	265.08	214.11	202.02	193.63	214.82	3,121.56	
	Reserve Capacity	12.48	13.44	16.14	15.50	15.30	14.20	13.80	13.24	10.69	10.09	9.67	10.72	155.26	
	Load Allocation	0.57	1.70	4.02	4.19	3.38	0.94	0.61	0.33	0.28	0.30	0.26	0.42	16.99	
	Background	0.54	1.66	3.95	4.10	3.28	0.86	0.55	0.28	0.25	0.28	0.24	0.40	16.40	
	Agricultural	0.02	0.03	0.07	0.09	0.10	0.08	0.07	0.05	0.02	0.02	0.02	0.02	0.59	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	237.01	255.35	306.60	294.40	290.56	269.64	262.08	251.51	203.14	191.64	183.70	203.67	2,949.31	
	General Permits - NCCW	43.42	40.53	41.62	38.09	42.30	42.61	39.32	41.46	36.51	36.50	33.79	36.58	472.72	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MS4	121.36	147.40	195.74	192.93	177.90	156.15	157.34	141.07	105.89	94.41	93.69	106.23	1,690.12	
Individual Permits	72.23	67.43	69.24	63.38	70.37	70.88	65.41	68.98	60.74	60.73	56.22	60.86	786.47		

Table A.12 (MN) - Daily Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TSS Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MN-1 Menomonee River From Nor-X-Way Channel to Headwaters	Total Loading Capacity	608.11	815.95	992.29	951.31	690.33	534.35	469.48	523.09	424.65	425.66	424.28	501.86	223,785.89	
	Reserve Capacity	28.21	37.90	43.96	41.23	29.01	24.45	22.49	25.43	20.64	20.59	20.17	23.47	10,261.81	
	Load Allocation	203.54	250.32	304.35	262.70	203.09	103.17	62.65	45.84	40.70	49.55	83.40	137.86	53,113.92	
	Background	43.02	56.23	109.33	119.60	104.16	39.42	12.99	7.21	6.85	11.79	19.80	31.80	17,090.99	
	Agricultural	148.79	177.66	175.01	123.14	84.83	51.25	37.87	24.76	22.67	26.72	53.61	95.45	31,061.50	
	Non-Permitted Urban	11.73	16.43	20.00	19.96	14.11	12.50	11.78	13.87	11.18	11.04	9.99	10.61	4,961.43	
	Wasteload Allocation	376.37	527.73	643.98	647.39	458.23	406.74	384.34	451.82	363.31	355.52	320.71	340.53	160,410.16	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.95	1.71	3.74	3.66	2.90	3.38	6.00	6.93	4.29	1.55	0.61	0.75	1,108.70	
	MS4	375.41	526.02	640.24	639.09	451.56	400.10	377.23	443.97	357.88	353.44	319.64	339.79	158,820.91	
Individual Permits	-	-	-	4.64	3.77	3.26	1.10	0.91	1.13	0.54	0.45	-	-	480.55	
MN-2 Goldendale Creek Entire Length	Total Loading Capacity	52.32	68.11	85.12	83.91	63.93	48.83	40.14	44.80	36.22	36.04	35.56	42.24	19,371.52	
	Reserve Capacity	2.50	3.25	4.01	3.92	2.96	2.33	1.97	2.22	1.79	1.78	1.74	2.04	927.47	
	Load Allocation	21.07	25.19	29.61	25.50	18.79	10.40	5.83	4.12	3.76	4.61	8.33	13.68	5,195.22	
	Background	2.33	3.04	5.00	5.59	4.76	2.22	0.74	0.39	0.37	0.32	0.77	1.39	818.14	
	Agricultural	18.71	22.10	24.55	19.84	13.97	8.14	5.05	3.67	3.35	4.25	7.52	12.26	4,359.85	
	Non-Permitted Urban	0.04	0.05	0.07	0.07	0.05	0.05	0.04	0.05	0.04	0.04	0.03	0.03	17.23	
	Wasteload Allocation	28.75	39.67	51.51	54.50	42.19	36.09	32.34	38.46	30.67	29.64	25.49	26.51	13,248.82	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	2.66E-03	4.72E-03	7.60E-03	7.48E-03	5.47E-03	9.09E-03	0.02	0.02	0.01	0.02	0.01	0.01	0.01	3.89
	MS4	28.75	39.66	51.50	54.49	42.18	36.08	32.32	38.44	30.65	29.63	25.48	26.50	13,244.93	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-3 West Branch Menomonee River Entire Length	Total Loading Capacity	82.10	113.02	143.71	143.96	107.31	85.94	80.33	91.50	73.45	66.64	61.19	69.93	34,020.03	
	Reserve Capacity	3.91	5.40	6.77	6.74	4.97	4.12	3.95	4.53	3.63	3.29	2.98	3.37	1,631.47	
	Load Allocation	14.19	17.56	20.72	18.05	14.18	7.31	4.32	2.88	2.82	2.89	5.36	9.39	3,638.24	
	Background	3.87	5.06	8.34	9.19	7.82	3.55	1.29	0.82	0.77	0.90	1.56	2.59	1,390.60	
	Agricultural	10.32	12.50	12.39	8.86	6.37	3.76	3.02	2.06	2.05	2.00	3.81	6.80	2,247.64	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	64.00	90.06	116.22	119.17	88.16	74.51	72.06	84.09	66.99	60.46	52.85	57.17	28,750.32	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	64.00	90.06	116.22	119.17	88.16	74.51	72.06	84.09	66.99	60.46	52.85	57.17	28,750.32	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-4 Willow Creek Entire Length	Total Loading Capacity	157.32	209.00	260.75	253.43	188.26	140.88	117.05	132.73	107.00	108.81	106.62	127.98	58,058.44	
	Reserve Capacity	7.25	9.64	11.78	11.24	8.20	6.42	5.61	6.48	5.20	5.23	5.01	5.92	2,674.44	
	Load Allocation	45.92	57.19	69.75	61.27	46.82	25.13	13.40	9.19	8.26	10.72	18.29	30.34	12,046.53	
	Background	12.40	16.22	25.23	28.65	24.31	12.43	4.79	3.16	2.95	4.27	6.41	9.50	4,569.66	
	Agricultural	33.52	40.97	44.52	32.62	22.51	12.70	8.61	6.02	5.31	6.45	11.88	20.84	7,476.86	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	104.15	142.17	179.22	180.93	133.24	109.33	98.04	117.07	93.54	92.86	83.32	91.72	43,337.47	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	104.15	142.17	179.22	180.93	133.24	109.33	98.04	117.07	93.54	92.86	83.32	91.72	43,337.47	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.12 (MN) - Daily Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TSS Load (lbs/day)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MN-5 Nor-X-Way Channel Entire Length	Total Loading Capacity	141.33	163.26	199.03	193.91	155.27	135.29	122.68	141.77	111.11	97.25	94.86	109.73	50,631.28
	Reserve Capacity	6.86	7.90	9.05	8.77	6.90	6.58	6.05	6.99	5.47	4.76	4.64	5.34	2,411.35
	Load Allocation	10.47	13.47	28.76	26.82	22.60	6.75	3.72	3.15	2.71	3.20	4.11	6.26	4,013.02
	Background	4.21	5.20	17.97	18.43	17.31	3.73	1.74	1.87	1.76	1.98	1.98	2.91	2,404.36
	Agricultural	6.26	8.27	10.79	8.39	5.28	3.02	1.98	1.27	0.96	1.22	2.13	3.35	1,608.66
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	124.00	141.90	161.22	158.32	125.77	121.97	112.91	131.63	102.93	89.29	86.11	98.13	44,206.92
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	100.68	122.34	142.14	145.16	112.64	112.56	105.34	126.36	95.53	82.10	74.36	83.33	39,597.27
Individual Permits	23.32	19.56	19.08	13.16	13.13	9.40	7.56	5.27	7.40	7.19	11.75	14.80	4,609.65	
MN-6 Menomonee River and Dretzka Park Creek From Little Menomonee River to Nor-X-Way Channel	Total Loading Capacity	342.70	357.15	429.81	370.27	348.33	317.49	327.40	380.02	276.23	207.14	162.01	223.98	113,772.80
	Reserve Capacity	16.83	17.24	20.26	16.75	15.95	15.10	16.27	18.91	13.73	10.25	8.00	11.01	5,480.69
	Load Allocation	8.09	14.45	27.33	36.80	30.79	16.31	3.16	2.80	2.55	2.59	2.46	4.54	4,616.52
	Background	6.17	12.43	24.67	35.28	29.26	15.40	1.94	1.91	1.67	2.22	2.00	3.86	4,158.94
	Agricultural	1.92	2.03	2.65	1.52	1.53	0.91	1.22	0.89	0.88	0.37	0.45	0.68	457.59
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	317.79	325.46	382.23	316.72	301.59	286.08	307.97	358.32	259.95	194.30	151.56	208.43	103,675.58
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	317.79	325.46	382.23	316.72	301.59	286.08	307.97	358.32	259.95	194.30	151.56	208.43	103,675.58
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-7 Lilly Creek Entire Length	Total Loading Capacity	158.78	187.98	237.61	232.80	181.74	157.12	142.33	168.68	125.71	105.82	101.34	119.29	58,343.72
	Reserve Capacity	7.81	9.23	11.45	11.18	8.67	7.73	7.06	8.38	6.24	5.24	5.02	5.88	2,854.14
	Load Allocation	2.56	3.37	8.53	9.16	8.44	2.62	1.05	1.03	0.96	1.05	0.99	1.72	1,260.82
	Background	2.56	3.37	8.53	9.16	8.44	2.62	1.05	1.03	0.96	1.05	0.99	1.72	1,260.82
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	148.41	175.38	217.63	212.45	164.64	146.78	134.21	159.26	118.52	99.53	95.33	111.70	54,228.75
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	148.41	175.38	217.63	212.45	164.64	146.78	134.21	159.26	118.52	99.53	95.33	111.70	54,228.75
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-8 Butler Ditch Entire Length	Total Loading Capacity	175.48	189.92	239.90	250.43	264.88	256.99	236.79	214.58	154.18	138.47	131.80	150.11	73,067.02
	Reserve Capacity	8.69	9.34	11.73	12.21	12.97	12.71	11.78	10.68	7.67	6.88	6.55	7.44	3,606.96
	Load Allocation	1.75	3.06	5.27	6.30	5.41	2.78	1.23	0.99	0.79	0.89	0.71	1.34	927.89
	Background	1.75	3.06	5.27	6.30	5.41	2.78	1.23	0.99	0.79	0.89	0.71	1.34	927.89
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	165.04	177.52	222.89	231.92	246.49	241.50	223.78	202.91	145.72	130.71	124.53	141.34	68,532.17
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	165.04	177.52	222.89	231.92	246.49	241.50	223.78	202.91	145.72	130.71	124.53	141.34	68,532.17
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.12 (MN) - Daily Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TSS Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MN-9 Little Menomonee River Entire Length	Total Loading Capacity	757.57	859.04	1,054.50	1,031.79	876.14	707.37	620.58	594.98	432.54	444.39	524.17	659.91	260,315.08	
	Reserve Capacity	36.56	40.31	49.13	47.76	41.66	34.33	30.74	29.36	21.31	21.77	25.50	32.06	12,478.61	
	Load Allocation	186.18	241.17	281.23	220.35	134.52	95.13	56.85	43.21	22.21	34.32	68.44	115.91	45,585.63	
	Background	26.44	52.94	71.94	76.58	42.85	20.83	5.72	7.85	6.26	9.06	14.16	18.76	10,742.82	
	Agricultural	159.74	188.23	209.30	143.77	91.68	74.30	51.13	35.37	15.95	25.26	54.27	97.15	34,842.81	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	534.84	577.57	724.14	763.68	699.95	577.92	532.98	522.41	389.02	388.31	430.24	511.94	202,250.84	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	534.84	577.57	724.14	763.68	699.95	577.92	532.98	522.41	389.02	388.31	430.24	511.94	202,250.84	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-10 Menomonee River From Underwood Creek to Little Menomonee River	Total Loading Capacity	398.55	1,109.94	1,362.91	1,415.84	700.23	527.32	383.57	386.92	295.63	246.57	247.45	258.68	222,941.69	
	Reserve Capacity	19.76	54.65	66.76	69.33	34.17	26.10	19.08	19.29	14.73	12.26	12.32	12.85	10,983.52	
	Load Allocation	3.28	16.96	27.76	29.23	16.78	5.37	2.06	1.16	1.10	1.29	0.97	1.64	3,271.29	
	Background	3.28	16.96	27.76	29.23	16.78	5.37	2.06	1.16	1.10	1.29	0.97	1.64	3,271.29	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	375.50	1,038.33	1,268.39	1,317.28	649.27	495.85	362.43	366.46	279.80	233.02	234.16	244.19	208,686.88	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	375.50	1,038.33	1,268.39	1,317.28	649.27	495.85	362.43	366.46	279.80	233.02	234.16	244.19	208,686.88	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-11 Underwood Creek and Dousman Ditch From South Branch Underwood Creek to Headwaters	Total Loading Capacity	222.14	320.68	396.92	399.75	331.06	274.05	272.18	238.31	202.49	153.95	157.98	174.57	95,579.81	
	Reserve Capacity	10.83	15.13	17.57	17.60	14.56	13.11	13.24	11.80	10.02	7.63	7.81	8.60	4,495.86	
	Load Allocation	7.02	20.29	48.57	50.35	41.69	13.08	8.09	2.90	2.55	1.93	2.48	3.36	6,150.78	
	Background	5.58	18.03	45.52	47.73	39.88	11.94	7.35	2.35	2.15	1.43	1.84	2.48	5,662.71	
	Agricultural	1.44	2.27	3.05	2.61	1.81	1.14	0.74	0.55	0.40	0.50	0.65	0.89	488.08	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	204.29	285.25	330.77	331.81	274.81	247.86	250.84	223.61	189.92	144.40	147.69	162.61	84,933.17	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	204.29	285.25	330.77	331.81	274.81	247.86	250.84	223.61	189.92	144.40	147.69	162.61	84,933.17	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-12 Underwood Creek From Menomonee River to South Branch Underwood Creek	Total Loading Capacity	241.41	351.99	433.67	453.66	364.75	313.42	318.16	288.05	239.29	177.27	185.71	204.12	108,573.59	
	Reserve Capacity	12.01	17.45	21.39	22.35	17.96	15.54	15.84	14.37	11.93	8.83	9.26	10.16	5,383.51	
	Load Allocation	3.52	6.63	10.38	10.77	8.28	4.06	1.97	1.18	1.35	1.53	1.75	2.33	1,634.63	
	Background	1.27	2.96	5.86	6.60	5.61	2.60	1.46	0.74	0.61	0.57	0.59	0.83	903.29	
	Agricultural	2.25	3.67	4.52	4.17	2.68	1.46	0.52	0.44	0.75	0.96	1.16	1.50	731.34	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	225.88	327.90	401.90	420.53	338.51	293.82	300.36	272.50	226.01	166.90	174.71	191.62	101,555.44	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	225.88	327.82	401.76	420.03	338.06	293.39	300.15	272.31	225.42	166.00	173.83	191.07	101,406.20	
Individual Permits	-	0.08	0.14	0.50	0.44	0.42	0.20	0.19	0.59	0.90	0.88	0.55	149.24		

Table A.12 (MN) - Daily Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily TSS Load (lbs/day)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MN-13 South Branch Underwood Creek Entire Length	Total Loading Capacity	163.18	236.95	291.42	295.04	236.55	203.55	215.21	195.45	163.75	123.41	127.88	138.11	72,671.21	
	Reserve Capacity	8.10	11.73	14.37	14.52	11.63	10.07	10.70	9.74	8.16	6.14	6.36	6.87	3,599.78	
	Load Allocation	1.96	3.78	6.06	6.46	5.09	2.63	1.41	0.83	0.85	0.91	0.99	1.32	981.18	
	Background	1.09	2.28	4.00	4.57	3.91	2.06	1.15	0.63	0.59	0.60	0.59	0.77	675.53	
	Agricultural	0.87	1.49	2.06	1.89	1.18	0.57	0.26	0.21	0.26	0.31	0.40	0.56	305.65	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	153.11	221.44	271.00	274.05	219.83	190.84	203.10	184.87	154.75	116.36	120.53	129.92	68,090.25	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	153.11	221.44	271.00	274.05	219.83	190.84	203.10	184.87	154.75	116.36	120.53	129.92	68,090.25	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-14 Menomonee River From Honey Creek to Underwood Creek	Total Loading Capacity	99.74	296.92	313.88	345.65	203.57	193.32	36.80	29.06	16.25	103.87	56.51	62.61	53,448.90	
	Reserve Capacity	4.95	14.73	15.42	16.99	9.94	9.59	1.79	1.43	0.79	5.17	2.81	3.11	2,637.05	
	Load Allocation	0.67	2.26	5.47	5.76	4.79	1.46	0.91	0.41	0.39	0.42	0.31	0.44	707.83	
	Background	0.67	2.26	5.47	5.76	4.79	1.46	0.91	0.41	0.39	0.42	0.31	0.44	707.83	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	94.12	279.93	292.99	322.89	188.85	182.26	34.10	27.22	15.07	98.28	53.39	59.06	50,104.02	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	94.12	279.93	292.99	322.89	188.85	182.26	34.10	27.22	15.07	98.28	53.39	59.06	50,104.02	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-15 Honey Creek Entire Length	Total Loading Capacity	301.78	386.44	527.47	538.73	487.27	385.66	439.24	434.26	372.73	290.01	261.78	283.89	143,161.26	
	Reserve Capacity	15.04	19.26	26.20	26.73	24.17	19.20	21.92	21.68	18.61	14.47	13.06	14.16	7,129.04	
	Load Allocation	0.90	1.29	3.39	4.16	3.90	1.65	0.79	0.63	0.54	0.52	0.55	0.79	580.42	
	Background	0.90	1.29	3.39	4.16	3.90	1.65	0.79	0.63	0.54	0.52	0.55	0.79	580.42	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	285.84	365.90	497.88	507.84	459.20	364.81	416.53	411.95	353.58	275.01	248.17	268.95	135,451.80	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	285.84	365.90	497.88	507.84	459.20	364.81	416.53	411.95	353.58	275.01	248.17	268.95	135,451.80	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-16 Menomonee River From Estuary to Honey Creek	Total Loading Capacity	543.18	710.43	846.11	825.39	738.21	689.25	593.62	554.03	445.40	460.41	419.95	441.85	220,941.88	
	Reserve Capacity	26.99	35.08	41.47	40.38	36.16	34.16	29.47	27.59	22.16	22.91	20.92	21.96	10,921.40	
	Load Allocation	3.74	9.13	17.26	18.20	15.43	6.42	4.30	2.33	2.21	2.37	1.72	2.73	2,609.61	
	Background	3.46	8.75	16.77	17.69	15.03	6.13	4.18	2.22	2.11	2.23	1.57	2.55	2,513.89	
	Agricultural	0.28	0.38	0.49	0.51	0.40	0.29	0.12	0.12	0.10	0.14	0.15	0.18	95.72	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	512.46	666.22	787.38	766.80	686.62	648.68	559.85	524.10	421.02	435.13	397.31	417.15	207,410.86	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	408.30	559.51	707.47	727.48	649.79	608.68	537.92	501.01	389.56	383.36	335.79	344.23	187,054.83	
Individual Permits	104.15	106.71	79.92	39.32	36.82	39.99	21.93	23.09	31.46	51.77	61.52	72.92	20,356.04		

Table A.13 (MN) - Monthly Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MN-1 Menomonee River From Nor-X-Way Channel to Headwaters	Total Loading Capacity	18,486.59	24,804.84	30,165.66	28,919.81	20,986.08	16,244.37	14,272.28	15,902.07	12,909.28	12,940.19	12,898.11	15,256.62	223,785.89	
	Reserve Capacity	857.49	1,152.18	1,336.42	1,253.27	882.03	743.24	683.83	773.21	627.59	626.01	613.19	713.36	10,261.81	
	Load Allocation	6,187.53	7,609.78	9,252.17	7,986.04	6,173.96	3,136.22	1,904.59	1,393.63	1,237.17	1,506.27	2,535.49	4,191.08	53,113.92	
	Background	1,307.72	1,709.40	3,323.70	3,635.81	3,166.35	1,198.38	395.02	219.20	208.12	358.45	602.05	966.80	17,090.99	
	Agricultural	4,523.29	5,400.84	5,320.45	3,743.31	2,578.78	1,557.88	1,151.32	752.80	689.18	812.17	1,629.89	2,901.60	31,061.50	
	Non-Permitted Urban	356.52	499.54	608.02	606.92	428.83	379.97	358.25	421.63	339.87	335.65	303.55	322.69	4,961.43	
	Wasteload Allocation	11,441.57	16,042.88	19,577.07	19,680.51	13,930.09	12,364.91	11,683.87	13,735.23	11,044.52	10,807.91	9,749.43	10,352.17	160,410.16	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	28.98	51.91	113.63	111.11	88.26	102.74	182.48	210.70	130.55	47.00	18.69	22.65	1,108.70	
	MS4	11,412.59	15,990.97	19,463.44	19,428.20	13,727.35	12,163.17	11,467.84	13,496.74	10,879.56	10,744.44	9,717.08	10,329.52	158,820.91	
Individual Permits	-	-	-	141.19	114.48	99.00	33.56	27.79	34.41	16.46	13.67	-	-	480.55	
MN-2 Goldendale Creek Entire Length	Total Loading Capacity	1,590.57	2,070.68	2,587.76	2,550.98	1,943.62	1,484.33	1,220.14	1,361.89	1,101.09	1,095.48	1,080.99	1,284.00	19,371.52	
	Reserve Capacity	75.99	98.90	121.78	119.04	89.94	70.83	59.86	67.46	54.48	54.26	52.86	62.07	927.47	
	Load Allocation	640.62	765.83	900.20	775.21	571.25	316.24	177.21	125.21	114.29	140.04	253.09	416.02	5,195.22	
	Background	70.75	92.51	151.87	169.88	144.75	67.41	22.37	11.99	11.12	9.72	23.46	42.31	818.14	
	Agricultural	568.74	671.75	746.30	603.18	424.83	247.40	153.56	111.70	101.96	129.15	228.63	372.66	4,359.85	
	Non-Permitted Urban	1.14	1.57	2.04	2.15	1.67	1.43	1.28	1.52	1.21	1.17	1.01	1.05	17.23	
	Wasteload Allocation	873.96	1,205.95	1,565.77	1,656.72	1,282.44	1,097.25	983.07	1,169.21	932.32	901.18	775.04	805.91	13,248.82	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	0.08	0.14	0.23	0.23	0.17	0.28	0.50	0.66	0.45	0.49	0.32	0.34	3.89	
	MS4	873.88	1,205.80	1,565.54	1,656.49	1,282.27	1,096.98	982.57	1,168.55	931.86	900.69	774.71	805.57	13,244.93	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-3 West Branch Menomonee River Entire Length	Total Loading Capacity	2,495.90	3,435.79	4,368.81	4,376.33	3,262.36	2,612.58	2,441.96	2,781.67	2,232.76	2,025.82	1,860.19	2,125.86	34,020.03	
	Reserve Capacity	118.91	164.10	205.77	204.85	151.24	125.23	120.13	137.84	110.46	99.93	90.65	102.35	1,631.47	
	Load Allocation	431.40	533.81	629.91	548.80	431.20	222.23	131.23	87.45	85.77	87.92	163.00	285.52	3,638.24	
	Background	117.60	153.77	253.39	279.41	237.60	107.91	39.29	24.88	23.47	27.23	47.28	78.76	1,390.60	
	Agricultural	313.80	380.04	376.52	269.39	193.61	114.32	91.94	62.57	62.29	60.68	115.72	206.75	2,247.64	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	1,945.58	2,737.88	3,533.12	3,622.68	2,679.91	2,265.12	2,190.59	2,556.38	2,036.53	1,837.98	1,606.54	1,737.99	28,750.32	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	1,945.58	2,737.88	3,533.12	3,622.68	2,679.91	2,265.12	2,190.59	2,556.38	2,036.53	1,837.98	1,606.54	1,737.99	28,750.32	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-4 Willow Creek Entire Length	Total Loading Capacity	4,782.38	6,353.53	7,926.81	7,704.39	5,723.00	4,282.66	3,558.27	4,035.13	3,252.73	3,307.77	3,241.15	3,890.61	58,058.44	
	Reserve Capacity	220.27	293.02	358.00	341.67	249.20	195.24	170.64	196.95	158.16	158.90	152.32	180.09	2,674.44	
	Load Allocation	1,396.02	1,738.55	2,120.44	1,862.47	1,423.26	763.87	407.22	279.28	251.11	325.99	556.00	922.31	12,046.53	
	Background	376.93	493.13	766.89	870.96	739.06	377.92	145.52	96.19	89.54	129.82	194.84	288.87	4,569.66	
	Agricultural	1,019.09	1,245.43	1,353.55	991.51	684.19	385.96	261.70	183.09	161.56	196.17	361.16	633.44	7,476.86	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	3,166.09	4,321.96	5,448.37	5,500.25	4,050.55	3,323.55	2,980.41	3,558.90	2,843.46	2,822.88	2,532.83	2,788.22	43,337.47	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	3,166.09	4,321.96	5,448.37	5,500.25	4,050.55	3,323.55	2,980.41	3,558.90	2,843.46	2,822.88	2,532.83	2,788.22	43,337.47	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.13 (MN) - Monthly Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Annual Load Allocation (lbs/year)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
MN-5 Nor-X-Way Channel Entire Length	Total Loading Capacity	4,296.42	4,963.24	6,050.48	5,894.88	4,720.07	4,112.93	3,729.35	4,309.90	3,377.84	2,956.43	2,883.89	3,335.84	50,631.28
	Reserve Capacity	208.42	240.27	275.21	266.73	209.69	199.98	183.82	212.65	166.22	144.81	141.19	162.37	2,411.35
	Load Allocation	318.41	409.35	874.29	815.34	686.98	205.20	113.17	95.61	82.44	97.14	124.90	190.18	4,013.02
	Background	128.06	157.94	546.27	560.30	526.35	113.34	52.93	57.00	53.38	60.17	60.17	88.46	2,404.36
	Agricultural	190.35	251.41	328.02	255.04	160.63	91.86	60.24	38.62	29.06	36.97	64.73	101.72	1,608.66
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	3,769.59	4,313.63	4,900.98	4,812.82	3,823.40	3,707.75	3,432.36	4,001.64	3,129.18	2,714.48	2,617.80	2,983.29	44,206.92
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	3,060.63	3,719.00	4,321.02	4,412.83	3,424.22	3,421.89	3,202.40	3,841.39	2,904.19	2,495.84	2,260.62	2,533.25	39,597.27
Individual Permits	708.96	594.63	579.97	399.99	399.17	285.86	229.96	160.26	224.99	218.64	357.18	450.04	4,609.65	
MN-6 Menomonee River and Dretzka Park Creek From Little Menomonee River to Nor-X-Way Channel	Total Loading Capacity	10,418.19	10,857.23	13,066.37	11,256.25	10,589.15	9,651.63	9,952.86	11,552.76	8,397.34	6,296.96	4,925.12	6,808.93	113,772.80
	Reserve Capacity	511.53	523.97	615.82	509.19	484.98	459.17	494.70	574.74	417.33	311.48	243.21	334.58	5,480.69
	Load Allocation	245.93	439.38	830.74	1,118.85	935.95	495.71	95.98	85.14	77.43	78.79	74.63	137.99	4,616.52
	Background	187.49	377.76	750.06	1,072.54	889.56	468.16	58.83	58.05	50.77	67.45	60.94	117.32	4,158.94
	Agricultural	58.43	61.62	80.68	46.31	46.39	27.55	37.15	27.09	26.66	11.34	13.69	20.67	457.59
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	9,660.73	9,893.88	11,619.81	9,628.21	9,168.22	8,696.74	9,362.18	10,892.88	7,902.58	5,906.70	4,607.28	6,336.36	103,675.58
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	9,660.73	9,893.88	11,619.81	9,628.21	9,168.22	8,696.74	9,362.18	10,892.88	7,902.58	5,906.70	4,607.28	6,336.36	103,675.58
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-7 Lilly Creek Entire Length	Total Loading Capacity	4,826.97	5,714.57	7,223.41	7,077.08	5,524.79	4,776.33	4,326.92	5,127.74	3,821.63	3,216.94	3,080.80	3,626.53	58,343.72
	Reserve Capacity	237.46	280.61	348.20	339.92	263.42	234.84	214.74	254.82	189.63	159.26	152.53	178.71	2,854.14
	Load Allocation	77.78	102.35	259.38	278.61	256.43	79.53	32.06	31.34	29.11	31.82	30.15	52.25	1,260.82
	Background	77.78	102.35	259.38	278.61	256.43	79.53	32.06	31.34	29.11	31.82	30.15	52.25	1,260.82
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	4,511.73	5,331.61	6,615.83	6,458.55	5,004.95	4,461.96	4,080.11	4,841.58	3,602.89	3,025.86	2,898.12	3,395.56	54,228.75
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	4,511.73	5,331.61	6,615.83	6,458.55	5,004.95	4,461.96	4,080.11	4,841.58	3,602.89	3,025.86	2,898.12	3,395.56	54,228.75
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-8 Butler Ditch Entire Length	Total Loading Capacity	5,334.54	5,773.58	7,292.82	7,613.09	8,052.30	7,812.51	7,198.40	6,523.14	4,686.96	4,209.64	4,006.65	4,563.39	73,067.02
	Reserve Capacity	264.06	284.03	356.63	371.07	394.39	386.40	358.05	324.65	233.15	209.13	199.25	226.14	3,606.96
	Load Allocation	53.28	93.04	160.20	191.62	164.49	84.56	37.36	30.05	23.90	27.04	21.71	40.64	927.89
	Background	53.28	93.04	160.20	191.62	164.49	84.56	37.36	30.05	23.90	27.04	21.71	40.64	927.89
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	5,017.20	5,396.51	6,775.99	7,050.40	7,493.42	7,341.55	6,802.99	6,168.44	4,429.91	3,973.47	3,785.69	4,296.61	68,532.17
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	5,017.20	5,396.51	6,775.99	7,050.40	7,493.42	7,341.55	6,802.99	6,168.44	4,429.91	3,973.47	3,785.69	4,296.61	68,532.17
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table A.13 (MN) - Monthly Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MN-9 Little Menomonee River Entire Length	Total Loading Capacity	23,030.11	26,114.82	32,056.83	31,366.35	26,634.56	21,504.17	18,865.69	18,087.40	13,149.36	13,509.55	15,934.91	20,061.34	260,315.08	
	Reserve Capacity	1,111.32	1,225.27	1,493.50	1,451.92	1,266.60	1,043.54	934.59	892.45	647.95	661.71	775.22	974.55	12,478.61	
	Load Allocation	5,659.76	7,331.52	8,549.47	6,698.52	4,089.52	2,891.98	1,728.36	1,313.62	675.33	1,043.27	2,080.51	3,523.78	45,585.63	
	Background	803.72	1,609.38	2,186.83	2,327.90	1,302.49	633.32	173.98	238.49	190.43	275.35	430.58	570.37	10,742.82	
	Agricultural	4,856.04	5,722.14	6,362.65	4,370.62	2,787.03	2,258.65	1,554.39	1,075.13	484.90	767.92	1,649.93	2,953.41	34,842.81	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	16,259.03	17,558.03	22,013.85	23,215.91	21,278.43	17,568.65	16,202.74	15,881.33	11,826.08	11,804.57	13,079.19	15,563.02	202,250.84	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	16,259.03	17,558.03	22,013.85	23,215.91	21,278.43	17,568.65	16,202.74	15,881.33	11,826.08	11,804.57	13,079.19	15,563.02	202,250.84	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-10 Menomonee River From Underwood Creek to Little Menomonee River	Total Loading Capacity	12,115.85	33,742.30	41,432.54	43,041.69	21,286.85	16,030.38	11,660.51	11,762.23	8,987.00	7,495.85	7,522.52	7,863.97	222,941.69	
	Reserve Capacity	600.80	1,661.33	2,029.43	2,107.65	1,038.84	793.36	579.89	586.34	447.68	372.83	374.66	390.71	10,983.52	
	Load Allocation	99.78	515.60	843.98	888.74	510.08	163.22	62.67	35.39	33.49	39.25	29.37	49.74	3,271.29	
	Background	99.78	515.60	843.98	888.74	510.08	163.22	62.67	35.39	33.49	39.25	29.37	49.74	3,271.29	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	11,415.27	31,565.36	38,559.14	40,045.30	19,737.94	15,073.81	11,017.95	11,140.50	8,505.84	7,083.77	7,118.49	7,423.52	208,686.88	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	11,415.27	31,565.36	38,559.14	40,045.30	19,737.94	15,073.81	11,017.95	11,140.50	8,505.84	7,083.77	7,118.49	7,423.52	208,686.88	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-11 Underwood Creek and Dousman Ditch From South Branch Underwood Creek to Headwaters	Total Loading Capacity	6,753.18	9,748.56	12,066.22	12,152.46	10,064.27	8,331.08	8,274.14	7,244.51	6,155.59	4,680.16	4,802.60	5,307.05	95,579.81	
	Reserve Capacity	329.18	460.03	534.12	535.07	442.60	398.40	402.53	358.65	304.51	231.84	237.34	261.59	4,495.86	
	Load Allocation	213.54	616.90	1,476.67	1,530.50	1,267.40	397.76	245.98	88.09	77.48	58.68	75.53	102.25	6,150.78	
	Background	169.61	548.01	1,383.84	1,451.10	1,212.34	363.12	223.48	71.42	65.36	43.37	55.80	75.25	5,662.71	
	Agricultural	43.93	68.89	92.83	79.40	55.07	34.64	22.49	16.67	12.12	15.31	19.72	27.00	488.08	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	6,210.46	8,671.63	10,055.43	10,086.89	8,354.27	7,534.93	7,625.63	6,797.76	5,773.59	4,389.63	4,489.73	4,943.21	84,933.17	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MS4	6,210.46	8,671.63	10,055.43	10,086.89	8,354.27	7,534.93	7,625.63	6,797.76	5,773.59	4,389.63	4,489.73	4,943.21	84,933.17	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-		
MN-12 Underwood Creek From Menomonee River to South Branch Underwood Creek	Total Loading Capacity	7,338.82	10,700.43	13,183.62	13,791.14	11,088.29	9,527.84	9,672.21	8,756.77	7,274.53	5,389.02	5,645.71	6,205.20	108,573.59	
	Reserve Capacity	365.00	530.52	650.27	679.53	545.89	472.44	481.40	436.71	362.80	268.58	281.39	308.99	5,383.51	
	Load Allocation	107.12	201.65	315.66	327.39	251.85	123.33	60.02	35.97	41.12	46.54	53.10	70.87	1,634.63	
	Background	38.76	90.00	178.27	200.63	170.51	79.04	44.26	22.61	18.45	17.45	17.97	25.33	903.29	
	Agricultural	68.36	111.65	137.39	126.75	81.34	44.30	15.77	13.36	22.67	29.09	35.13	45.53	731.34	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	6,866.70	9,968.25	12,217.69	12,784.23	10,290.55	8,932.07	9,130.79	8,284.09	6,870.60	5,073.90	5,311.22	5,825.34	101,555.44	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MS4	6,866.70	9,965.88	12,213.39	12,768.97	10,277.03	8,919.18	9,124.66	8,278.24	6,852.72	5,046.40	5,284.51	5,808.53	101,406.20	
Individual Permits	-	2.38	4.30	15.26	13.53	12.89	6.13	5.85	17.89	27.50	26.71	16.81	149.24		

Table A.13 (MN) - Monthly Total Suspended Solids Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly TSS Load (lbs/month)												Annual Load Allocation (lbs/year)	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
MN-13 South Branch Underwood Creek Entire Length	Total Loading Capacity	4,960.76	7,203.38	8,859.27	8,969.07	7,191.25	6,187.78	6,542.35	5,941.68	4,978.08	3,751.55	3,887.43	4,198.61	72,671.21	
	Reserve Capacity	246.38	356.70	436.89	441.51	353.62	306.26	325.37	296.13	248.01	186.67	193.47	208.77	3,599.78	
	Load Allocation	59.69	114.78	184.10	196.40	154.72	79.83	42.87	25.36	25.71	27.53	29.98	40.21	981.18	
	Background	33.12	69.41	121.46	138.94	118.76	62.49	34.90	19.06	17.93	18.22	17.95	23.30	675.53	
	Agricultural	26.57	45.37	62.64	57.46	35.97	17.34	7.97	6.30	7.78	9.31	12.03	16.91	305.65	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Wasteload Allocation	4,654.69	6,731.90	8,238.29	8,331.16	6,682.90	5,801.68	6,174.11	5,620.19	4,704.36	3,537.36	3,663.97	3,949.63	68,090.25	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	4,654.69	6,731.90	8,238.29	8,331.16	6,682.90	5,801.68	6,174.11	5,620.19	4,704.36	3,537.36	3,663.97	3,949.63	68,090.25	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-14 Menomonee River From Honey Creek to Underwood Creek	Total Loading Capacity	3,032.18	9,026.33	9,542.08	10,507.84	6,188.61	5,876.93	1,118.61	883.46	493.95	3,157.68	1,717.90	1,903.34	53,448.90	
	Reserve Capacity	150.58	447.88	468.78	516.63	302.15	291.62	54.55	43.55	24.11	157.25	85.43	94.50	2,637.05	
	Load Allocation	20.49	68.67	166.40	175.20	145.52	44.50	27.55	12.45	11.77	12.70	9.30	13.27	707.83	
	Background	20.49	68.67	166.40	175.20	145.52	44.50	27.55	12.45	11.77	12.70	9.30	13.27	707.83	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	2,861.10	8,509.78	8,906.90	9,816.00	5,740.93	5,540.80	1,036.50	827.46	458.07	2,987.73	1,623.17	1,795.57	50,104.02	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MS4	2,861.10	8,509.78	8,906.90	9,816.00	5,740.93	5,540.80	1,036.50	827.46	458.07	2,987.73	1,623.17	1,795.57	50,104.02	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MN-15 Honey Creek Entire Length	Total Loading Capacity	9,174.17	11,747.87	16,035.02	16,377.27	14,813.08	11,724.09	13,352.82	13,201.45	11,330.97	8,816.16	7,958.02	8,630.34	143,161.26	
	Reserve Capacity	457.34	585.44	796.60	812.54	734.72	583.69	666.44	659.12	565.73	440.02	397.07	430.32	7,129.04	
	Load Allocation	27.32	39.12	102.95	126.41	118.63	50.23	23.99	19.14	16.30	15.76	16.59	23.99	580.42	
	Background	27.32	39.12	102.95	126.41	118.63	50.23	23.99	19.14	16.30	15.76	16.59	23.99	580.42	
	Agricultural	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	8,689.51	11,123.32	15,135.46	15,438.31	13,959.73	11,090.17	12,662.39	12,523.19	10,748.93	8,360.38	7,544.37	8,176.04	135,451.80	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MS4	8,689.51	11,123.32	15,135.46	15,438.31	13,959.73	11,090.17	12,662.39	12,523.19	10,748.93	8,360.38	7,544.37	8,176.04	135,451.80	
Individual Permits	-	-	-	-	-	-	-	-	-	-	-	-	-		
MN-16 Menomonee River From Estuary to Honey Creek	Total Loading Capacity	16,512.81	21,597.12	25,721.88	25,091.79	22,441.43	20,953.26	18,046.15	16,842.40	13,540.07	13,996.54	12,766.33	13,432.09	220,941.88	
	Reserve Capacity	820.37	1,066.56	1,260.60	1,227.70	1,099.22	1,038.34	895.96	838.75	673.80	696.43	635.93	667.73	10,921.40	
	Load Allocation	113.79	277.43	524.78	553.37	469.05	195.15	130.65	70.94	67.20	72.02	52.18	83.06	2,609.61	
	Background	105.33	265.86	509.89	537.79	457.00	186.41	126.93	67.35	64.07	67.91	47.75	77.59	2,513.89	
	Agricultural	8.46	11.58	14.89	15.58	12.05	8.74	3.72	3.59	3.12	4.11	4.42	5.47	95.72	
	Non-Permitted Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Wasteload Allocation	15,578.64	20,253.13	23,936.50	23,310.73	20,873.17	19,719.77	17,019.54	15,932.70	12,799.07	13,228.09	12,078.23	12,681.31	207,410.86	
	General Permits - NCCW	-	-	-	-	-	-	-	-	-	-	-	-	-	
	General Permits - Other	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MS4	12,412.36	17,009.17	21,507.07	22,115.27	19,753.76	18,503.96	16,352.78	15,230.85	11,842.67	11,654.23	10,208.14	10,464.57	187,054.83	
Individual Permits	3,166.28	3,243.96	2,429.42	1,195.46	1,119.41	1,215.81	666.75	701.85	956.40	1,573.86	1,870.09	2,216.74	20,356.04		

Table A.14 (MN) - Daily Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily Fecal Coliform Load (billion cells/day)				
		Low	Dry	Mid	Moist	Wet
MN-1 Menomonee River From Nor-X-Way Channel to Headwaters	Total Loading Capacity	16.53	56.81	110.26	169.61	500.51
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.70	2.55	5.23	8.46	30.77
	Background	0.03	0.23	0.73	1.57	10.68
	Agricultural	0.16	0.54	1.04	1.59	4.64
	Non-Permitted Urban	0.52	1.78	3.45	5.30	15.45
	Wasteload Allocation	15.83	54.26	105.04	161.14	469.74
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	15.83	54.26	105.04	161.14	469.74
	Individual Permits	-	-	-	-	-
MN-2 Goldendale Creek Entire Length	Total Loading Capacity	1.07	4.87	9.23	14.85	42.41
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.02	0.09	0.18	0.32	1.20
	Background	1.17E-03	0.02	0.04	0.10	0.58
	Agricultural	0.01	0.07	0.12	0.20	0.57
	Non-Permitted Urban	1.44E-03	6.54E-03	0.01	0.02	0.06
	Wasteload Allocation	1.05	4.78	9.05	14.53	41.21
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	1.05	4.78	9.05	14.53	41.21
	Individual Permits	-	-	-	-	-
MN-3 West Branch Menomonee River Entire Length	Total Loading Capacity	3.83	10.03	18.07	26.51	62.99
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.02	0.06	0.13	0.24	1.08
	Background	3.19E-03	0.02	0.07	0.15	0.87
	Agricultural	0.01	0.03	0.06	0.09	0.21
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	3.81	9.97	17.93	26.27	61.91
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	3.81	9.97	17.93	26.27	61.91
	Individual Permits	-	-	-	-	-
MN-4 Willow Creek Entire Length	Total Loading Capacity	3.23	14.61	27.94	44.29	126.42
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.03	0.21	0.47	0.87	3.71
	Background	8.77E-03	0.09	0.26	0.53	2.75
	Agricultural	0.03	0.11	0.22	0.34	0.96
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	3.20	14.40	27.47	43.42	122.71
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	3.20	14.40	27.47	43.42	122.71
	Individual Permits	-	-	-	-	-

Table A.14 (MN) - Daily Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily Fecal Coliform Load (billion cells/day)				
		Low	Dry	Mid	Moist	Wet
MN-5 Nor-X-Way Channel Entire Length	Total Loading Capacity	5.84	16.33	27.94	43.25	105.23
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.03	0.12	0.27	0.51	2.06
	Background	0.01	0.06	0.17	0.36	1.68
	Agricultural	0.02	0.06	0.10	0.16	0.38
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	5.81	16.20	27.67	42.74	103.17
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	5.81	16.20	27.67	42.74	103.17
Individual Permits	-	-	-	-	-	
MN-6 Menomonee River and Dretzka Park Creek From Little Menomonee River to Nor-X-Way Channel	Total Loading Capacity	9.75	39.20	71.47	116.39	276.41
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.02	0.13	0.29	0.57	1.90
	Background	0.01	0.10	0.24	0.48	1.70
	Agricultural	7.37E-03	0.03	0.05	0.09	0.21
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	9.73	39.07	71.18	115.82	274.50
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	9.73	39.07	71.18	115.82	274.50
Individual Permits	-	-	-	-	-	
MN-7 Lilly Creek Entire Length	Total Loading Capacity	4.41	18.65	33.89	53.45	130.81
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.01	0.09	0.21	0.39	1.37
	Background	0.01	0.09	0.21	0.39	1.37
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	4.40	18.56	33.68	53.06	129.43
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	4.40	18.56	33.68	53.06	129.43
Individual Permits	-	-	-	-	-	
MN-8 Butler Ditch Entire Length	Total Loading Capacity	11.75	26.58	44.00	59.27	105.67
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.01	0.08	0.24	0.48	1.81
	Background	0.01	0.08	0.24	0.48	1.81
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	11.74	26.51	43.76	58.80	103.86
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	11.74	26.51	43.76	58.80	103.86
Individual Permits	-	-	-	-	-	

Table A.14 (MN) - Daily Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily Fecal Coliform Load (billion cells/day)				
		Low	Dry	Mid	Moist	Wet
MN-9 Little Menomonee River Entire Length	Total Loading Capacity	24.77	74.75	132.66	211.20	409.31
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.12	0.49	1.06	2.04	5.36
	Background	0.04	0.24	0.61	1.33	3.99
	Agricultural	0.08	0.25	0.44	0.71	1.36
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	24.65	74.26	131.61	209.16	403.95
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	24.65	74.26	131.61	209.16	403.95
Individual Permits	-	-	-	-	-	
MN-10 Menomonee River From Underwood Creek to Little Menomonee River	Total Loading Capacity	27.63	48.21	79.90	116.77	240.16
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.02	0.08	0.22	0.49	2.22
	Background	0.02	0.08	0.22	0.49	2.22
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	27.60	48.13	79.68	116.27	237.94
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	27.60	48.13	79.68	116.27	237.94
Individual Permits	-	-	-	-	-	
MN-11 Underwood Creek and Dousman Ditch From South Branch Underwood Creek to Headwaters	Total Loading Capacity	15.21	30.35	47.70	75.48	172.58
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.06	0.24	0.61	1.62	9.43
	Background	0.05	0.23	0.60	1.59	9.38
	Agricultural	5.04E-03	0.01	0.02	0.02	0.05
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	15.15	30.12	47.09	73.86	163.15
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	15.15	30.12	47.09	73.86	163.15
Individual Permits	-	-	-	-	-	
MN-12 Underwood Creek From Menomonee River to South Branch Underwood Creek	Total Loading Capacity	16.99	35.66	53.46	82.35	170.35
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.03	0.09	0.17	0.35	1.28
	Background	0.02	0.06	0.13	0.30	1.17
	Agricultural	0.01	0.02	0.03	0.05	0.11
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	16.96	35.58	53.29	81.99	169.08
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	16.96	35.58	53.29	81.99	169.08
Individual Permits	-	-	-	-	-	

Table A.14 (MN) - Daily Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Daily Fecal Coliform Load (billion cells/day)				
		Low	Dry	Mid	Moist	Wet
MN-13 South Branch Underwood Creek Entire Length	Total Loading Capacity	11.93	23.91	36.80	57.28	119.56
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.03	0.07	0.15	0.30	1.01
	Background	0.02	0.06	0.12	0.26	0.92
	Agricultural	9.18E-03	0.02	0.03	0.04	0.09
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	11.90	23.83	36.65	56.98	118.55
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	11.90	23.83	36.65	56.98	118.55
Individual Permits	-	-	-	-	-	
MN-14 Menomonee River From Honey Creek to Underwood Creek	Total Loading Capacity	6.36	10.93	15.08	23.21	51.36
	Reserve Capacity	-	-	-	-	-
	Load Allocation	9.71E-03	0.03	0.06	0.15	0.85
	Background	9.71E-03	0.03	0.06	0.15	0.85
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	6.35	10.90	15.01	23.05	50.51
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	6.35	10.90	15.01	23.05	50.51
Individual Permits	-	-	-	-	-	
MN-15 Honey Creek Entire Length	Total Loading Capacity	23.81	54.87	73.63	120.58	203.35
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.01	0.05	0.09	0.23	0.58
	Background	0.01	0.05	0.09	0.23	0.58
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	23.79	54.81	73.53	120.36	202.77
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	23.79	54.81	73.53	120.36	202.77
Individual Permits	-	-	-	-	-	
MN-16 Menomonee River From Estuary to Honey Creek	Total Loading Capacity	48.96	76.39	106.13	151.05	298.67
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.06	0.16	0.31	0.66	2.76
	Background	0.06	0.15	0.31	0.65	2.74
	Agricultural	2.62E-03	4.08E-03	5.66E-03	8.04E-03	0.02
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	48.90	76.23	105.81	150.39	295.91
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	48.90	76.23	105.81	150.39	295.91
Individual Permits	-	-	-	-	-	

Table A.15 (MN) - Monthly Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)				
		Low	Dry	Mid	Moist	Wet
MN-1 Menomonee River From Nor-X-Way Channel to Headwaters	Total Loading Capacity	502.54	1,726.93	3,351.99	5,156.10	15,215.65
	Reserve Capacity	-	-	-	-	-
	Load Allocation	21.35	77.44	158.87	257.31	935.40
	Background	0.78	6.89	22.31	47.81	324.68
	Agricultural	4.76	16.30	31.56	48.42	141.14
	Non-Permitted Urban	15.82	54.24	105.00	161.09	469.58
	Wasteload Allocation	481.19	1,649.49	3,193.12	4,898.79	14,280.25
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	481.19	1,649.49	3,193.12	4,898.79	14,280.25
Individual Permits	-	-	-	-	-	
MN-2 Goldendale Creek Entire Length	Total Loading Capacity	32.48	147.95	280.63	451.43	1,289.23
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.52	2.66	5.51	9.68	36.50
	Background	0.04	0.46	1.35	3.00	17.55
	Agricultural	0.44	2.00	3.78	6.07	17.23
	Non-Permitted Urban	0.04	0.20	0.38	0.60	1.71
	Wasteload Allocation	31.96	145.29	275.12	441.76	1,252.73
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	31.96	145.29	275.12	441.76	1,252.73
Individual Permits	-	-	-	-	-	
MN-3 West Branch Menomonee River Entire Length	Total Loading Capacity	116.42	304.90	549.21	805.96	1,914.83
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.49	1.69	4.00	7.36	32.75
	Background	0.10	0.67	2.17	4.67	26.42
	Agricultural	0.39	1.02	1.83	2.69	6.33
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	115.94	303.21	545.21	798.61	1,882.08
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	115.94	303.21	545.21	798.61	1,882.08
Individual Permits	-	-	-	-	-	
MN-4 Willow Creek Entire Length	Total Loading Capacity	98.26	444.18	849.47	1,346.49	3,843.16
	Reserve Capacity	-	-	-	-	-
	Load Allocation	1.03	6.27	14.39	26.48	112.71
	Background	0.27	2.84	7.84	16.13	83.45
	Agricultural	0.76	3.43	6.55	10.35	29.26
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	97.23	437.91	835.08	1,320.01	3,730.45
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	97.23	437.91	835.08	1,320.01	3,730.45
Individual Permits	-	-	-	-	-	

Table A.15 (MN) - Monthly Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)				
		Low	Dry	Mid	Moist	Wet
MN-5 Nor-X-Way Channel Entire Length	Total Loading Capacity	177.58	496.37	849.42	1,314.93	3,198.86
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.98	3.78	8.13	15.58	62.54
	Background	0.33	1.97	5.03	10.79	50.98
	Agricultural	0.65	1.81	3.10	4.79	11.56
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	176.60	492.58	841.28	1,299.35	3,136.32
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	176.60	492.58	841.28	1,299.35	3,136.32
Individual Permits	-	-	-	-	-	
MN-6 Menomonee River and Dretzka Park Creek From Little Menomonee River to Nor-X-Way Channel	Total Loading Capacity	296.40	1,191.65	2,172.61	3,538.28	8,402.79
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.62	3.91	8.85	17.32	57.90
	Background	0.40	3.01	7.21	14.65	51.57
	Agricultural	0.22	0.90	1.64	2.67	6.32
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	295.78	1,187.74	2,163.76	3,520.96	8,344.90
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	295.78	1,187.74	2,163.76	3,520.96	8,344.90
Individual Permits	-	-	-	-	-	
MN-7 Lilly Creek Entire Length	Total Loading Capacity	133.97	567.06	1,030.15	1,624.96	3,976.55
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.36	2.71	6.27	11.89	41.78
	Background	0.36	2.71	6.27	11.89	41.78
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	133.61	564.34	1,023.88	1,613.07	3,934.77
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	133.61	564.34	1,023.88	1,613.07	3,934.77
Individual Permits	-	-	-	-	-	
MN-8 Butler Ditch Entire Length	Total Loading Capacity	357.33	808.17	1,337.70	1,801.93	3,212.40
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.35	2.30	7.33	14.54	54.92
	Background	0.35	2.30	7.33	14.54	54.92
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	356.98	805.86	1,330.37	1,787.39	3,157.48
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	356.98	805.86	1,330.37	1,787.39	3,157.48
Individual Permits	-	-	-	-	-	

Table A.15 (MN) - Monthly Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)				
		Low	Dry	Mid	Moist	Wet
MN-9 Little Menomonee River Entire Length	Total Loading Capacity	752.90	2,272.35	4,032.99	6,420.43	12,442.98
	Reserve Capacity	-	-	-	-	-
	Load Allocation	3.68	14.81	32.16	61.88	162.89
	Background	1.14	7.18	18.65	40.40	121.41
	Agricultural	2.53	7.63	13.52	21.48	41.48
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	749.22	2,257.54	4,000.82	6,358.54	12,280.09
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	749.22	2,257.54	4,000.82	6,358.54	12,280.09
Individual Permits	-	-	-	-	-	
MN-10 Menomonee River From Underwood Creek to Little Menomonee River	Total Loading Capacity	839.87	1,465.64	2,429.00	3,549.72	7,300.98
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.73	2.35	6.77	14.97	67.62
	Background	0.73	2.35	6.77	14.97	67.62
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	839.13	1,463.29	2,422.23	3,534.75	7,233.37
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	839.13	1,463.29	2,422.23	3,534.75	7,233.37
Individual Permits	-	-	-	-	-	
MN-11 Underwood Creek and Dousman Ditch From South Branch Underwood Creek to Headwaters	Total Loading Capacity	462.42	922.72	1,450.08	2,294.62	5,246.33
	Reserve Capacity	-	-	-	-	-
	Load Allocation	1.71	7.17	18.57	49.15	286.70
	Background	1.56	6.86	18.09	48.40	285.05
	Agricultural	0.15	0.30	0.48	0.75	1.65
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	460.71	915.56	1,431.52	2,245.48	4,959.63
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	460.71	915.56	1,431.52	2,245.48	4,959.63
Individual Permits	-	-	-	-	-	
MN-12 Underwood Creek From Menomonee River to South Branch Underwood Creek	Total Loading Capacity	516.51	1,084.18	1,625.27	2,503.31	5,178.77
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.82	2.62	5.13	10.75	38.78
	Background	0.48	1.91	4.08	9.13	35.43
	Agricultural	0.34	0.70	1.06	1.62	3.35
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	515.70	1,081.56	1,620.14	2,492.56	5,139.99
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	515.70	1,081.56	1,620.14	2,492.56	5,139.99
Individual Permits	-	-	-	-	-	

Table A.15 (MN) - Monthly Fecal Coliform Allocations - FINAL

Reach Waterbody Name and Extents	Allocation Component	Monthly Fecal Coliform Load (billion cells/month)				
		Low	Dry	Mid	Moist	Wet
MN-13 South Branch Underwood Creek Entire Length	Total Loading Capacity	362.53	726.85	1,118.66	1,741.30	3,634.58
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.79	2.27	4.48	9.13	30.72
	Background	0.51	1.71	3.62	7.80	27.94
	Agricultural	0.28	0.56	0.86	1.34	2.78
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	361.74	724.57	1,114.18	1,732.16	3,603.85
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	361.74	724.57	1,114.18	1,732.16	3,603.85
Individual Permits	-	-	-	-	-	
MN-14 Menomonee River From Honey Creek to Underwood Creek	Total Loading Capacity	193.44	332.29	458.32	705.58	1,561.45
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.30	0.94	1.87	4.71	25.79
	Background	0.30	0.94	1.87	4.71	25.79
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	193.14	331.35	456.45	700.87	1,535.66
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	193.14	331.35	456.45	700.87	1,535.66
Individual Permits	-	-	-	-	-	
MN-15 Honey Creek Entire Length	Total Loading Capacity	723.69	1,667.95	2,238.27	3,665.73	6,181.83
	Reserve Capacity	-	-	-	-	-
	Load Allocation	0.36	1.65	2.81	6.87	17.70
	Background	0.36	1.65	2.81	6.87	17.70
	Agricultural	-	-	-	-	-
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	723.32	1,666.30	2,235.46	3,658.87	6,164.13
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	723.32	1,666.30	2,235.46	3,658.87	6,164.13
Individual Permits	-	-	-	-	-	
MN-16 Menomonee River From Estuary to Honey Creek	Total Loading Capacity	1,488.43	2,322.35	3,226.31	4,591.92	9,079.46
	Reserve Capacity	-	-	-	-	-
	Load Allocation	1.91	4.80	9.54	20.00	83.89
	Background	1.83	4.68	9.37	19.75	83.40
	Agricultural	0.08	0.12	0.17	0.24	0.48
	Non-Permitted Urban	-	-	-	-	-
	Wasteload Allocation	1,486.53	2,317.54	3,216.77	4,571.92	8,995.57
	General Permits - NCCW	-	-	-	-	-
	General Permits - Other	-	-	-	-	-
	MS4	1,486.53	2,317.54	3,216.77	4,571.92	8,995.57
Individual Permits	-	-	-	-	-	

Table A.16 (MN) - Daily Total Phosphorus Wasteload Allocation by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

For implementation purposes, the individual allocations for NCCW facilities covered under the general permit will be lumped by watershed and tracked through effluent monitoring. Actual permit limits may differ by facility when compared to corresponding individual mass allocations listed for each facility provided the watershed allocation is still met.

Facility Name	Permit Number	Outfall Number	Permit Type	Reach	Daily TP Wasteload Allocation (lbs/day)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
A O Smith Corporation	0044938	001	NCCW	MN-06	0.19	0.19	0.20	0.08	0.11	0.09	0.18	0.17	0.17	0.07	0.06	0.05	19.69
Advanced Metal Treating Inc*	0044938	001	NCCW	MN-10	0.09	0.19	0.18	0.14	0.09	0.07	0.05	0.06	0.06	0.05	0.06	0.05	13.78
American Concrete Pipe Co Milwaukee*	0044938	001	NCCW	MN-06	0.01	0.01	0.01	5.67E-03	8.08E-03	6.93E-03	0.01	0.01	0.01	4.79E-03	4.27E-03	3.84E-03	1.45
Avoca Bioprocessing Corp	0044938	003	NCCW	MN-05	0.05	0.06	0.05	0.05	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.04	6.76
	0044938	004	NCCW	MN-05	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	2.19
Avoca Bioprocessing Corp*	0044938	001	NCCW	MN-05	5.64E-03	6.11E-03	5.21E-03	5.00E-03	4.19E-03	4.65E-03	4.15E-03	4.94E-03	4.57E-03	3.87E-03	4.02E-03	4.30E-03	0.72
Badger Alloys Inc	0044938	001	NCCW	MN-16	0.10	0.11	0.10	0.09	0.10	0.11	0.09	0.10	0.09	0.09	0.08	0.09	14.71
Blue Mound Golf & Country Club	0044938	001	NCCW	MN-10	0.02	0.04	0.03	0.03	0.02	0.01	9.62E-03	0.01	0.01	9.71E-03	0.01	9.94E-03	2.60
Brenntag Great Lakes LLC - Milsolv Facility	0044938	001	NCCW	MN-07	0.07	0.09	0.09	0.04	0.04	0.04	0.06	0.06	0.06	0.03	0.03	0.02	8.01
Briggs Stratton Corp Wauwatosa	0026514	002	Individual	MN-10	1.71	3.60	3.35	2.70	1.71	1.40	0.97	1.09	1.19	0.98	1.09	1.00	262.47
	0026514	003	Individual	MN-10	0.16	0.33	0.31	0.25	0.16	0.13	0.09	0.10	0.11	0.09	0.10	0.09	24.06
Cambridge Major Laboratories Inc	0044938	001	NCCW	MN-05	7.14E-04	7.74E-04	6.60E-04	6.34E-04	5.31E-04	5.89E-04	5.25E-04	6.26E-04	5.79E-04	4.90E-04	5.09E-04	5.44E-04	0.09
Cambridge Major Laboratories Inc - Grant Drive	0044938	001	NCCW	MN-05	0.60	0.66	0.56	0.54	0.45	0.50	0.44	0.53	0.49	0.42	0.43	0.46	77.23
Canadian Pacific Railway	0064351	001	Individual	MN-16	1.99E-03	1.80E-03	1.99E-03	1.99E-03	1.99E-03	1.99E-03	1.99E-03	1.99E-03	1.99E-03	1.99E-03	1.99E-03	1.99E-03	0.30
Charter Wire Division	0044938	001	NCCW	MN-16	8.56E-04	8.84E-04	8.20E-04	7.76E-04	8.33E-04	8.68E-04	7.75E-04	8.17E-04	7.43E-04	7.19E-04	6.88E-04	7.21E-04	0.12
Chr Hansen Inc	0044938	001	NCCW	MN-15	0.03	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.03	5.32
	0044938	002	NCCW	MN-15	0.11	0.13	0.12	0.13	0.14	0.13	0.09	0.10	0.12	0.10	0.09	0.09	17.22
D. R. Diedrich & Co LTD	0044938	004	NCCW	MN-16	0.14	0.15	0.14	0.13	0.14	0.15	0.13	0.14	0.13	0.12	0.12	0.12	20.43
	0044938	006	NCCW	MN-16	0.24	0.25	0.23	0.22	0.23	0.24	0.22	0.23	0.21	0.20	0.19	0.20	33.83
Dana Sealing Products LLC*	0044938	001	NCCW	MN-09	0.14	0.13	0.11	0.09	0.10	0.11	0.10	0.10	0.08	0.07	0.09	0.11	15.69
Derco Repair Service	0044938	001	NCCW	MN-09	5.79E-03	5.26E-03	4.40E-03	3.94E-03	4.22E-03	4.76E-03	4.04E-03	4.17E-03	3.21E-03	3.08E-03	3.85E-03	4.55E-03	0.65
Froedtert Memorial Lutheran Hospital	0044938	001	NCCW	MN-15	0.15	0.18	0.16	0.18	0.19	0.17	0.13	0.13	0.17	0.13	0.13	0.12	23.43
Gallos Metal Solutions Inc	0044938	001	NCCW	MN-09	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	3.18
GE Healthcare	0044938	001	NCCW	MN-09	0.01	0.01	0.01	9.82E-03	0.01	0.01	0.01	0.01	8.00E-03	7.68E-03	9.60E-03	0.01	1.62
GEHL Guernsey Farms Inc*	0044938	001	NCCW	MN-01	1.74	1.89	0.89	0.79	0.62	0.77	0.73	0.76	0.82	0.70	0.97	1.38	152.78
Gkn Sinter Metals	0044938	001	NCCW	MN-01	0.03	0.03	0.01	0.01	9.36E-03	0.01	0.01	0.01	0.01	0.01	0.01	0.02	2.29
	0044938	001a	NCCW	MN-05	0.07	0.08	0.07	0.06	0.05	0.06	0.05	0.06	0.06	0.05	0.05	0.05	9.07
	0044938	001b	NCCW	MN-05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	4.53
Grede LLC - Liberty Foundry	0044938	001	NCCW	MN-16	0.58	0.60	0.55	0.52	0.56	0.59	0.52	0.55	0.50	0.49	0.47	0.49	81.73
	0044938	002	NCCW	MN-16	0.09	0.09	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.07	0.07	0.07	12.37
Hampel Corp	0044938	001	NCCW	MN-03	0.17	0.18	0.10	0.08	0.07	0.06	0.07	0.07	0.08	0.05	0.08	0.13	14.27
Harley Davidson Motor Company Operations	0044938	001	NCCW	MN-05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	2.79
Harley Davidson Motor Company PDC	0044938	001	NCCW	MN-10	0.04	0.08	0.08	0.06	0.04	0.03	0.02	0.02	0.03	0.02	0.02	0.02	5.91
	0044938	002	NCCW	MN-10	0.12	0.25	0.23	0.19	0.12	0.10	0.07	0.08	0.08	0.07	0.08	0.07	18.24
Hellermann Tyton	0044938	001	NCCW	MN-09	1.25	1.14	0.95	0.85	0.91	1.03	0.88	0.90	0.70	0.67	0.83	0.98	141.10
Helwig Carbon Products Inc	0044938	001	NCCW	MN-09	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02	2.76
Hentzen Coatings Inc Milwaukee	0044938	002	NCCW	MN-09	0.11	0.10	0.08	0.07	0.08	0.09	0.08	0.08	0.06	0.06	0.07	0.09	12.30
	0044938	003	NCCW	MN-09	0.11	0.10	0.08	0.07	0.08	0.09	0.08	0.08	0.06	0.06	0.07	0.08	12.15
Joy Global Surface Mining Inc.	0025321	001	Individual	MN-16	1.74	1.80	1.67	1.58	1.70	1.77	1.58	1.66	1.51	1.46	1.40	1.47	245.98
Krete Industries Inc	0044938	001	NCCW	MN-10	0.03	0.05	0.05	0.04	0.03	0.02	0.01	0.02	0.02	0.01	0.02	0.02	4.00
Masterson Co	0044938	001	NCCW	MN-16	0.33	0.34	0.31	0.30	0.32	0.33	0.30	0.31	0.28	0.27	0.26	0.27	46.06
	0044938	002	NCCW	MN-16	0.34	0.35	0.33	0.31	0.33	0.35	0.31	0.33	0.30	0.29	0.27	0.29	48.24
Mayfair Mall†	0062260	001	Individual	MN-12	#	#	0.04	0.14	0.12	0.12	0.07	0.07	0.13	0.12	0.11	#	11.80

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Facility Name	Permit Number	Outfall Number	Permit Type	Reach	Daily TP Wasteload Allocation (lbs/day)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Midwestern Anodizing Corporation	0044938	001	NCCW	MN-09	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	3.45
Millercoors LLC	0000744	001	Individual	MN-16	0.70	0.72	0.67	0.63	0.68	0.71	0.63	0.67	0.61	0.59	0.56	0.59	98.39
	0000744	004	Individual	MN-16	3.13	3.23	3.00	2.84	3.05	3.17	2.83	2.99	2.72	2.63	2.52	2.64	441.90
Milwaukee County Power Plant	0044938	001	NCCW	MN-14	1.78	4.24	3.53	3.80	2.64	2.78	0.55	0.49	0.31	1.82	1.04	1.16	304.26
Milwaukee Logistic Center	0044938	001	NCCW	MN-05	5.22E-04	5.66E-04	4.83E-04	4.63E-04	3.88E-04	4.31E-04	3.84E-04	4.58E-04	4.24E-04	3.59E-04	3.73E-04	3.98E-04	0.07
Motor Castings Co Plt 1 West Allis	0044938	004	NCCW	MN-16	9.06E-03	9.36E-03	8.68E-03	8.21E-03	8.82E-03	9.18E-03	8.20E-03	8.65E-03	7.87E-03	7.61E-03	7.28E-03	7.63E-03	1.28
	0044938	005	NCCW	MN-16	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	6.03
	0044938	007	NCCW	MN-16	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	2.43
Neubauer Fabrications Inc	0044938	001	NCCW	MN-01	#	#	#	#	#	#	#	#	#	#	#	#	#
Perlick Corp	0044938	001	NCCW	MN-09	0.07	0.06	0.05	0.05	0.05	0.06	0.05	0.05	0.04	0.04	0.05	0.06	7.89
Pettit National Ice Center	0044938	001	NCCW	MN-15	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.02	3.71
Phoenix Metal Treating	0044938	001	NCCW	MN-01	9.51E-03	0.01	4.87E-03	4.32E-03	3.41E-03	4.21E-03	3.98E-03	4.17E-03	4.45E-03	3.83E-03	5.29E-03	7.54E-03	0.83
Rexnord Industries Inc	0044938	001	NCCW	MN-16	0.82	0.84	0.78	0.74	0.79	0.83	0.74	0.78	0.71	0.69	0.66	0.69	115.17
Rexnord Industries Inc	0044938	004	NCCW	MN-16	7.88E-03	8.14E-03	7.55E-03	7.14E-03	7.67E-03	7.99E-03	7.13E-03	7.52E-03	6.84E-03	6.62E-03	6.33E-03	6.64E-03	1.11
	0044938	009	NCCW	MN-16	0.28	0.29	0.27	0.26	0.27	0.29	0.26	0.27	0.24	0.24	0.23	0.24	39.78
Rexnord Industries LLC -Falk	0044938	005	NCCW	MN-16	0.18	0.18	0.17	0.16	0.17	0.18	0.16	0.17	0.15	0.15	0.14	0.15	24.86
Sun Chemical Kohl & Madden	0044938	004	NCCW	MN-05	3.88E-03	4.21E-03	3.59E-03	3.45E-03	2.89E-03	3.20E-03	2.86E-03	3.40E-03	3.15E-03	2.67E-03	2.77E-03	2.96E-03	0.50
Super Steel LLC	0044938	001	NCCW	MN-09	8.62E-03	7.83E-03	6.56E-03	5.87E-03	6.28E-03	7.09E-03	6.02E-03	6.22E-03	4.79E-03	4.59E-03	5.74E-03	6.78E-03	0.97
	0044938	002	NCCW	MN-09	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	8.95E-03	8.59E-03	0.01	0.01	1.82
Thiele Tanning Co	0044938	001	NCCW	MN-16	5.69E-03	5.88E-03	5.45E-03	5.15E-03	5.54E-03	5.77E-03	5.15E-03	5.43E-03	4.94E-03	4.78E-03	4.57E-03	4.79E-03	0.80
Toshiba International Corp	0044938	001	NCCW	MN-16	0.04	0.05	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	6.35
	0044938	002	NCCW	MN-16	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	9.96E-03	9.53E-03	9.98E-03	1.67
US Food Service	0044938	001	NCCW	MN-05	0.10	0.11	0.09	0.09	0.07	0.08	0.07	0.08	0.08	0.07	0.07	0.07	12.38
Waste Management of Omega Hills Landfill	0049514	001	Individual	MN-05	0.12	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	18.26
We Energies Germantown†	0042757	001	Individual	MN-01	0	0	0	0	7.47E-03	9.27E-03	8.75E-03	9.16E-03	9.79E-03	7.47E-03	0	0	0.67
We Energies Germantown†	0042757	002	Individual	MN-01	0	0	0	0	0.01	0.02	0.01	0.02	0.02	0.01	0	0	1.08
We Energies Germantown‡	0042757	003	Individual	MN-01	0	0	0	0	0	0	0	0	0	0	0	0	0
We Energies Milwaukee Heating Plant	0044938	003	NCCW	MN-16	0.11	0.12	0.11	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.09	15.74
West Allis Memorial Hospital	0044938	001	NCCW	MN-15	0.09	0.10	0.09	0.10	0.11	0.10	0.07	0.08	0.10	0.08	0.07	0.07	13.59
Xymox Technologies Inc	0044938	001	NCCW	MN-09	8.48E-03	7.70E-03	6.45E-03	5.78E-03	6.18E-03	6.97E-03	5.92E-03	6.11E-03	4.71E-03	4.52E-03	5.65E-03	6.66E-03	0.96

Background P is present in the effluent from the source water. The point source is not contributing P beyond that which is present in the intake, therefore no P reductions are necessary to meet TMDL targets.

† Seasonal discharge; WLA=0 in non-discharge months.

‡ Portable demineralizer tanks. No discharge.

Table A.17 (MN) - Monthly Total Phosphorus Wasteload Allocation by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

For implementation purposes, the individual allocations for NCCW facilities covered under the general permit will be lumped by watershed and tracked through effluent monitoring. Actual permit limits may differ by facility when compared to corresponding individual mass allocations listed for each facility provided the watershed allocation is still met.

Facility Name	Permit Number	Outfall Number	Permit Type	Reach	Monthly TP Wasteload Allocation (lbs/month)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
A O Smith Corporation	0044938	001	NCCW	MN-06	2.41	2.20	2.61	0.97	1.42	1.18	2.29	2.21	2.15	0.84	0.73	0.68	19.69
Advanced Metal Treating Inc*	0044938	001	NCCW	MN-10	1.16	2.21	2.28	1.78	1.16	0.92	0.66	0.74	0.79	0.67	0.72	0.68	13.78
American Concrete Pipe Co Milwaukee*	0044938	001	NCCW	MN-06	0.18	0.16	0.19	0.07	0.10	0.09	0.17	0.16	0.16	0.06	0.05	0.05	1.45
Avoca Bioprocessing Corp	0044938	003	NCCW	MN-05	0.69	0.67	0.64	0.59	0.51	0.55	0.51	0.60	0.54	0.47	0.47	0.52	6.76
	0044938	004	NCCW	MN-05	0.22	0.22	0.21	0.19	0.17	0.18	0.16	0.20	0.17	0.15	0.15	0.17	2.19
Avoca Bioprocessing Corp*	0044938	001	NCCW	MN-05	0.07	0.07	0.07	0.06	0.05	0.06	0.05	0.06	0.06	0.05	0.05	0.06	0.72
Badger Alloys Inc	0044938	001	NCCW	MN-16	1.35	1.26	1.29	1.19	1.32	1.33	1.22	1.29	1.14	1.14	1.05	1.14	14.71
Blue Mound Golf & Country Club	0044938	001	NCCW	MN-10	0.22	0.42	0.43	0.34	0.22	0.17	0.12	0.14	0.15	0.13	0.14	0.13	2.60
Brenntag Great Lakes LLC - Milsolv Facility	0044938	001	NCCW	MN-07	0.97	1.00	1.14	0.50	0.53	0.46	0.76	0.79	0.79	0.36	0.39	0.32	8.01
Briggs Stratton Corp Wauwatosa	0026514	002	Individual	MN-10	22.19	42.14	43.40	33.87	22.14	17.56	12.60	14.15	14.97	12.73	13.69	13.03	262.47
	0026514	003	Individual	MN-10	2.03	3.86	3.98	3.10	2.03	1.61	1.16	1.30	1.37	1.17	1.25	1.19	24.06
Cambridge Major Laboratories Inc	0044938	001	NCCW	MN-05	9.26E-03	9.07E-03	8.57E-03	7.95E-03	6.89E-03	7.39E-03	6.81E-03	8.12E-03	7.27E-03	6.36E-03	6.40E-03	7.06E-03	0.09
Cambridge Major Laboratories Inc - Grant Drive	0044938	001	NCCW	MN-05	7.85	7.68	7.26	6.74	5.84	6.27	5.77	6.88	6.16	5.39	5.42	5.98	77.23
Canadian Pacific Railway	0064351	001	Individual	MN-16	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.30
Charter Wire Division	0044938	001	NCCW	MN-16	0.01	0.01	0.01	9.74E-03	0.01	0.01	0.01	0.01	9.33E-03	9.33E-03	8.64E-03	9.35E-03	0.12
Chr Hansen Inc	0044938	001	NCCW	MN-15	0.45	0.48	0.48	0.51	0.55	0.49	0.38	0.39	0.47	0.40	0.37	0.35	5.32
	0044938	002	NCCW	MN-15	1.47	1.55	1.54	1.66	1.79	1.60	1.22	1.26	1.54	1.28	1.19	1.12	17.22
D. R. Diedrich & Co LTD	0044938	004	NCCW	MN-16	1.88	1.75	1.80	1.65	1.83	1.84	1.70	1.79	1.58	1.58	1.46	1.58	20.43
	0044938	006	NCCW	MN-16	3.11	2.90	2.98	2.73	3.03	3.05	2.81	2.97	2.61	2.61	2.42	2.62	33.83
Dana Sealing Products LLC*	0044938	001	NCCW	MN-09	1.81	1.48	1.37	1.19	1.32	1.44	1.26	1.30	0.97	0.96	1.16	1.42	15.69
Derco Repair Service	0044938	001	NCCW	MN-09	0.08	0.06	0.06	0.05	0.05	0.06	0.05	0.05	0.04	0.04	0.05	0.06	0.65
Froedtert Memorial Lutheran Hospital	0044938	001	NCCW	MN-15	1.99	2.11	2.10	2.25	2.43	2.17	1.66	1.72	2.09	1.75	1.62	1.53	23.43
Gallos Metal Solutions Inc	0044938	001	NCCW	MN-09	0.37	0.30	0.28	0.24	0.27	0.29	0.26	0.26	0.20	0.20	0.24	0.29	3.18
GE Healthcare	0044938	001	NCCW	MN-09	0.19	0.15	0.14	0.12	0.14	0.15	0.13	0.13	0.10	0.10	0.12	0.15	1.62
GEHL Guernsey Farms Inc*	0044938	001	NCCW	MN-01	22.60	22.09	11.58	9.94	8.10	9.69	9.46	9.90	10.23	9.10	12.18	17.91	152.78
Gkn Sinter Metals	0044938	001	NCCW	MN-01	0.34	0.33	0.17	0.15	0.12	0.15	0.14	0.15	0.15	0.14	0.18	0.27	2.29
	0044938	001a	NCCW	MN-05	0.92	0.90	0.85	0.79	0.69	0.74	0.68	0.81	0.72	0.63	0.64	0.70	9.07
	0044938	001b	NCCW	MN-05	0.46	0.45	0.43	0.39	0.34	0.37	0.34	0.40	0.36	0.32	0.32	0.35	4.53
Grede LLC - Liberty Foundry	0044938	001	NCCW	MN-16	7.51	7.01	7.20	6.59	7.31	7.37	6.80	7.17	6.31	6.31	5.84	6.32	81.73
	0044938	002	NCCW	MN-16	1.14	1.06	1.09	1.00	1.11	1.12	1.03	1.09	0.96	0.96	0.88	0.96	12.37
Hampel Corp	0044938	001	NCCW	MN-03	2.17	2.15	1.26	0.94	0.94	0.71	0.90	0.90	0.97	0.66	1.00	1.67	14.27
Harley Davidson Motor Company Operations	0044938	001	NCCW	MN-05	0.28	0.28	0.26	0.24	0.21	0.23	0.21	0.25	0.22	0.19	0.20	0.22	2.79
Harley Davidson Motor Company PDC	0044938	001	NCCW	MN-10	0.50	0.95	0.98	0.76	0.50	0.40	0.28	0.32	0.34	0.29	0.31	0.29	5.91
	0044938	002	NCCW	MN-10	1.54	2.93	3.02	2.35	1.54	1.22	0.88	0.98	1.04	0.88	0.95	0.91	18.24
Hellermann Tyton	0044938	001	NCCW	MN-09	16.24	13.33	12.36	10.71	11.84	12.92	11.35	11.72	8.73	8.66	10.47	12.77	141.10
Helwig Carbon Products Inc	0044938	001	NCCW	MN-09	0.32	0.26	0.24	0.21	0.23	0.25	0.22	0.23	0.17	0.17	0.21	0.25	2.76
Hentzen Coatings Inc Milwaukee	0044938	002	NCCW	MN-09	1.42	1.16	1.08	0.93	1.03	1.13	0.99	1.02	0.76	0.75	0.91	1.11	12.30
	0044938	003	NCCW	MN-09	1.40	1.15	1.06	0.92	1.02	1.11	0.98	1.01	0.75	0.75	0.90	1.10	12.15
Joy Global Surface Mining Inc.	0025321	001	Individual	MN-16	22.59	21.09	21.66	19.82	22.01	22.17	20.46	21.57	19.00	18.99	17.58	19.03	245.98
Krete Industries Inc	0044938	001	NCCW	MN-10	0.34	0.64	0.66	0.52	0.34	0.27	0.19	0.22	0.23	0.19	0.21	0.20	4.00
Masterson Co	0044938	001	NCCW	MN-16	4.23	3.95	4.06	3.71	4.12	4.15	3.83	4.04	3.56	3.56	3.29	3.56	46.06
	0044938	002	NCCW	MN-16	4.43	4.14	4.25	3.89	4.32	4.35	4.01	4.23	3.73	3.73	3.45	3.73	48.24
Mayfair Mall†	0062260	001	Individual	MN-12	#	#	0.49	1.70	1.59	1.50	0.92	0.94	1.67	1.60	1.40	#	11.80

Table A.17 (MN) - Monthly Total Phosphorus Wasteload Allocation by Permitted Point Source - FINAL

Note: An asterisk (*) behind a facility name indicates that the discharge has been discontinued. Baseline and draft wasteload allocation amounts were calculated for this outfall during TMDL development. Since the discharge was discontinued prior to TMDL approval, a final individual wasteload allocation was not assigned to this outfall. Instead, the draft WLA portion will be set aside as additional reserve capacity for the reach.

For implementation purposes, the individual allocations for NCCW facilities covered under the general permit will be lumped by watershed and tracked through effluent monitoring. Actual permit limits may differ by facility when compared to corresponding individual mass allocations listed for each facility provided the watershed allocation is still met.

Facility Name	Permit Number	Outfall Number	Permit Type	Reach	Monthly TP Wasteload Allocation (lbs/month)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Midwestern Anodizing Corporation	0044938	001	NCCW	MN-09	0.40	0.33	0.30	0.26	0.29	0.32	0.28	0.29	0.21	0.21	0.26	0.31	3.45
Millercoors LLC	0000744	001	Individual	MN-16	9.04	8.44	8.66	7.93	8.80	8.87	8.18	8.63	7.60	7.60	7.03	7.61	98.39
	0000744	004	Individual	MN-16	40.59	37.88	38.91	35.61	39.54	39.83	36.75	38.76	34.13	34.12	31.59	34.19	441.90
Milwaukee County Power Plant	0044938	001	NCCW	MN-14	23.05	49.62	45.74	47.67	34.22	34.95	7.14	6.34	3.83	23.63	13.07	14.98	304.26
Milwaukee Logistic Center	0044938	001	NCCW	MN-05	6.77E-03	6.63E-03	6.26E-03	5.82E-03	5.04E-03	5.41E-03	4.98E-03	5.94E-03	5.32E-03	4.65E-03	4.68E-03	5.16E-03	0.07
Motor Castings Co Plt 1 West Allis	0044938	004	NCCW	MN-16	0.12	0.11	0.11	0.10	0.11	0.12	0.11	0.11	0.10	0.10	0.09	0.10	1.28
	0044938	005	NCCW	MN-16	0.55	0.52	0.53	0.49	0.54	0.54	0.50	0.53	0.47	0.47	0.43	0.47	6.03
	0044938	007	NCCW	MN-16	0.22	0.21	0.21	0.20	0.22	0.22	0.20	0.21	0.19	0.19	0.17	0.19	2.43
Neubauer Fabrications Inc	0044938	001	NCCW	MN-01	#	#	#	#	#	#	#	#	#	#	#	#	#
Perlick Corp	0044938	001	NCCW	MN-09	0.91	0.75	0.69	0.60	0.66	0.72	0.63	0.66	0.49	0.48	0.59	0.71	7.89
Pettit National Ice Center	0044938	001	NCCW	MN-15	0.32	0.33	0.33	0.36	0.39	0.34	0.26	0.27	0.33	0.28	0.26	0.24	3.71
Phoenix Metal Treating	0044938	001	NCCW	MN-01	0.12	0.12	0.06	0.05	0.04	0.05	0.05	0.05	0.06	0.05	0.07	0.10	0.83
Rexnord Industries Inc	0044938	001	NCCW	MN-16	10.58	9.87	10.14	9.28	10.30	10.38	9.58	10.10	8.89	8.89	8.23	8.91	115.17
Rexnord Industries Inc	0044938	004	NCCW	MN-16	0.10	0.10	0.10	0.09	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.09	1.11
	0044938	009	NCCW	MN-16	3.65	3.41	3.50	3.21	3.56	3.59	3.31	3.49	3.07	3.07	2.84	3.08	39.78
Rexnord Industries LLC -Falk	0044938	005	NCCW	MN-16	2.28	2.13	2.19	2.00	2.22	2.24	2.07	2.18	1.92	1.92	1.78	1.92	24.86
Sun Chemical Kohl & Madden	0044938	004	NCCW	MN-05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.50
Super Steel LLC	0044938	001	NCCW	MN-09	0.11	0.09	0.09	0.07	0.08	0.09	0.08	0.08	0.06	0.06	0.07	0.09	0.97
	0044938	002	NCCW	MN-09	0.21	0.17	0.16	0.14	0.15	0.17	0.15	0.15	0.11	0.11	0.13	0.16	1.82
Thiele Tanning Co	0044938	001	NCCW	MN-16	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.80
Toshiba International Corp	0044938	001	NCCW	MN-16	0.58	0.54	0.56	0.51	0.57	0.57	0.53	0.56	0.49	0.49	0.45	0.49	6.35
	0044938	002	NCCW	MN-16	0.15	0.14	0.15	0.13	0.15	0.15	0.14	0.15	0.13	0.13	0.12	0.13	1.67
US Food Service	0044938	001	NCCW	MN-05	1.26	1.23	1.16	1.08	0.94	1.00	0.92	1.10	0.99	0.86	0.87	0.96	12.38
Waste Management of Omega Hills Landfill	0049514	001	Individual	MN-05	1.55	1.40	1.55	1.50	1.55	1.50	1.55	1.55	1.50	1.55	1.50	1.55	18.26
We Energies Germantown†	0042757	001	Individual	MN-01	0	0	0	0	0.10	0.12	0.11	0.12	0.12	0.10	0	0	0.67
We Energies Germantown†	0042757	002	Individual	MN-01	0	0	0	0	0.16	0.19	0.19	0.19	0.20	0.16	0	0	1.08
We Energies Germantown‡	0042757	003	Individual	MN-01	0	0	0	0	0	0	0	0	0	0	0	0	0
We Energies Milwaukee Heating Plant	0044938	003	NCCW	MN-16	1.45	1.35	1.39	1.27	1.41	1.42	1.31	1.38	1.22	1.22	1.13	1.22	15.74
West Allis Memorial Hospital	0044938	001	NCCW	MN-15	1.16	1.22	1.22	1.31	1.41	1.26	0.97	1.00	1.21	1.01	0.94	0.89	13.59
Xymox Technologies Inc	0044938	001	NCCW	MN-09	0.11	0.09	0.08	0.07	0.08	0.09	0.08	0.08	0.06	0.06	0.07	0.09	0.96

Background P is present in the effluent from the source water. The point source is not contributing P beyond that which is present in the intake, therefore no P reductions are necessary to meet TMDL targets.

† Seasonal discharge; WLA=0 in non-discharge months.

‡ Portable demineralizer tanks. No discharge.

Table A.18 (MN) - Daily Total Suspended Solids Wasteload Allocation by Permitted Point Source - FINAL

Facility Name	Permit Number	Outfall Number	Permit Type	Reach	Daily TSS Wasteload Allocation (lbs/day)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Briggs Stratton Corp Wauwatosa	0026514	002	Individual	MN-10	#	#	#	#	#	#	#	#	#	#	#	#	#
	0026514	003	Individual	MN-10	#	#	#	#	#	#	#	#	#	#	#	#	#
Canadian Pacific Railway	0064351	001	Individual	MN-16	0.39	0.44	0.30	0.15	0.14	0.15	0.08	0.09	0.12	0.19	0.24	0.27	32.30
Joy Global Surface Mining Inc.	0025321	001	Individual	MN-16	82.86	93.98	63.57	32.33	29.29	32.88	17.45	18.37	25.86	41.19	50.57	58.01	6,909.24
Mayfair Mall	0062260	001	Individual	MN-12	#	#	0.33	1.22	1.04	1.03	0.47	0.45	1.42	2.12	2.13	#	130.06
Millercoors LLC	0000744	001	Individual	MN-16	36.82	41.77	28.26	14.37	13.02	14.61	7.75	8.16	11.49	18.30	22.47	25.78	3,070.79
	0000744	004	Individual	MN-16	124.04	140.70	95.17	48.39	43.85	49.22	26.12	27.50	38.72	61.66	75.70	86.84	10,343.70
Waste Management of Omega Hills Landfill	0049514	001	Individual	MN-05	54.66	50.76	44.71	31.87	30.78	22.77	17.73	12.36	17.92	16.86	28.46	34.70	4,609.65
We Energies Germantown†	0042757	001	Individual	MN-01	0	0	0	0	2.10	1.88	0.62	0.51	0.65	0.30	0	0	77.53
We Energies Germantown†	0042757	002	Individual	MN-01	0	0	0	0	6.73	6.01	1.97	1.63	2.09	0.97	0	0	248.17
We Energies Germantown‡	0042757	003	Individual	MN-01	0	0	0	0	0	0	0	0	0	0	0	0	0

Background TSS is present in the effluent from the source water. The point source is not contributing TSS beyond that which is present in the intake, therefore no TSS reductions are necessary to meet TMDL targets.

† Seasonal discharge; WLA=0 in non-discharge months.

‡ Portable demineralizer tanks. No discharge.

Table A.19 (MN) - Monthly Total Suspended Solids Wasteload Allocation by Permitted Point Source - FINAL

Facility Name	Permit Number	Outfall Number	Permit Type	Reach	Monthly TSS Wasteload Allocation (lbs/month)												Annual Load Allocation (lbs/year)
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Briggs Stratton Corp Wauwatosa	0026514	002	Individual	MN-10	#	#	#	#	#	#	#	#	#	#	#	#	#
	0026514	003	Individual	MN-10	#	#	#	#	#	#	#	#	#	#	#	#	#
Canadian Pacific Railway	0064351	001	Individual	MN-16	5.02	5.15	3.86	1.90	1.78	1.93	1.06	1.11	1.52	2.50	2.97	3.52	32.30
Joy Global Surface Mining Inc.	0025321	001	Individual	MN-16	1,074.70	1,101.06	824.59	405.76	379.95	412.67	226.31	238.22	324.62	534.20	634.75	752.41	6,909.24
Mayfair Mall	0062260	001	Individual	MN-12	#	#	4.30	15.26	13.53	12.89	6.13	5.85	17.89	27.50	26.71	#	130.06
Millercoors LLC	0000744	001	Individual	MN-16	477.65	489.36	366.49	180.34	168.87	183.41	100.58	105.88	144.28	237.42	282.11	334.40	3,070.79
	0000744	004	Individual	MN-16	1,608.91	1,648.38	1,234.48	607.46	568.81	617.80	338.80	356.64	485.99	799.74	950.27	1,126.41	10,343.70
Waste Management of Omega Hills Landfill	0049514	001	Individual	MN-05	708.96	594.63	579.97	399.99	399.17	285.86	229.96	160.26	224.99	218.64	357.18	450.04	4,609.65
We Energies Germantown†	0042757	001	Individual	MN-01	0	0	0	0	27.25	23.57	7.99	6.62	8.19	3.92	0	0	77.53
We Energies Germantown†	0042757	002	Individual	MN-01	0	0	0	0	87.23	75.44	25.57	21.18	26.22	12.54	0	0	248.17
We Energies Germantown‡	0042757	003	Individual	MN-01	0	0	0	0	0	0	0	0	0	0	0	0	0

Background TSS is present in the effluent from the source water. The point source is not contributing TSS beyond that which is present in the intake, therefore no TSS reductions are necessary to meet TMDL targets.

† Seasonal discharge; WLA=0 in non-discharge months.

‡ Portable demineralizer tanks. No discharge.

Table A.20 (MN) - Daily Fecal Coliform Wasteload Allocation by Permitted Point Source - FINAL

Facility Name	Permit Number	Outfall Number	Permit Type	Reach	Daily Fecal Coliform Wasteload Allocation (billion cells/day)				
					Low	Dry	Mid	Moist	Wet
Briggs Stratton Corp Wauwatosa	0026514	002	Individual	MN-10	#	#	#	#	#
	0026514	003	Individual	MN-10	#	#	#	#	#
Canadian Pacific Railway	0064351	001	Individual	MN-16	#	#	#	#	#
Joy Global Surface Mining Inc.	0025321	001	Individual	MN-16	#	#	#	#	#
Mayfair Mall	0062260	001	Individual	MN-12	#	#	#	#	#
Millercoors LLC	0000744	001	Individual	MN-16	#	#	#	#	#
	0000744	004	Individual	MN-16	#	#	#	#	#
Waste Management of Omega Hills Landfill	0049514	001	Individual	MN-05	#	#	#	#	#
We Energies Germantown	0042757	001	Individual	MN-01	#	#	#	#	#
	0042757	002	Individual	MN-01	#	#	#	#	#
	0042757	003	Individual	MN-01	#	#	#	#	#

Fecal coliform WLA = 0 because the discharge is industrial wastewater only (no sanitary waste). No discharge of bacteria is expected.

Table A.21 (MN) - Monthly Fecal Coliform Wasteload Allocations by Permitted Point Source - FINAL

Facility Name	Permit Number	Outfall Number	Permit Type	Reach	Monthly Fecal Coliform Wasteload Allocation (billion cells/month)				
					Low	Dry	Mid	Moist	Wet
Briggs Stratton Corp Wauwatosa	0026514	002	Individual	MN-10	#	#	#	#	#
	0026514	003	Individual	MN-10	#	#	#	#	#
Canadian Pacific Railway	0064351	001	Individual	MN-16	#	#	#	#	#
Joy Global Surface Mining Inc.	0025321	001	Individual	MN-16	#	#	#	#	#
Mayfair Mall	0062260	001	Individual	MN-12	#	#	#	#	#
Millercoors LLC	0000744	001	Individual	MN-16	#	#	#	#	#
	0000744	004	Individual	MN-16	#	#	#	#	#
Waste Management of Omega Hills Landfill	0049514	001	Individual	MN-05	#	#	#	#	#
We Energies Germantown	0042757	001	Individual	MN-01	#	#	#	#	#
	0042757	002	Individual	MN-01	#	#	#	#	#
	0042757	003	Individual	MN-01	#	#	#	#	#

Fecal coliform WLA = 0 because the discharge is industrial wastewater only (no sanitary waste). No discharge of bacteria is expected.

Table A.22 (MN) - Daily Total Phosphorus Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Daily TP Wasteload Allocation (lbs/day)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Brookfield, City	MN-08	2,540	0.71	0.76	0.96	1.01	1.08	1.06	0.98	0.89	0.64	0.57	0.54	0.61	298.33
	MN-10	555	0.46	1.09	1.39	1.47	0.78	0.58	0.49	0.50	0.37	0.27	0.29	0.33	243.89
	MN-11	4,172	1.11	1.43	1.32	1.32	1.15	1.36	1.39	1.23	1.04	0.79	0.81	0.88	420.50
	MN-12	526	0.16	0.23	0.28	0.28	0.23	0.20	0.21	0.19	0.15	0.11	0.12	0.13	69.61
	MN-13	831	0.24	0.34	0.42	0.42	0.34	0.30	0.32	0.29	0.24	0.18	0.19	0.20	105.33
Brookfield, Town	MN-11	113	0.03	0.04	0.04	0.04	0.03	0.04	0.04	0.03	0.03	0.02	0.02	0.02	11.35
Butler, Village	MN-06	58	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	8.33E-03	0.01	5.66
	MN-08	13	3.53E-03	3.77E-03	4.75E-03	4.98E-03	5.33E-03	5.25E-03	4.85E-03	4.40E-03	3.15E-03	2.83E-03	2.68E-03	3.03E-03	1.48
	MN-10	446	0.37	0.88	1.12	1.18	0.63	0.47	0.39	0.40	0.30	0.22	0.23	0.26	196.17
Elm Grove, Village	MN-11	435	0.12	0.15	0.14	0.14	0.12	0.14	0.14	0.13	0.11	0.08	0.08	0.09	43.88
	MN-12	1,649	0.50	0.72	0.86	0.89	0.71	0.63	0.65	0.59	0.48	0.35	0.37	0.42	218.19
	MN-13	15	4.38E-03	6.31E-03	7.62E-03	7.70E-03	6.18E-03	5.44E-03	5.78E-03	5.27E-03	4.41E-03	3.32E-03	3.44E-03	3.72E-03	1.93
Germantown, Village	MN-01	11,578	1.78	2.60	2.53	2.45	1.45	1.90	1.73	2.03	1.60	1.63	1.50	1.59	693.10
	MN-02	1,119	0.21	0.28	0.35	0.35	0.26	0.22	0.18	0.22	0.17	0.18	0.17	0.19	84.00
	MN-03	1,664	0.36	0.53	0.70	0.69	0.49	0.42	0.42	0.49	0.39	0.36	0.31	0.33	166.81
	MN-04	2,149	0.43	0.59	0.71	0.69	0.50	0.41	0.35	0.42	0.34	0.35	0.33	0.37	166.71
	MN-05	1,909	0.28	0.36	0.41	0.41	0.30	0.33	0.30	0.34	0.24	0.21	0.19	0.23	109.31
	MN-06	134	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.02	0.02	12.99
	MN-09	249	0.06	0.06	0.08	0.08	0.07	0.06	0.05	0.05	0.04	0.04	0.04	0.05	20.85
Greendale, Village	MN-15	73	0.02	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.02	0.02	8.74
Greenfield, City	MN-15	1,840	0.45	0.59	0.82	0.83	0.74	0.59	0.69	0.69	0.57	0.44	0.40	0.44	220.64
Lisbon, Town	MN-04	196	0.04	0.05	0.06	0.06	0.05	0.04	0.03	0.04	0.03	0.03	0.03	0.03	15.20
Menomonee Falls, Village	MN-01	2,170	0.33	0.49	0.47	0.46	0.27	0.36	0.32	0.38	0.30	0.31	0.28	0.30	129.89
	MN-04	539	0.11	0.15	0.18	0.17	0.12	0.10	0.09	0.11	0.08	0.09	0.08	0.09	41.82
	MN-05	376	0.06	0.07	0.08	0.08	0.06	0.06	0.06	0.07	0.05	0.04	0.04	0.05	21.55
	MN-06	4,031	1.17	1.21	1.44	1.23	1.16	1.10	1.15	1.35	0.97	0.74	0.58	0.79	391.76
	MN-07	3,640	0.88	1.03	1.19	1.19	0.90	0.90	0.81	0.97	0.71	0.61	0.58	0.68	318.49
	MN-08	1,070	0.30	0.32	0.40	0.42	0.45	0.45	0.41	0.37	0.27	0.24	0.23	0.26	125.69
	MN-10	13	0.01	0.02	0.03	0.03	0.02	0.01	0.01	0.01	8.29E-03	6.19E-03	6.51E-03	7.34E-03	5.50
Mequon, City	MN-01	547	0.08	0.12	0.12	0.12	0.07	0.09	0.08	0.10	0.08	0.08	0.07	0.08	32.76
	MN-05	420	0.06	0.08	0.09	0.09	0.07	0.07	0.07	0.07	0.05	0.05	0.04	0.05	24.03
	MN-06	92	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.01	0.02	8.90
	MN-09	6,399	1.55	1.61	2.05	2.02	1.85	1.48	1.34	1.29	0.94	0.96	1.11	1.40	535.06
Milwaukee, City	MN-06	2,124	0.62	0.64	0.76	0.65	0.61	0.58	0.61	0.71	0.51	0.39	0.30	0.42	206.44
	MN-09	7,305	1.77	1.84	2.34	2.30	2.11	1.69	1.53	1.48	1.07	1.10	1.27	1.60	610.80
	MN-10	2,501	2.08	4.92	6.27	6.62	3.53	2.63	2.20	2.26	1.66	1.24	1.30	1.47	1,099.66
	MN-12	53	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	7.02
	MN-13	198	0.06	0.08	0.10	0.10	0.08	0.07	0.07	0.07	0.06	0.04	0.04	0.05	25.06
	MN-14	67	0.06	0.16	0.19	0.22	0.13	0.12	0.03	0.02	0.01	0.06	0.03	0.04	32.28
	MN-15	2,185	0.54	0.70	0.97	0.99	0.88	0.70	0.82	0.81	0.68	0.53	0.47	0.52	262.04
	MN-16	2,002	1.44	1.75	2.32	2.29	2.11	1.85	1.86	1.67	1.25	1.12	1.11	1.26	608.89

Table A.22 (MN) - Daily Total Phosphorus Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Daily TP Wasteload Allocation (lbs/day)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
New Berlin, City	MN-13	431	0.12	0.18	0.22	0.22	0.17	0.15	0.16	0.15	0.12	0.09	0.10	0.10	54.60
Richfield, Village	MN-02	98	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	7.34
	MN-03	28	6.16E-03	8.99E-03	0.01	0.01	8.27E-03	7.07E-03	7.07E-03	8.29E-03	6.51E-03	6.04E-03	5.24E-03	5.55E-03	2.82
	MN-04	860	0.17	0.23	0.28	0.28	0.20	0.16	0.14	0.17	0.13	0.14	0.13	0.15	66.67
Wauwatosa, City	MN-10	2,236	1.86	4.40	5.61	5.91	3.16	2.35	1.96	2.02	1.48	1.11	1.16	1.31	983.00
	MN-12	2,445	0.74	1.07	1.28	1.32	1.06	0.93	0.96	0.87	0.71	0.52	0.55	0.62	323.36
	MN-13	101	0.03	0.04	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.02	12.81
	MN-14	705	0.61	1.72	2.04	2.28	1.37	1.22	0.27	0.20	0.11	0.59	0.35	0.42	340.03
	MN-15	150	0.04	0.05	0.07	0.07	0.06	0.05	0.06	0.06	0.05	0.04	0.03	0.04	18.01
	MN-16	2,827	2.03	2.47	3.28	3.23	2.98	2.61	2.63	2.36	1.77	1.58	1.57	1.78	859.71
West Allis, City	MN-13	1,766	0.51	0.73	0.88	0.89	0.72	0.63	0.67	0.61	0.51	0.39	0.40	0.43	223.94
	MN-15	2,258	0.56	0.73	1.00	1.02	0.91	0.73	0.85	0.84	0.70	0.54	0.49	0.54	270.83
	MN-16	316	0.23	0.28	0.37	0.36	0.33	0.29	0.29	0.26	0.20	0.18	0.18	0.20	96.04
West Milwaukee, Village	MN-16	413	0.30	0.36	0.48	0.47	0.43	0.38	0.38	0.34	0.26	0.23	0.23	0.26	125.48

Table A.23 (MN) - Monthly Total Phosphorus Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Monthly TP Wasteload Allocation (lbs/month)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Brookfield, City	MN-08	2,540	21.69	23.19	29.19	30.58	32.78	32.23	29.80	27.03	19.37	17.38	16.45	18.65	298.33
	MN-10	555	14.01	33.19	42.29	44.60	23.83	17.75	14.81	15.22	11.18	8.34	8.77	9.90	243.89
	MN-11	4,172	33.89	43.35	40.13	40.13	34.93	41.47	42.12	37.38	31.65	24.03	24.53	26.90	420.50
	MN-12	526	4.86	6.99	8.38	8.63	6.92	6.11	6.31	5.72	4.65	3.40	3.59	4.06	69.61
	MN-13	831	7.26	10.45	12.62	12.75	10.24	9.02	9.58	8.73	7.31	5.51	5.70	6.16	105.33
Brookfield, Town	MN-11	113	0.91	1.17	1.08	1.08	0.94	1.12	1.14	1.01	0.85	0.65	0.66	0.73	11.35
Butler, Village	MN-06	58	0.51	0.53	0.63	0.54	0.51	0.48	0.51	0.59	0.43	0.33	0.25	0.35	5.66
	MN-08	13	0.11	0.11	0.14	0.15	0.16	0.16	0.15	0.13	0.10	0.09	0.08	0.09	1.48
	MN-10	446	11.27	26.69	34.02	35.88	19.17	14.27	11.91	12.24	8.99	6.71	7.05	7.96	196.17
Elm Grove, Village	MN-11	435	3.54	4.52	4.19	4.19	3.64	4.33	4.39	3.90	3.30	2.51	2.56	2.81	43.88
	MN-12	1,649	15.23	21.90	26.26	27.04	21.69	19.16	19.77	17.92	14.58	10.67	11.26	12.71	218.19
	MN-13	15	0.13	0.19	0.23	0.23	0.19	0.17	0.18	0.16	0.13	0.10	0.10	0.11	1.93
Germantown, Village	MN-01	11,578	53.99	79.12	76.93	74.51	43.95	57.84	52.64	61.78	48.62	49.62	45.61	48.47	693.10
	MN-02	1,119	6.46	8.54	10.52	10.58	7.77	6.54	5.58	6.58	5.32	5.39	5.08	5.63	84.00
	MN-03	1,664	11.08	16.16	21.33	21.02	14.87	12.72	12.72	14.91	11.71	10.86	9.43	9.98	166.81
	MN-04	2,149	13.21	17.79	21.50	21.10	15.07	12.53	10.78	12.75	10.23	10.50	9.92	11.32	166.71
	MN-05	1,909	8.62	10.99	12.39	12.48	9.15	9.91	9.07	10.31	7.20	6.26	5.92	7.01	109.31
	MN-06	134	1.18	1.22	1.45	1.24	1.17	1.11	1.16	1.36	0.98	0.75	0.58	0.80	12.99
	MN-09	249	1.84	1.91	2.43	2.39	2.19	1.75	1.58	1.53	1.11	1.14	1.32	1.66	20.85
Greendale, Village	MN-15	73	0.55	0.71	0.98	1.00	0.89	0.71	0.84	0.82	0.69	0.53	0.48	0.53	8.74
Greenfield, City	MN-15	1,840	13.83	18.02	24.83	25.28	22.55	17.96	21.11	20.82	17.40	13.44	12.10	13.29	220.64
Lisbon, Town	MN-04	196	1.20	1.62	1.96	1.92	1.37	1.14	0.98	1.16	0.93	0.96	0.90	1.03	15.20
Menomonee Falls, Village	MN-01	2,170	10.12	14.83	14.42	13.96	8.24	10.84	9.87	11.58	9.11	9.30	8.55	9.08	129.89
	MN-04	539	3.31	4.46	5.39	5.29	3.78	3.14	2.70	3.20	2.57	2.63	2.49	2.84	41.82
	MN-05	376	1.70	2.17	2.44	2.46	1.80	1.95	1.79	2.03	1.42	1.23	1.17	1.38	21.55
	MN-06	4,031	35.57	36.66	43.64	37.46	35.30	33.34	35.10	41.10	29.45	22.50	17.52	24.11	391.76
	MN-07	3,640	26.86	31.45	36.12	36.12	27.50	27.50	24.73	29.47	21.70	18.53	17.70	20.80	318.49
	MN-08	1,070	9.14	9.77	12.30	12.89	13.81	13.58	12.55	11.39	8.16	7.32	6.93	7.86	125.69
	MN-10	13	0.32	0.75	0.95	1.01	0.54	0.40	0.33	0.34	0.25	0.19	0.20	0.22	5.50
Mequon, City	MN-01	547	2.55	3.74	3.64	3.52	2.08	2.73	2.49	2.92	2.30	2.35	2.16	2.29	32.76
	MN-05	420	1.90	2.42	2.72	2.74	2.01	2.18	1.99	2.27	1.58	1.38	1.30	1.54	24.03
	MN-06	92	0.81	0.83	0.99	0.85	0.80	0.76	0.80	0.93	0.67	0.51	0.40	0.55	8.90
	MN-09	6,399	47.12	48.95	62.32	61.35	56.10	44.97	40.64	39.35	28.57	29.27	33.87	42.55	535.06
Milwaukee, City	MN-06	2,124	18.74	19.32	22.99	19.74	18.60	17.57	18.50	21.66	15.52	11.86	9.23	12.70	206.44
	MN-09	7,305	53.79	55.88	71.14	70.04	64.04	51.34	46.39	44.92	32.62	33.42	38.66	48.57	610.80
	MN-10	2,501	63.15	149.63	190.68	201.11	107.46	80.01	66.77	68.64	50.41	37.61	39.54	44.63	1,099.66
	MN-12	53	0.49	0.70	0.84	0.87	0.70	0.62	0.64	0.58	0.47	0.34	0.36	0.41	7.02
	MN-13	198	1.73	2.49	3.00	3.03	2.43	2.14	2.28	2.08	1.74	1.31	1.36	1.46	25.06
	MN-14	67	1.77	4.96	5.89	6.57	3.96	3.53	0.78	0.59	0.31	1.70	1.01	1.20	32.28
	MN-15	2,185	16.42	21.40	29.49	30.02	26.78	21.33	25.07	24.73	20.67	15.96	14.37	15.78	262.04
	MN-16	2,002	43.72	53.10	70.52	69.51	64.09	56.26	56.69	50.82	38.15	34.01	33.75	38.27	608.89

Table A.23 (MN) - Monthly Total Phosphorus Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Monthly TP Wasteload Allocation (lbs/month)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
New Berlin, City	MN-13	431	3.77	5.42	6.54	6.61	5.31	4.67	4.97	4.53	3.79	2.85	2.96	3.19	54.60
Richfield, Village	MN-02	98	0.56	0.75	0.92	0.92	0.68	0.57	0.49	0.57	0.46	0.47	0.44	0.49	7.34
	MN-03	28	0.19	0.27	0.36	0.36	0.25	0.21	0.22	0.25	0.20	0.18	0.16	0.17	2.82
	MN-04	860	5.28	7.11	8.60	8.44	6.03	5.01	4.31	5.10	4.09	4.20	3.97	4.53	66.67
Wauwatosa, City	MN-10	2,236	56.45	133.76	170.45	179.78	96.06	71.52	59.69	61.36	45.06	33.62	35.34	39.90	983.00
	MN-12	2,445	22.58	32.46	38.91	40.07	32.15	28.40	29.30	26.56	21.60	15.81	16.69	18.84	323.36
	MN-13	101	0.88	1.27	1.54	1.55	1.25	1.10	1.17	1.06	0.89	0.67	0.69	0.75	12.81
	MN-14	705	18.67	52.29	62.09	69.24	41.69	37.19	8.24	6.22	3.23	17.91	10.62	12.65	340.03
	MN-15	150	1.13	1.47	2.03	2.06	1.84	1.47	1.72	1.70	1.42	1.10	0.99	1.08	18.01
	MN-16	2,827	61.73	74.98	99.57	98.14	90.49	79.43	80.04	71.76	53.86	48.02	47.66	54.04	859.71
West Allis, City	MN-13	1,766	15.44	22.22	26.84	27.11	21.76	19.17	20.37	18.56	15.54	11.71	12.12	13.09	223.94
	MN-15	2,258	16.97	22.12	30.48	31.03	27.68	22.05	25.91	25.56	21.36	16.50	14.85	16.31	270.83
	MN-16	316	6.90	8.38	11.12	10.96	10.11	8.87	8.94	8.02	6.02	5.36	5.32	6.04	96.04
West Milwaukee, Village	MN-16	413	9.01	10.94	14.53	14.32	13.21	11.59	11.68	10.47	7.86	7.01	6.96	7.89	125.48

Table A.24 (MN) - Daily Total Suspended Solids Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Daily TSS Wasteload Allocation (lbs/day)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Brookfield, City	MN-08	2,540	115.72	124.46	156.28	162.61	172.83	169.32	156.90	142.27	102.17	91.64	87.31	99.10	48,050.71
	MN-10	555	36.22	100.16	122.36	127.07	62.63	47.83	34.96	35.35	26.99	22.48	22.59	23.56	20,131.33
	MN-11	4,172	180.58	252.14	292.37	293.29	242.91	219.09	221.72	197.65	167.87	127.63	130.54	143.73	75,073.34
	MN-12	526	25.44	36.92	45.24	47.30	38.07	33.04	33.80	30.66	25.38	18.69	19.57	21.52	11,419.18
	MN-13	831	38.07	55.05	67.37	68.13	54.65	47.45	50.49	45.96	38.47	28.93	29.96	32.30	16,928.22
Brookfield, Town	MN-11	113	4.87	6.81	7.89	7.92	6.56	5.91	5.98	5.33	4.53	3.45	3.52	3.88	2,026.35
Butler, Village	MN-06	58	2.87	2.94	3.46	2.86	2.73	2.59	2.79	3.24	2.35	1.76	1.37	1.89	937.69
	MN-08	13	0.57	0.62	0.77	0.80	0.86	0.84	0.78	0.70	0.51	0.45	0.43	0.49	237.73
	MN-10	446	29.14	80.57	98.42	102.21	50.38	38.47	28.12	28.43	21.71	18.08	18.17	18.95	16,192.31
Elm Grove, Village	MN-11	435	18.84	26.31	30.51	30.60	25.35	22.86	23.14	20.62	17.52	13.32	13.62	15.00	7,833.47
	MN-12	1,649	79.73	115.71	141.80	148.25	119.32	103.56	105.94	96.11	79.56	58.59	61.36	67.44	35,792.09
	MN-13	15	0.70	1.01	1.24	1.25	1.00	0.87	0.93	0.84	0.71	0.53	0.55	0.59	310.62
Germantown, Village	MN-01	11,578	304.06	426.04	518.55	517.62	365.73	324.06	305.53	359.59	289.86	286.26	258.89	275.20	128,634.09
	MN-02	1,119	26.44	36.48	47.36	50.11	38.79	33.19	29.72	35.35	28.19	27.25	23.44	24.37	12,180.76
	MN-03	1,664	62.94	88.56	114.29	117.19	86.69	73.27	70.86	82.69	65.88	59.45	51.97	56.22	28,272.48
	MN-04	2,149	59.79	81.61	102.89	103.86	76.49	62.76	56.28	67.20	53.69	53.31	47.83	52.65	24,878.43
	MN-05	1,909	71.05	86.33	100.31	102.44	79.49	79.43	74.34	89.17	67.42	57.94	52.48	58.81	27,943.31
	MN-06	134	6.60	6.76	7.94	6.58	6.26	5.94	6.40	7.44	5.40	4.03	3.15	4.33	2,153.00
	MN-09	249	9.56	10.32	12.94	13.65	12.51	10.33	9.52	9.34	6.95	6.94	7.69	9.15	3,614.42
Greendale, Village	MN-15	73	3.20	4.10	5.57	5.69	5.14	4.08	4.66	4.61	3.96	3.08	2.78	3.01	1,516.53
Greenfield, City	MN-15	1,840	80.83	103.47	140.79	143.61	129.85	103.16	117.78	116.49	99.99	77.77	70.18	76.05	38,302.76
Lisbon, Town	MN-04	196	5.45	7.44	9.38	9.47	6.98	5.72	5.13	6.13	4.90	4.86	4.36	4.80	2,268.71
Menomonee Falls, Village	MN-01	2,170	56.98	79.84	97.18	97.01	68.54	60.73	57.26	67.39	54.32	53.65	48.52	51.58	24,107.32
	MN-04	539	15.00	20.47	25.81	26.05	19.19	15.74	14.12	16.86	13.47	13.37	12.00	13.21	6,240.60
	MN-05	376	14.01	17.02	19.78	20.20	15.67	15.66	14.66	17.58	13.29	11.42	10.35	11.60	5,509.84
	MN-06	4,031	198.95	203.75	239.30	198.28	188.81	179.10	192.80	224.33	162.75	121.64	94.88	130.49	64,906.69
	MN-07	3,640	148.41	175.38	217.63	212.45	164.64	146.78	134.21	159.26	118.52	99.53	95.33	111.70	54,228.75
	MN-08	1,070	48.75	52.44	65.84	68.51	72.81	71.34	66.10	59.94	43.04	38.61	36.78	41.75	20,243.74
	MN-10	13	0.82	2.26	2.76	2.87	1.41	1.08	0.79	0.80	0.61	0.51	0.51	0.53	453.98
Mequon, City	MN-01	547	14.37	20.14	24.51	24.46	17.29	15.32	14.44	16.99	13.70	13.53	12.24	13.01	6,079.50
	MN-05	420	15.62	18.98	22.05	22.52	17.48	17.47	16.35	19.61	14.82	12.74	11.54	12.93	6,144.12
	MN-06	92	4.52	4.63	5.44	4.50	4.29	4.07	4.38	5.10	3.70	2.76	2.16	2.96	1,474.34
	MN-09	6,399	245.28	264.87	332.09	350.23	321.00	265.03	244.43	239.58	178.40	178.08	197.31	234.78	92,752.70
Milwaukee, City	MN-06	2,124	104.84	107.37	126.10	104.49	99.50	94.38	101.60	118.21	85.76	64.10	50.00	68.76	34,203.87
	MN-09	7,305	280.00	302.37	379.11	399.81	366.44	302.55	279.03	273.50	203.66	203.29	225.24	268.02	105,883.72
	MN-10	2,501	163.33	451.63	551.69	572.96	282.41	215.67	157.64	159.40	121.70	101.35	101.85	106.21	90,769.39
	MN-12	53	2.56	3.72	4.56	4.77	3.84	3.33	3.41	3.09	2.56	1.88	1.97	2.17	1,151.39
	MN-13	198	9.06	13.10	16.03	16.21	13.00	11.29	12.01	10.93	9.15	6.88	7.13	7.68	4,026.95
	MN-14	67	8.16	24.27	25.40	28.00	16.37	15.80	2.96	2.36	1.31	8.52	4.63	5.12	4,344.38
	MN-15	2,185	96.00	122.88	167.21	170.55	154.22	122.52	139.88	138.35	118.75	92.36	83.34	90.32	45,489.61
	MN-16	2,002	147.10	201.57	254.88	262.08	234.10	219.29	193.79	180.50	140.34	138.11	120.97	124.01	67,389.02

Table A.24 (MN) - Daily Total Suspended Solids Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Daily TSS Wasteload Allocation (lbs/day)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
New Berlin, City	MN-13	431	19.73	28.54	34.93	35.32	28.33	24.60	26.17	23.83	19.94	15.00	15.53	16.74	8,775.37
Richfield, Village	MN-02	98	2.31	3.19	4.14	4.38	3.39	2.90	2.60	3.09	2.46	2.38	2.05	2.13	1,064.17
	MN-03	28	1.06	1.50	1.93	1.98	1.47	1.24	1.20	1.40	1.11	1.00	0.88	0.95	477.84
	MN-04	860	23.91	32.64	41.15	41.54	30.59	25.10	22.51	26.88	21.47	21.32	19.13	21.06	9,949.73
Wauwatosa, City	MN-10	2,236	146.00	403.72	493.17	512.17	252.45	192.79	140.92	142.49	108.79	90.60	91.04	94.95	81,139.86
	MN-12	2,445	118.15	171.48	210.15	219.71	176.83	153.47	157.00	142.44	117.91	86.83	90.93	99.94	53,043.53
	MN-13	101	4.63	6.70	8.20	8.29	6.65	5.77	6.14	5.59	4.68	3.52	3.64	3.93	2,059.17
	MN-14	705	85.95	255.66	267.59	294.90	172.47	166.46	31.14	24.86	13.76	89.76	48.76	53.94	45,759.63
	MN-15	150	6.60	8.45	11.49	11.72	10.60	8.42	9.61	9.51	8.16	6.35	5.73	6.21	3,126.69
	MN-16	2,827	207.69	284.61	359.87	370.04	330.53	309.62	273.62	254.85	198.16	195.00	170.81	175.10	95,148.72
West Allis, City	MN-13	1,766	80.93	117.05	143.24	144.85	116.19	100.87	107.35	97.72	81.79	61.50	63.71	68.67	35,989.92
	MN-15	2,258	99.22	127.01	172.82	176.27	159.39	126.63	144.58	142.99	122.73	95.46	86.14	93.35	47,016.21
	MN-16	316	23.20	31.80	40.20	41.34	36.93	34.59	30.57	28.47	22.14	21.79	19.08	19.56	10,629.78
West Milwaukee, Village	MN-16	413	30.31	41.54	52.52	54.01	48.24	45.19	39.94	37.20	28.92	28.46	24.93	25.56	13,887.31

Table A.25 (MN) - Monthly Total Suspended Solids Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Monthly TSS Wasteload Allocation (lbs/month)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Brookfield, City	MN-08	2,540	3,517.76	3,783.71	4,750.92	4,943.32	5,253.94	5,147.46	4,769.86	4,324.94	3,105.99	2,785.96	2,654.30	3,012.53	48,050.71
	MN-10	555	1,101.19	3,045.01	3,719.67	3,863.04	1,904.05	1,454.12	1,062.87	1,074.69	820.53	683.35	686.70	716.12	20,131.33
	MN-11	4,172	5,489.50	7,664.95	8,888.10	8,915.91	7,384.43	6,660.20	6,740.37	6,008.61	5,103.34	3,880.04	3,968.52	4,369.36	75,073.34
	MN-12	526	773.25	1,122.24	1,375.33	1,437.89	1,157.28	1,004.37	1,027.51	932.20	771.67	568.27	595.08	654.09	11,419.18
	MN-13	831	1,157.22	1,673.65	2,048.16	2,071.25	1,661.47	1,442.38	1,534.97	1,397.26	1,169.57	879.44	910.92	981.94	16,928.22
Brookfield, Town	MN-11	113	148.17	206.89	239.90	240.65	199.32	179.77	181.93	162.18	137.75	104.73	107.12	117.94	2,026.35
Butler, Village	MN-06	58	87.38	89.48	105.09	87.08	82.92	78.66	84.68	98.52	71.47	53.42	41.67	57.31	937.69
	MN-08	13	17.40	18.72	23.50	24.46	25.99	25.47	23.60	21.40	15.37	13.78	13.13	14.90	237.73
	MN-10	446	885.73	2,449.20	2,991.86	3,107.17	1,531.49	1,169.60	854.90	864.41	659.98	549.64	552.33	576.00	16,192.31
Elm Grove, Village	MN-11	435	572.80	799.79	927.42	930.32	770.52	694.95	703.32	626.96	532.50	404.86	414.09	455.92	7,833.47
	MN-12	1,649	2,423.65	3,517.53	4,310.81	4,506.91	3,627.35	3,148.09	3,220.62	2,921.87	2,418.72	1,781.17	1,865.21	2,050.16	35,792.09
	MN-13	15	21.23	30.71	37.58	38.01	30.49	26.47	28.17	25.64	21.46	16.14	16.71	18.02	310.62
Germantown, Village	MN-01	11,578	9,243.42	12,951.59	15,764.06	15,735.52	11,118.22	9,851.34	9,288.16	10,931.43	8,811.70	8,702.27	7,870.17	8,366.21	128,634.09
	MN-02	1,119	803.67	1,108.92	1,439.76	1,523.40	1,179.25	1,008.84	903.63	1,074.66	856.99	828.32	712.47	740.85	12,180.76
	MN-03	1,664	1,913.25	2,692.37	3,474.40	3,562.47	2,635.37	2,227.47	2,154.18	2,513.90	2,002.68	1,807.43	1,579.84	1,709.10	28,272.48
	MN-04	2,149	1,817.54	2,481.07	3,127.71	3,157.49	2,325.27	1,907.93	1,710.94	2,043.03	1,632.33	1,620.51	1,454.01	1,600.61	24,878.43
	MN-05	1,909	2,159.85	2,624.45	3,049.29	3,114.08	2,416.43	2,414.79	2,259.90	2,710.82	2,049.45	1,761.28	1,595.29	1,787.68	27,943.31
	MN-06	134	200.62	205.46	241.31	199.95	190.39	180.60	194.42	226.21	164.11	122.66	95.68	131.59	2,153.00
	MN-09	249	290.56	313.78	393.41	414.89	380.27	313.97	289.56	283.81	211.34	210.96	233.74	278.13	3,614.42
Greendale, Village	MN-15	73	97.29	124.54	169.46	172.85	156.29	124.17	141.77	140.21	120.35	93.60	84.47	91.54	1,516.53
Greenfield, City	MN-15	1,840	2,457.20	3,145.43	4,279.97	4,365.61	3,947.50	3,136.05	3,580.64	3,541.28	3,039.56	2,364.13	2,133.38	2,312.00	38,302.76
Lisbon, Town	MN-04	196	165.74	226.25	285.22	287.94	212.05	173.99	156.02	186.31	148.85	147.78	132.59	145.96	2,268.71
Menomonee Falls, Village	MN-01	2,170	1,732.31	2,427.26	2,954.34	2,948.99	2,083.67	1,846.24	1,740.69	2,048.66	1,651.40	1,630.89	1,474.95	1,567.91	24,107.32
	MN-04	539	455.92	622.36	784.57	792.04	583.28	478.59	429.18	512.48	409.46	406.50	364.73	401.50	6,240.60
	MN-05	376	425.88	517.49	601.26	614.03	476.47	476.15	445.61	534.52	404.11	347.29	314.56	352.49	5,509.84
	MN-06	4,031	6,048.16	6,194.12	7,274.65	6,027.80	5,739.82	5,444.65	5,861.25	6,819.55	4,947.45	3,697.92	2,884.41	3,966.91	64,906.69
	MN-07	3,640	4,511.73	5,331.61	6,615.83	6,458.55	5,004.95	4,461.96	4,080.11	4,841.58	3,602.89	3,025.86	2,898.12	3,395.56	54,228.75
	MN-08	1,070	1,482.03	1,594.08	2,001.56	2,082.62	2,213.48	2,168.62	2,009.54	1,822.10	1,308.55	1,173.72	1,118.26	1,269.18	20,243.74
	MN-10	13	24.83	68.67	83.88	87.12	42.94	32.79	23.97	24.24	18.50	15.41	15.49	16.15	453.98
Mequon, City	MN-01	547	436.86	612.12	745.04	743.69	525.47	465.59	438.98	516.64	416.46	411.29	371.96	395.40	6,079.50
	MN-05	420	474.90	577.06	670.47	684.72	531.32	530.96	496.90	596.05	450.63	387.27	350.77	393.07	6,144.12
	MN-06	92	137.38	140.70	165.24	136.92	130.38	123.67	133.14	154.90	112.38	84.00	65.52	90.11	1,474.34
	MN-09	6,399	7,456.43	8,052.15	10,095.60	10,646.87	9,758.34	8,057.02	7,430.61	7,283.22	5,423.47	5,413.60	5,998.15	7,137.24	92,752.70
Milwaukee, City	MN-06	2,124	3,187.20	3,264.11	3,833.52	3,176.47	3,024.71	2,869.16	3,088.70	3,593.70	2,607.16	1,948.69	1,520.00	2,090.44	34,203.87
	MN-09	7,305	8,512.04	9,192.10	11,524.84	12,154.15	11,139.83	9,197.66	8,482.57	8,314.30	6,191.27	6,180.01	6,847.30	8,147.66	105,883.72
	MN-10	2,501	4,965.13	13,729.51	16,771.49	17,417.90	8,585.11	6,556.43	4,792.31	4,845.61	3,699.66	3,081.12	3,096.22	3,228.89	90,769.39
	MN-12	53	77.97	113.16	138.67	144.98	116.69	101.27	103.60	93.99	77.81	57.30	60.00	65.95	1,151.39
	MN-13	198	275.28	398.13	487.22	492.72	395.24	343.12	365.15	332.39	278.22	209.20	216.69	233.59	4,026.95
	MN-14	67	248.08	737.86	772.29	851.12	497.78	480.43	89.87	71.75	39.72	259.06	140.74	155.69	4,344.38
	MN-15	2,185	2,918.25	3,735.61	5,083.03	5,184.74	4,688.18	3,724.48	4,252.49	4,205.74	3,609.88	2,807.72	2,533.67	2,745.81	45,489.61
	MN-16	2,002	4,471.72	6,127.78	7,748.21	7,967.32	7,116.56	6,666.30	5,891.31	5,487.12	4,266.48	4,198.59	3,677.62	3,770.00	67,389.02

Table A.25 (MN) - Monthly Total Suspended Solids Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Monthly TSS Wasteload Allocation (lbs/month)												Annual Wasteload Allocation (lbs/year)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
New Berlin, City	MN-13	431	599.89	867.60	1,061.74	1,073.71	861.28	747.71	795.71	724.32	606.29	455.89	472.21	509.02	8,775.37
Richfield, Village	MN-02	98	70.21	96.88	125.78	133.09	103.02	88.14	78.95	93.89	74.87	72.37	62.24	64.72	1,064.17
	MN-03	28	32.34	45.50	58.72	60.21	44.54	37.65	36.41	42.49	33.85	30.55	26.70	28.89	477.84
	MN-04	860	726.89	992.27	1,250.88	1,262.79	929.95	763.04	684.26	817.08	652.82	648.10	581.51	640.14	9,949.73
Wauwatosa, City	MN-10	2,236	4,438.39	12,272.98	14,992.24	15,570.07	7,674.34	5,860.87	4,283.91	4,331.55	3,307.17	2,754.25	2,767.75	2,886.35	81,139.86
	MN-12	2,445	3,591.83	5,212.95	6,388.58	6,679.19	5,375.70	4,665.44	4,772.93	4,330.18	3,584.52	2,639.67	2,764.22	3,038.32	53,043.53
	MN-13	101	140.77	203.58	249.14	251.95	202.10	175.45	186.72	169.96	142.27	106.98	110.81	119.44	2,059.17
	MN-14	705	2,613.02	7,771.92	8,134.60	8,964.88	5,243.15	5,060.37	946.63	755.71	418.35	2,728.67	1,482.43	1,639.88	45,759.63
	MN-15	150	200.58	256.76	349.38	356.37	322.24	256.00	292.29	289.08	248.12	192.99	174.15	188.73	3,126.69
	MN-16	2,827	6,313.77	8,652.01	10,939.95	11,249.32	10,048.10	9,412.36	8,318.13	7,747.44	6,023.98	5,928.13	5,192.55	5,322.99	95,148.72
West Allis, City	MN-13	1,766	2,460.29	3,558.23	4,354.45	4,403.54	3,532.33	3,066.55	3,263.40	2,970.62	2,486.55	1,869.71	1,936.64	2,087.63	35,989.92
	MN-15	2,258	3,016.19	3,860.98	5,253.62	5,358.74	4,845.51	3,849.47	4,395.20	4,346.88	3,731.03	2,901.94	2,618.70	2,837.96	47,016.21
	MN-16	316	705.36	966.58	1,222.18	1,256.75	1,122.55	1,051.53	929.28	865.52	672.98	662.28	580.10	594.67	10,629.78
West Milwaukee, Village	MN-16	413	921.52	1,262.79	1,596.73	1,641.88	1,466.56	1,373.77	1,214.06	1,130.77	879.22	865.23	757.87	776.91	13,887.31

Table A.26 (MN) - Daily Fecal Coliform Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Daily Fecal Coliform Wasteload Allocation (billion cells/day)				
			Low	Dry	Mid	Moist	Wet
Brookfield, City	MN-08	2,540	8.23	18.59	30.68	41.22	72.82
	MN-10	555	2.66	4.64	7.69	11.22	22.95
	MN-11	4,172	13.40	26.62	41.62	65.29	144.21
	MN-12	526	1.91	4.01	6.00	9.23	19.04
	MN-13	831	2.96	5.93	9.11	14.17	29.47
Brookfield, Town	MN-11	113	0.36	0.72	1.12	1.76	3.89
Butler, Village	MN-06	58	0.09	0.35	0.64	1.05	2.48
	MN-08	13	0.04	0.09	0.15	0.20	0.36
	MN-10	446	2.14	3.73	6.18	9.02	18.46
Elm Grove, Village	MN-11	435	1.40	2.78	4.34	6.81	15.05
	MN-12	1,649	5.99	12.56	18.81	28.94	59.68
	MN-13	15	0.05	0.11	0.17	0.26	0.54
Germantown, Village	MN-01	11,578	12.82	43.95	85.07	130.52	380.46
	MN-02	1,119	0.97	4.40	8.32	13.36	37.90
	MN-03	1,664	3.75	9.81	17.64	25.83	60.88
	MN-04	2,149	1.84	8.27	15.77	24.93	70.44
	MN-05	1,909	4.10	11.43	19.53	30.16	72.80
	MN-06	134	0.20	0.81	1.48	2.41	5.70
	MN-09	249	0.44	1.33	2.35	3.74	7.22
Greendale, Village	MN-15	73	0.27	0.61	0.82	1.35	2.27
Greenfield, City	MN-15	1,840	6.73	15.50	20.79	34.03	57.34
Lisbon, Town	MN-04	196	0.17	0.75	1.44	2.27	6.42
Menomonee Falls, Village	MN-01	2,170	2.40	8.24	15.94	24.46	71.30
	MN-04	539	0.46	2.07	3.96	6.25	17.67
	MN-05	376	0.81	2.25	3.85	5.95	14.36
	MN-06	4,031	6.09	24.46	44.56	72.51	171.85
	MN-07	3,640	4.40	18.56	33.68	53.06	129.43
	MN-08	1,070	3.47	7.83	12.93	17.37	30.68
	MN-10	13	0.06	0.10	0.17	0.25	0.52
Mequon, City	MN-01	547	0.61	2.08	4.02	6.17	17.98
	MN-05	420	0.90	2.51	4.29	6.63	16.01
	MN-06	92	0.14	0.56	1.01	1.65	3.90
	MN-09	6,399	11.30	34.06	60.35	95.92	185.25
Milwaukee, City	MN-06	2,124	3.21	12.89	23.48	38.21	90.56
	MN-09	7,305	12.90	38.88	68.90	109.50	211.48
	MN-10	2,501	12.01	20.94	34.66	50.57	103.49
	MN-12	53	0.19	0.40	0.61	0.93	1.92
	MN-13	198	0.70	1.41	2.17	3.37	7.01
	MN-14	67	0.55	0.95	1.30	2.00	4.38
	MN-15	2,185	7.99	18.41	24.70	40.42	68.10
	MN-16	2,002	17.62	27.46	38.12	54.18	106.60

Table A.26 (MN) - Daily Fecal Coliform Wasteload Allocation per MS4 - FINAL

Municipality	Reach	Area (acres)	Daily Fecal Coliform Wasteload Allocation (billion cells/day)				
			Low	Dry	Mid	Moist	Wet
New Berlin, City	MN-13	431	1.53	3.07	4.72	7.34	15.28
Richfield, Village	MN-02	98	0.08	0.38	0.73	1.17	3.31
	MN-03	28	0.06	0.17	0.30	0.44	1.03
	MN-04	860	0.73	3.31	6.31	9.97	28.17
Wauwatosa, City	MN-10	2,236	10.73	18.72	30.98	45.21	92.51
	MN-12	2,445	8.87	18.61	27.88	42.89	88.44
	MN-13	101	0.36	0.72	1.11	1.72	3.59
	MN-14	705	5.80	9.95	13.71	21.06	46.13
	MN-15	150	0.55	1.27	1.70	2.78	4.68
	MN-16	2,827	24.87	38.78	53.82	76.50	150.52
West Allis, City	MN-13	1,766	6.29	12.60	19.37	30.12	62.66
	MN-15	2,258	8.26	19.03	25.52	41.78	70.38
	MN-16	316	2.78	4.33	6.01	8.55	16.82
West Milwaukee, Village	MN-16	413	3.63	5.66	7.86	11.17	21.97

Table A.27 (MN) - Monthly Fecal Coliform Wasteload Allocation by MS4 - FINAL

Municipality	Reach	Area (acres)	Monthly Fecal Coliform Wasteload Allocation (billion cells/month)				
			Low	Dry	Mid	Moist	Wet
Brookfield, City	MN-08	2,540	250.29	565.02	932.78	1,253.21	2,213.84
	MN-10	555	80.95	141.16	233.66	340.99	697.78
	MN-11	4,172	407.23	809.27	1,265.33	1,984.80	4,383.87
	MN-12	526	58.07	121.79	182.44	280.68	578.81
	MN-13	831	89.93	180.14	277.00	430.64	895.97
Brookfield, Town	MN-11	113	10.99	21.84	34.15	53.57	118.33
Butler, Village	MN-06	58	2.68	10.74	19.57	31.85	75.48
	MN-08	13	1.24	2.80	4.61	6.20	10.95
	MN-10	446	65.11	113.54	187.94	274.27	561.25
Elm Grove, Village	MN-11	435	42.49	84.44	132.03	207.10	457.43
	MN-12	1,649	182.02	381.75	571.84	879.77	1,814.20
	MN-13	15	1.65	3.31	5.08	7.90	16.44
Germantown, Village	MN-01	11,578	389.73	1,335.98	2,586.21	3,967.69	11,566.02
	MN-02	1,119	29.39	133.62	253.02	406.26	1,152.08
	MN-03	1,664	114.01	298.17	536.15	785.34	1,850.80
	MN-04	2,149	55.82	251.39	479.39	757.77	2,141.51
	MN-05	1,909	124.63	347.61	593.68	916.94	2,213.27
	MN-06	134	6.14	24.67	44.93	73.12	173.30
	MN-09	249	13.39	40.34	71.50	113.63	219.46
Greendale, Village	MN-15	73	8.10	18.66	25.03	40.96	69.01
Greenfield, City	MN-15	1,840	204.54	471.19	632.14	1,034.65	1,743.08
Lisbon, Town	MN-04	196	5.09	22.92	43.72	69.10	195.29
Menomonee Falls, Village	MN-01	2,170	73.04	250.38	484.68	743.58	2,167.59
	MN-04	539	14.00	63.06	120.25	190.08	537.19
	MN-05	376	24.57	68.54	117.06	180.80	436.41
	MN-06	4,031	185.17	743.59	1,354.63	2,204.32	5,224.37
	MN-07	3,640	133.61	564.34	1,023.88	1,613.07	3,934.77
	MN-08	1,070	105.45	238.04	392.98	527.98	932.69
	MN-10	13	1.83	3.18	5.27	7.69	15.74
Mequon, City	MN-01	547	18.42	63.14	122.23	187.52	546.63
	MN-05	420	27.40	76.43	130.54	201.61	486.65
	MN-06	92	4.21	16.89	30.77	50.07	118.67
	MN-09	6,399	343.59	1,035.31	1,834.79	2,916.04	5,631.68
Milwaukee, City	MN-06	2,124	97.58	391.85	713.85	1,161.61	2,753.09
	MN-09	7,305	392.24	1,181.88	2,094.54	3,328.87	6,428.95
	MN-10	2,501	364.98	636.46	1,053.56	1,537.46	3,146.19
	MN-12	53	5.86	12.28	18.40	28.30	58.36
	MN-13	198	21.39	42.85	65.89	102.44	213.14
	MN-14	67	16.75	28.73	39.58	60.77	133.15
	MN-15	2,185	242.92	559.60	750.75	1,228.78	2,070.14
	MN-16	2,002	535.54	834.93	1,158.88	1,647.10	3,240.78

Table A.27 (MN) - Monthly Fecal Coliform Wasteload Allocation by MS4 - FINAL

Municipality	Reach	Area (acres)	Monthly Fecal Coliform Wasteload Allocation (billion cells/month)				
			Low	Dry	Mid	Moist	Wet
New Berlin, City	MN-13	431	46.62	93.38	143.59	223.24	464.46
Richfield, Village	MN-02	98	2.57	11.67	22.10	35.49	100.65
	MN-03	28	1.93	5.04	9.06	13.27	31.28
	MN-04	860	22.32	100.54	191.72	303.06	856.46
Wauwatosa, City	MN-10	2,236	326.26	568.94	941.79	1,374.35	2,812.42
	MN-12	2,445	269.75	565.74	847.46	1,303.81	2,688.63
	MN-13	101	10.94	21.91	33.69	52.38	108.99
	MN-14	705	176.39	302.62	416.87	640.10	1,402.50
	MN-15	150	16.70	38.46	51.60	84.46	142.29
	MN-16	2,827	756.15	1,178.86	1,636.27	2,325.59	4,575.75
West Allis, City	MN-13	1,766	191.20	382.98	588.91	915.56	1,904.86
	MN-15	2,258	251.07	578.38	775.94	1,270.02	2,139.61
	MN-16	316	84.47	131.70	182.80	259.81	511.19
West Milwaukee, Village	MN-16	413	110.36	172.06	238.82	339.43	667.85

Table A.28 (MN) - Required Percent Reduction of MS4 TP and TSS by Reach and Municipality - FINAL

Note: Percent reduction is calculated as the average of the monthly percent load reductions from baseline. Baseline MS4 loads reflect 20% TSS reduction from no controls (and associated reduction of TP).

Reach	TP Target (mg/L)	Annual Allowable TP Load for Reach (lbs/year)	TSS Target (mg/L)	Annual Allowable TSS Load for Reach (lbs/year)	Municipality	MS4 Area (acres)	Average TP Percent Reduction for MS4	Average TSS Percent Reduction for MS4
MN-01	0.075	1,398	12	223,786		14,295	59%	58%
					Germantown, Village	11,578	59%	58%
					Menomonee Falls, Village	2,170	59%	58%
MN-02	0.075	121	12	19,372		1,216	41%	54%
					Germantown, Village	1,119	41%	54%
					Richfield, Village	98	41%	54%
MN-03	0.075	213	12	34,020		1,692	55%	57%
					Germantown, Village	1,664	55%	57%
MN-04	0.075	363	12	58,058		3,744	45%	55%
					Germantown, Village	2,149	45%	55%
MN-05	0.075	316	12	50,631		2,705	69%	63%
					Lisbon, Town	196	45%	55%
					Menomonee Falls, Village	539	45%	55%
MN-06	0.075	711	12	113,773		2,705	69%	63%
					Richfield, Village	860	45%	55%
					Germantown, Village	1,909	69%	63%
MN-07	0.075	365	12	58,344		2,705	69%	63%
					Menomonee Falls, Village	376	69%	63%
					Mequon, City	420	69%	63%
MN-08	0.075	457	12	73,067		6,439	65%	67%
					Butler, Village	58	65%	67%
					Germantown, Village	134	65%	67%
					Menomonee Falls, Village	4,031	65%	67%
					Mequon, City	92	65%	67%
MN-09	0.075	1,627	12	260,315		3,640	60%	63%
					Milwaukee, City	2,124	65%	67%
MN-10	0.1	3,036	12	222,942		3,640	60%	63%
					Menomonee Falls, Village	3,640	60%	63%
					Brookfield, City	2,540	53%	62%
MN-11	0.075	597	12	95,580		3,623	53%	62%
					Butler, Village	13	53%	62%
					Menomonee Falls, Village	1,070	53%	62%
MN-12	0.075	679	12	108,574		13,954	60%	63%
					Germantown, Village	249	60%	63%
					Mequon, City	6,399	60%	63%
MN-13	0.1	3,036	12	222,942		5,750	23%	59%
					Milwaukee, City	7,305	60%	63%
					Wauwatosa, City	2,236	23%	59%
					Brookfield, City	555	23%	59%
					Butler, Village	446	23%	59%
MN-14	0.075	597	12	95,580		4,720	58%	65%
					Menomonee Falls, Village	13	23%	59%
					Milwaukee, City	2,501	23%	59%
MN-15	0.075	679	12	108,574		4,720	58%	65%
					Wauwatosa, City	2,236	23%	59%
					Brookfield, City	4,172	58%	65%
MN-16	0.075	679	12	108,574		4,673	73%	75%
					Brookfield, Town	113	58%	65%
					Elm Grove, Village	435	58%	65%
MN-17	0.075	679	12	108,574		4,673	73%	75%
					Brookfield, City	526	73%	75%
					Elm Grove, Village	1,649	73%	75%
					Milwaukee, City	53	73%	75%
MN-18	0.075	679	12	108,574		4,673	73%	75%
					Wauwatosa, City	2,445	73%	75%

Table A.28 (MN) - Required Percent Reduction of MS4 TP and TSS by Reach and Municipality - FINAL

Note: Percent reduction is calculated as the average of the monthly percent load reductions from baseline. Baseline MS4 loads reflect 20% TSS reduction from no controls (and associated reduction of TP).

Reach	TP Target (mg/L)	Annual Allowable TP Load for Reach (lbs/year)	TSS Target (mg/L)	Annual Allowable TSS Load for Reach (lbs/year)	Municipality	MS4 Area (acres)	Average TP Percent Reduction for MS4	Average TSS Percent Reduction for MS4
MN-13	0.075	454	12	72,671	Brookfield, City	3,341	66%	71%
					Elm Grove, Village	831	66%	71%
					Milwaukee, City	15	66%	71%
					New Berlin, City	198	66%	71%
					Wauwatosa, City	431	66%	71%
					West Allis, City	101	66%	71%
MN-14	0.1	718	12	53,449	Milwaukee, City	772	43%	56%
					Wauwatosa, City	67	43%	56%
					Wauwatosa, City	705	43%	56%
MN-15	0.075	895	12	143,161	Greendale, Village	6,506	63%	67%
					Greenfield, City	73	63%	67%
					Milwaukee, City	1,840	63%	67%
					Wauwatosa, City	2,185	63%	67%
					West Allis, City	150	63%	67%
MN-16	0.1	3,122	12	220,942	Milwaukee, City	2,258	63%	67%
					Wauwatosa, City	2,002	43%	65%
					West Allis, City	2,827	43%	65%
					West Milwaukee, Village	316	43%	65%
					413	43%	65%	

Table A.29 (MN) - Required Percent Reduction of MS4 TP and TSS by Municipality - FINAL

Note: Percent reduction is calculated as the average of the 12 monthly percent load reductions from baseline.

Municipality	Reach	Area (acres)	Average TP Percent Reduction	Average TSS Percent Reduction
Brookfield, City	MN-08	2,540	53%	62%
	MN-10	555	23%	59%
	MN-11	4,172	58%	65%
	MN-12	526	73%	75%
	MN-13	831	66%	71%
Brookfield, Town	MN-11	113	58%	65%
Butler, Village	MN-06	58	65%	67%
	MN-08	13	53%	62%
	MN-10	446	23%	59%
Elm Grove, Village	MN-11	435	58%	65%
	MN-12	1,649	73%	75%
	MN-13	15	66%	71%
Germantown, Village	MN-01	11,578	59%	58%
	MN-02	1,119	41%	54%
	MN-03	1,664	55%	57%
	MN-04	2,149	45%	55%
	MN-05	1,909	69%	63%
	MN-06	134	65%	67%
	MN-09	249	60%	63%
Greendale, Village	MN-15	73	63%	67%
Greenfield, City	MN-15	1,840	63%	67%
Lisbon, Town	MN-04	196	45%	55%
Menomonee Falls, Village	MN-01	2,170	59%	58%
	MN-04	539	45%	55%
	MN-05	376	69%	63%
	MN-06	4,031	65%	67%
	MN-07	3,640	60%	63%
	MN-08	1,070	53%	62%
	MN-10	13	23%	59%
Mequon, City	MN-01	547	59%	58%
	MN-05	420	69%	63%
	MN-06	92	65%	67%
	MN-09	6,399	60%	63%
Milwaukee, City	MN-06	2,124	65%	67%
	MN-09	7,305	60%	63%
	MN-10	2,501	23%	59%
	MN-12	53	73%	75%
	MN-13	198	66%	71%
	MN-14	67	43%	56%
	MN-15	2,185	63%	67%
MN-16	2,002	43%	65%	

Table A.29 (MN) - Required Percent Reduction of MS4 TP and TSS by Municipality - FINAL

Note: Percent reduction is calculated as the average of the 12 monthly percent load reductions from baseline.

Municipality	Reach	Area (acres)	Average TP Percent Reduction	Average TSS Percent Reduction
New Berlin, City	MN-13	431	66%	71%
Richfield, Village	MN-02	98	41%	54%
	MN-03	28	55%	57%
	MN-04	860	45%	55%
Wauwatosa, City	MN-10	2,236	23%	59%
	MN-12	2,445	73%	75%
	MN-13	101	66%	71%
	MN-14	705	43%	56%
	MN-15	150	63%	67%
	MN-16	2,827	43%	65%
West Allis, City	MN-13	1,766	66%	71%
	MN-15	2,258	63%	67%
	MN-16	316	43%	65%
West Milwaukee, Village	MN-16	413	43%	65%

Table A.30 (MN) - Required Percent Reduction of Agricultural and Non-Permitted Urban TP and TSS by Reach - FINAL

Note: Percent reduction is calculated as the average of the monthly percent load reductions from baseline.

Reach	Required Average Percent Reduction of TP from Baseline Load		Required Average Percent Reduction of TSS from Baseline Load	
	Agricultural	Non-Permitted Urban	Agricultural	Non-Permitted Urban
MN-01	46%	60%	46%	59%
MN-02	30%	43%	45%	55%
MN-03	38%	-	42%	-
MN-04	30%	-	43%	-
MN-05	58%	-	51%	-
MN-06	45%	-	42%	-
MN-07	-	-	-	-
MN-08	-	-	-	-
MN-09	49%	-	51%	-
MN-10	-	-	-	-
MN-11	45%	-	54%	-
MN-12	53%	-	61%	-
MN-13	47%	-	58%	-
MN-14	-	-	-	-
MN-15	-	-	-	-
MN-16	38%	-	58%	-