

The north half of Section 18, Township 37 North, Range 6 East, Second Principal Meridian, Jefferson Township, Elkhart County, Indiana; also,

The east half of Sections 21, 28, and 33, Township 37 North, Range 6 East, Second Principal Meridian, Jefferson Township, Elkhart County, Indiana; also,

The west one quarter of Sections 23, 26, and 35, Township 37 North, Range 6 East, Second Principal Meridian, Jefferson Township, Elkhart County, Indiana; also,

That part of Section 31, Township 37 North, Range 6 East, Second Principal Meridian, Concord Township, Elkhart County, Indiana lying south and west of the approximate centerline of the Elkhart River;

Containing 7.94 square miles in Township 37 North, Range 6 East, Second Principal Meridian, Jefferson and Concord Townships, Elkhart County, Indiana; also,

A part of Township 36 North, Range 6 East, Second Principal Meridian, **Elkhart** Township, Elkhart County, Indiana, and being more particularly described as follows:

All of Sections 2 through Section 11 inclusive, Township 36 North, Range 6 East, Second Principal Meridian, Elkhart Township, Elkhart County, Indiana; also,

All of Sections 14 through Section 18 inclusive, Township 36 North, Range 6 East, Second Principal Meridian, Elkhart Township, Elkhart County, Indiana; also,

That part of Section 13, Township 36 North, Range 6 East, Second Principal Meridian, Elkhart Township, Elkhart County, Indiana lying south of the southerly right-of-way of the Norfolk Southern Railroad; also,

All of Sections 20 through Section 27 inclusive, Township 36 North, Range 6 East, Second Principal Meridian, Elkhart Township, Elkhart County, Indiana; also,

All of Section 35 and Section 36, Township 36 North, Range 6 East, Second Principal Meridian, Elkhart Township, Elkhart County, Indiana; also,

That part of Section 28, Township 36 North, Range 6 East, Second Principal Meridian, Elkhart Township, Elkhart County, Indiana lying north of the centerline of County Highway 40; also,

That part of Section 33, Township 36 North, Range 6 East, Second Principal Meridian, Elkhart Township, Elkhart County, Indiana lying east of the centerline of State Highway 15; also,

All of Section 34, Township 36 North, Range 6 East, Second Principal Meridian, Elkhart Township, Elkhart County, Indiana, excepting that part of said Section 34 lying west of the centerline of State Highway 15 and also excepting that part of said Section 34 bounded on the north and east by the centerline of County Highway 42 and bounded on the west by the westerly right-of-way of the Norfolk Southern Railroad;

Containing 25.76 square miles in Township 36 North, Range 6 East, Second Principal Meridian, Elkhart Township, Elkhart County, Indiana; also,

A part of Township 35 North, Range 6 East, Second Principal Meridian, Jackson Township, Elkhart County, Indiana, and being more particularly described as follows:

That part of Section 1, Township 35 North, Range 6 East, Second Principal Meridian, Jackson Township, Elkhart County, Indiana lying "north and east of the centerline of United States Highway 33; also,

Beginning at the northwest corner of Section 3, Township 35 North, Range 6 East, Second Principal Meridian, Jackson Township, Elkhart County, Indiana, thence easterly along the north line of the northwest quarter of said Section 3 to the westerly right-of-way of the Norfolk Southern Railroad; thence southwesterly and southerly along said right-of-way line to the centerline of County Highway 142; thence easterly along the centerline of County Highway 142 to the intersection of the centerline of County Highway 29; thence southeasterly along the centerline of County Highway 29 to the intersection of the centerline of County Highway 25; thence southerly along the centerline of County Highway 25 to the south line of the southeast quarter of said Section 3; thence westerly along the south line of the southeast quarter and the south line of the southwest quarter of said Section 3 to the southwest corner of said Section 3; thence northerly along the west line of the southwest quarter and the northwest quarter of said Section 3 to the place of beginning; also,

The east half of Sections 4 and 9, Township 35 North, Range 6 East, Second Principal Meridian, Jackson Township, Elkhart County, Indiana; also,

The northeast quarter of Section 16, Township 35 North, Range 6 East, Second Principal Meridian, Jackson Township, Elkhart County, Indiana; also,

The northwest quarter and the east half of the northeast quarter of Section 15, Township 35 North, Range 6 East, Second Principal Meridian, Jackson Township, Elkhart County, Indiana; also,

The west half and the west half of the east half of Sections 10, Township 35 North, Range 6 East, Second Principal Meridian, Jackson Township, Elkhart County, Indiana;

Containing 2.84 square miles in Township 35 North, Range 6 East, Second Principal Meridian, Jackson Township, Elkhart County, Indiana; also,

A part of Township 35 North, Range 7 East, Second Principal Meridian, Benton Township, Elkhart County, Indiana, and being more particularly described as follows:

All of Section 6, Township 35 North, Range 7 East, Second Principal Meridian, Benton Township, Elkhart County, Indiana;

Containing 0.99 square miles in Township 35 North, Range 7 East, Second Principal Meridian, Benton Township, Elkhart County, Indiana.

Said description containing a total of 127.38 square miles, more or less, and having a perimeter boundary of 92.6 miles more or less. A map of the MS4 Area can be found in Figure 1.

Section 5.0
NARRATIVE SUMMARY OF ALLOWED STRUCTURAL BMP TYPES
FOR NEW AND REDEVELOPMENT

All entities in the Partnership have adopted standards or ordinances that require Post-construction plans for new and redevelopment that disturbs an acre of soil or more, or is part of a larger common plan of development. In addition, a draft Post-Construction BMP Manual has been developed and all entities are expected to adopt the manual in the next year.

Section 6.0
PROGRAMMATIC INDICATORS FOR MCMS

In compliance with 327 IAC 15-13-8-(a) (12), a list of programmatic indicators grouped by MCM has been developed based on the requirements of 327 IAC 15-13-8-(b). These indicators will be used to evaluate the effectiveness of the stormwater program and will be included in yearly reports from the Greater Elkhart County MS4 Area SWQMP Program.

A. Public Education and Outreach MCM

- i. Results from web survey/quiz
- ii. Attendance at public meetings, presentations, and events related to stormwater
- iii. Number of brochures, newsletters, calendars, and other public education materials distributed.

B. Public Participation / Involvement MCM

- i. Number of citizens that participate in clean-ups, volunteer monitoring, storm drain marking, incentive programs, and other stormwater activities
- ii. Number and location of storm drains marked or cast

C. Illicit Discharge Detection and Elimination MCM

- i. Linear feet or percentage of known MS4 conveyances mapped
- ii. Number and location of known MS4 Area outfalls mapped
- iii. Number and location of MS4 Area outfalls screened for illicit discharges
- iv. Number and location of illicit discharges detected
- v. Number and location of illicit discharges eliminated
- vi. Household Hazardous Waste (HHW) Collections
 - Number of and amount of material collected from HHW collections
 - Number and location of citizen drop-off centers for automobile fluids
 - Number of citizens that participate in HHW collections

D. Construction Site Stormwater Run-off Control MCM

- i. Number of SWPPPs received and reviewed
- ii. Number of construction sites inspected
- iii. Number and type of enforcement actions taken against construction site operators
- iv. Number of public informational requests received related to construction site operators
- v. Number of staff training hours

E. Post construction Stormwater Run-off Control MCM

- i. Number, type, and location of structural BMPs
 - Installed
 - Inspected
 - Maintained or improved to function properly
- ii. Type and location of nonstructural BMPs utilized
- iii. Acreage of open space preserved and mapped in MS4 Area
- iv. Acreage of pervious and impervious surface mapped in the MS4 Area
- v. Number and location of new retail gasoline outlets or municipal, state, federal, or institutional refueling areas that replaced existing tank systems that have installed stormwater BMPs.

F. Pollution Prevention and Good Housekeeping MCM

- i. Number and location of municipal facilities that have containment for accidental releases of stored polluting material
- ii. Acreage and location where pesticides and fertilizers are applied by the regulated MS4 entity
- iii. Estimated linear feet and location of unvegetated swales and ditches that have an appropriately-sized vegetated filter strip
- iv. Estimated linear feet and location of MS4 conveyances cleaned or repaired
- v. Estimated linear feet or percentage and location of roadside shoulders and ditches stabilized
- vi. Number and location of stormwater outfall areas remediated from scouring conditions
- vii. Number and location of de-icing salt and sand storage areas covered or otherwise improved to minimize stormwater exposure
- viii. Estimated (in tons) of salt and sand used for snow and ice control
- ix. Number of canine parks located at least 150 feet away from a surface water body
- x. Estimated amount of material by weight collected from
 - Street sweeping
 - Catch Basins
 - Trash Racks
 - Other structural BMP

Section 7.0 FUNDING SOURCES

The members of the Partnership implemented a stormwater fee in 2007. The fee is based on an Equivalent Residential Unit (ERU). Originally, the ERU was set at 2,800 square feet of impervious surface, based on a national average. An investigation by AMEC Earth and Environmental found that the ERU for Elkhart County should be 3,600 square feet, and fee ordinances are being changed to reflect that for the 2011 bill. The fee was set at \$15 per ERU per year, with single-family residences assigned one ERU.

In addition, there is a filing fee of \$100 per disturbed acre charged to new construction sites when they submit a SWPPP. A renewal fee of \$100 is charged annually to projects that last longer than two years.

TABLES

TABLE 1
SUBBASIN IDENTIFICATION
WATER QUALITY SAMPLE LOCATION NUMBER
AND E. COLI RESULTS
STORMWATER QUALITY MANAGEMENT PLAN
GREATER ELKHART COUNTY MS4 AREA
PART C: PROGRAM IMPLEMENTATION

Subbasin Number	Location of Sample	TDS (mg/L)	Number of Samples	5-year Median E coli (CFU/100ml)	Number of Ecoli Exceedances (CFU per 100ml > 235)
3	Christiana Creek	—	3	51	0
3	Christiana Creek	—	9	69	1
4	Simonton Lake	204	71	8	2
4	Simonton Lake	194	85	17	1
5	Heaton Lake	199	101	6	0
5	Heaton Lake	197	55	21	2
7	Little Elkhart River	—	4	93	1
7	St. Joseph River	393	110	20	0
9	Little Elkhart River	—	9	35	1
12	St. Joseph River	281	240	53	31
13	Crawford Ditch	—	8	1,414	3
14	St. Joseph River	330	35	90	1
14	St. Joseph River	273	240	60	37
14	St. Joseph River	274	258	83	27
15	St. Joseph River	270	239	40	8
15	St. Joseph River	—	10	70	1
20	St. Joseph River	266	85	66	6
20	St. Joseph River	—	6	140	0
22	Elkhart River	—	4	76	1
22	Elkhart River	318	18	149	6
22	Elkhart River	—	173	160	60
22	Elkhart River	414	121	70	2
23	Elkhart River	256	234	134	69
23	Elkhart River	—	10	120	0
24	Pine Creek	—	8	215	1
24	Pine Creek	—	9	200	2
26	Yellow Creek	470	14	770	3
26	Yellow Creek	—	9	60	1
26	Yellow Creek	—	3	96	1
27	Elkhart River	—	10	100	1
29	Elkhart River	321	23	166	9
29	Elkhart River	321	23	345	16
29	Elkhart River	—	26	99	1
29	Elkhart River	—	5	400	3
30	Rock Run Creek	—	10	170	2
30	Rock Run Creek	—	3	410	3
30	Rock Run Creek	—	5	1,200	5
33	Elkhart River	—	10	110	1
33	Elkhart River	—	3	21	1
36	Elkhart River	384	104	185	1

TABLE 2
SUBBASIN IDENTIFICATION
DRAINAGE AND IMPERVIOUS AREA
POTENTIAL POLLUTANT SOURCES AND NUMBER OF BEST MANAGEMENT PRACTICES
STORMWATER QUALITY MANAGEMENT PLAN
PART C: PROGRAM IMPLEMENTATION
GREATER ELKHART COUNTY MS4 AREA

Subbasin	Drainage Area (mi ²)	Impervious Area (mi ²)	Pollutant Sources	Number of BMPs
1	7.44	0.39	2	12
2	6.59	1.22	26	6
3	9.35	2.45	32	5
4	7.38	1.23	13	3
5	10.36	0.64	18	-
6	3.36	0.02	-	-
7	9.53	0.38	10	9
8	2.74	0.07	-	-
9	2.97	0.12	6	3
10	1.45	0.11	-	1
11	0.68	0.09	-	2
12	1.80	0.22	-	4
13	0.88	0.16	-	1
14	5.26	2.18	59	1
15	0.17	0.06	4	-
16	0.07	0.02	1	-
17	0.29	0.09	4	-
18	0.09	0.08	3	-
19	5.04	1.48	23	11
20	5.77	0.25	4	9
21	15.23	1.93	17	17
22	7.12	2.63	47	9
23	9.12	0.81	3	3
24	30.84	0.42	12	29
25	7.75	0.02	1	-
26	8.17	1.18	4	3
27	4.09	0.47	2	1
28	6.63	0.34	25	-
29	7.36	1.85	54	9
30	6.49	1.36	20	7
31	1.48	0.01	-	-
32	3.34	0.01	2	-
33	5.42	0.26	2	10
34	15.28	0.65	15	8
35	2.68	0.03	1	-
36	6.77	0.06	1	2
37	6.72	0.24	4	-