Storm Water Quality Management Plan

for

Shelbyville, Indiana

Part C: Program Implementation Report

January 31, 2005

MS4 Operator
Timothy A. Lawson, P.E.
Shelbyville City Engineer
44 West Washington Street
Shelbyville, IN 46176
Ph: 317-392-5102
Fx: 317-392-5110
tlawson@cityofshelbyvillein.com

Consultant Facilitator:

Amy R. Moore, P.E.
Butler, Fairman and Seufert, Inc.,
8450 Westfield Boulevard, Suite 300
Indianapolis, IN 46240
Ph: 317-713-4615
Fx: 317-713-4616
amoore@bfsengr.com

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Appendices

Section One: Program Development

A. Introduction

In October 2001 the Mayor of Shelbyville established a Municipal Separate Storm Sewer System (MS4) Advisory Committee to begin preparing for what became 327 IAC 15-13 "Rule 13". This MS4 Advisory Committee (advisory committee) has included representatives from the Board of Public Works and Safety, Common Council, Engineering, Planning & Building, Street Department, Wastewater Treatment Plant, Soil & Water Conservation District, Shelby County Solid Waste, and Indiana Department of Natural Resources. From time to time members of the general public, the Clerk-Treasurer, City Attorney and financial advisor also participated on this committee

One of the first tasks of the advisory committee was to determine what existing programs or activities within the City may be incorporated within any of the six minimum control measures (MCMs) identified in Rule 13. The advisory committee members representing municipal departments were asked to provide information about existing programs that may relate to each of the MCMs. Additionally, the advisory committee brain-stormed to consider other, non-municipal or private activities that may also apply to the MCMs.

B. Initial Evaluation of Storm Water Program

The Best Management Practices (BMPs) already in-use in Shelbyville are listed below, categorized by MCM:

	Activity	Description	Department
MCM #1			
1)	The Incredible Journey	Learn about water cycle	SWCD
2)	What's a Watershed	Model watershed w/effects of pollution	SWCD
3)	Musical Trash	Differences of reusable, recyclables, & trash	SWCD
4)	Edible Landfill	Landfill vs. dump	SWCD
5)	Recycling	Video - items recyclable in Shelby Co.	SWCD
6)	Reuse	Video - reuse more helpful than recycling	SWCD
7)	Reduce	Video - reduce trash generated	SWCD
8)	Trash Talk!	5th Grade Students receive newsletter	SWCD
MCM#2			
1)	America Recycles Day	3rd Grade Students - @ Coliseum	SWCD
2)	Pollution Prevention Center	Local depository in Selbyville	Solid Waste Management District (SWMD)
3)	Scrap Tire Round-Up	Annual event to accept used tires	SWMD
4)	Heavy Trash Curb-side Pick-up	Larger items such as appliances / furniture not normally accepted are allowable semi-annually	Street Department
MCM#3			
1)	Public Calls - Pollution Concern	Inspect & Follow-up	Planning
2)	Vehicles Leaking Fluids (Abandoned/Accident)	Notify appropriate dept, then clean-up	Police/Fire/Street

Activity (cont.)	Description (cont.)	Department (cont.)
MCM#3		
3) Inspection of Hazardous Materials	Building & Industrial Site Inspections	Fire
4) Illegal oil changing in Parks	Parks Inspection / Security	Parks
5) BMP / Outlet Inspections	Semi-annual visual inspections	Street/Planning
MCM#4		
1) Erosion Control Requirements	Required in Developer Handbook	Planning/Building
2) Plan Review	Review for Ordinance Conformance	Planning/Engineering
3) On-Site Inspections	Visit Sites Regularly	Planning/Engineering/Street
4) New Const. in Parks	Includes Erosion Control Measures	Parks
MCM#5		
1) Zoning & Subdivision Ordinance Updates	2003 Update to reflect current planning trends / requirements	Planning/Building
2) Flood Hazard Area Standards		Planning/Building
3) Environmental Standards	Land suitability for types of development	Planning
4) Reduce Development Imperviousness	Additional requirements for landscaping, buffering and/or screening	Planning
MCM#6		
1) Street Sweeping	Weekly rotation approx 80% street miles	Street
2) Storm Sewer Cleaning	Annually - approx. 35%	Street
3) Catch Basin Cleaning	Annually - approx. 60%	Street
4) Parks - Lawn Chemical Use	Professional applicator for lawn fertilization and chemical application & disposal	Parks
5) Fire site - protect MS4s	Dikes/dams to contain, then absorbent to collect	Fire
6) Leaf Season Collection	Curb-side Pick-up, as-needed	Street

In addition to the existing program and activity inventory compiled near the beginning of the MS4 Program development process, listed above, structural BMPs used within Shelbyville were identified during the Baseline Characterization and Report phase. Within Shelbyville, development is required to provide detention basins. Both wet-bottom and dry-bottom basins are allowed, so developments may achieve water quality benefits due to sediment settling or filtration / infiltration. Other major BMPs in use are well-vegetated grass swales, catch basins with sumps, and rock check dams and are well-distributed throughout Shelbyville to benefit the identified receiving waters.

C. Baseline Characterization & Report Update

Shelbyville MS4's initial Baseline Characterization and Report was submitted to the Indiana Department of Environmental Department (IDEM) on May 3, 2004. On July 31, 2004 the Shelbyville MS4 Operator received a Notice of Deficiency (NOD) letter from IDEM. On August 4, 2004 the Shelbyville MS4 Operator received a 2nd NOD from IDEM (the first one was actually for and named the Town of St. John, Shelby County receiving waters.) On August 30, 2004 the MS4 Operator responded to IDEM with a letter refuting the NOD and addressing each of the points in the 2nd NOD letter. As of the date of this writing, no follow-up correspondence to Shelbyville's response has been received from IDEM.

As stated in both the original Baseline Characterization and Report and the response letter, the MS4 Operator will continue to review data for receiving waters and report any changes annually, as required. On receiving waters where limited data is available, further investigation will be done throughout the permit period, including increased physical monitoring within the Illicit Discharge Detection and Elimination program and as additional data becomes available from other sources.

D. Description of MS4

1) Area

The Shelbyville MS4 Area includes all of the land area inside the incorporated limits of the City of Shelbyville, Shelby County, Indiana. A map depicting this area is included as Appendix A. The Shelbyville MS4 Area will increase as new areas are annexed into the corporate limits. An updated map will be submitted with each Annual Report.

2) Conveyance

Currently, it is estimated that the Shelbyville MS4 includes:

288,070 linear feet of storm sewer pipe, and
2,430 catch basin / storm drains

Section Two: Minimum Control Measures (MCM)

A. Public Education and Outreach MCM

1) Program Description

The Shelbyville Public Education and Outreach Program will include existing programs and activities as well as new ones to be implemented throughout the permit term. The Shelbyville MS4 Operator will be partnering with the Shelby County Soil and Water Conservation District (SWCD) and the Solid Waste Management District (SWMD) to implement much of the Public Education and Outreach program. Many educational activities are already in place and anticipated to continue. (See Section 1.B, pg 1) In 2002 the Shelbyville Street Department and the SWCD jointly purchased adhesive stickers to install on the storm structures. These stickers will be utilized also in MCM Nos. 2 & 3. New initiatives to reach multiple types of population are included within the BMPs outlined below. A follow-up survey will be distributed at the end of the first permit term to determine if these activities raise awareness to increase the percentage of respondents and/or the understanding and awareness of storm water quality issues.

2) Initial Assessment

The Shelbyville MS4 Advisory Committee developed a community survey to obtain initial assessment information from within the community. Prior to publishing the one-page survey, several newspaper articles were published in the local newspaper, *'The Shelbyville News'*. Additionally, advertisements were placed in the newspaper each weekday prior to the Friday, March 8, 2002 distribution of the survey. Along with *'The Shelbyville News'*

circulation, the MS4 Advisory Committee also arranged with the local internet-providers to distribute a mass-email to Shelbyville customers to send the survey directly to e-mail subscribers.

Completed surveys were accepted at the Utility Billing office, through mail to City Hall, or using the e-mail form. Fifty-two (52) completed surveys were returned. The surveys sought insight into the general understanding of respondents to storm water, its collection, and water quality. The survey results were then used to assist the MS4 Advisory Committee in developing strategy, goals and objectives for the MS4 Program.

3) Measurable Goals

BMP No. 1:	Increase Public Awareness of Stormwater Issues
Target Audience:	**General Public, Residents, Visitors**
Measurable Goal:	Publish an article in *'The Shelbyville News'* every-other month highlighting an activity or best management practice identified in SWQMP-Part C being implemented, beginning in permit year #2.
BMP No. 2:	Increase Public Awareness of Stormwater Issues
Target Audience:	**Residents, Commercial & Industrial Facilities**
Measurable Goal:	Participate in the annual Shelbyville Trade Fair with booth, hand-out material, receive questions/educate attendees on current MS4 Program activities.
BMP No. 3:	Educate students about storm water and water quality
Target Audience:	**2nd Grade Students with Shelbyville Central Schools**
Measurable Goal:	Beginning in permit year #1, annually present the water cycle and how household/everyday human activities can affect water quality. Follow-up each year (after initial year) with a survey for 3rd graders to determine retention of topic and if they've contributed to change in behavior personally or within their family.
BMP No. 4:	Increase awareness of local Construction requirements that relate to storm water.
Target Audience:	**Developers, Contractors, Builders**
Measurable Goal:	Create a Development Forum to allow interaction between MS4 personnel and target audience to create an understanding of local requirements, coordination and expectations, especially related to erosion and sediment control and permitting. Forum to be developed in permit year #2, then held semi-annually thereafter. Encourage participation a minimum of one time per year.

BMP No. 5:	Associate the Pollution Prevention Program with the MS4 Program and its connection to water quality.
Target Audience:	**Visitors, Residents, Commercial & Industrial Facilities**
Measurable Goal:	Distribute litter bags for cars. Potential distribution sites are car washes, the Pollution Prevention Center, the Trade Fair, or other specific locations where recipients can become aware of or reminded that litter and other pollutants should be properly disposed of to avoid adversely affecting the local water quality,

B. Public Participation and Involvement MCM

1) Program Description

Similar to the previous MCM, the Shelbyville Public Participation and Involvement program will include the continuation of existing programs, as well as development and implementation of new activities. The MS4 advisory committee will continue to be open to public participation as programs are assed, modified or developed during the permit term. Several special meetings were advertised and held in City Hall to present and discuss requirements and development of the MS4 Program. There were 5 public meetings held during program development and (in addition to advisory committee members) approximately 35 persons participated in these meetings.

One existing activity is the semi-annual clean-up of an approximate 1-mile long segment of the Little Blue River, from the Shelby County Fairgrounds to the confluence with Blue River. This river segment has been adopted by the SWCD and SWMD who facilitate this event.

2) Initial Assessment

See initial assessment information above in Section 2.A.2. Each survey invited interested individuals to participate in the development of the City's MS4 Program by contacting the Mayor's office for additional information. A follow-up survey will be distributed at the end of the first permit term to determine if these activities raise awareness to increase the percentage of respondents and/or the understanding and awareness of storm water quality issues.

3) Measurable Goals

BMP No. 1:	Provide Opportunity for Public Input to MS4 Program
Target Audience:	**General Public, Residents, Commercial & Industrial Facilities**
Measurable Goal:	Quarterly, and/or as required by law, allow public input during Utility Board and Common Council Meetings.
BMP No. 2:	Storm Drain Marking Program
Target Audience:	**General Public, Students**
Measurable Goal:	Cooperatively advertise and facilitate an annual 'Storm Drain Marking Day' with SWCD. By end of permit term, strive to have all applicable covers either marked with an adhesive sticker or pre-cast markings.

BMP No. 3:	Heavy Trash Program / Pollution Prevention Center
Target Audience:	**Residents**
Measurable Goal:	Annually track amount (tons) of material collected. Review results of follow-up assessment survey to determine if participation has increased.

C. Illicit Discharge Detection and Elimination MCM

1) Program Description

To accomplish this MCM, the storm sewer system must first be known. The City completed GPS mapping of the storm sewer structures in 2004 and began adding additional structure data (i.e. pipe size, type, condition) and will continue this more detailed system evaluation using Engineering Department summer staff until complete. Ordinance No. 04-2515 'Ordinance Establishing Regulations for Stormwater Management' was adopted on October 18, 2004 to include the requirements within 327 IAC 15-13-14. This ordinance gives local inspection and enforcement authority to the City.

The MS4 Operator and support staff will be responsible to implement the BMPs identified below. Through ordinance, additional mapping, development of a dry-weather outfall screening program as well as procedures to receive relevant public concerns or information, take action on it and document any findings. One of the MS4 Advisory Committee members represents both the Shelby County Solid Waste Management District and the Soil and Water Conservation District. Through this existing and on-going relationship, many programs already offered by these two agencies, including recycling and a household hazardous waste program, will continue and have become a part of the City's MS4 Program.

- Municipal employees will receive annual training related to hazards associated with illicit discharges and improper disposal of waste. This training will be provided by the MS4 Operator, his representative, and/or an applicable workshop or program.

2) Measurable Goals

BMP No. 1:	**Know MS4 System**
Timeline for Implementation:	In accordance with 327 IAC 15-13-14(b)(2)
Measurable Goal:	Complete structure locations within first 2 years of permit term. In following 3 years, enhance map with invert elevations and interior inspection reports / updates. Dedicate 750 staff-hours toward this effort annually until complete.
BMP No. 2:	**Complete Regular Outfall Inspections**
Timeline for Implementation:	In place. In permit year #2, documentation will be added.
Measurable Goal:	At least annually, each outfall is inspected; conditions, observations, findings and any actions taken will be documented.
BMP No. 3:	**Outfall Dry-Weather Screening Program**
Timeline for Implementation:	Beginning in permit year #2 to complete requirements of 327 IAC 15-13-14(e).
Measurable Goal:	The MS4 Operator and/or Street Department personnel will screen at least 25% of outfalls (> 12" pipe and/or 2' bottom ditch) annually so that each of these outfalls is screened within the initial permit term. Any problem areas found will be further investigated in effort to determine the source of the

discharge. Findings and resulting action and/or enforcement will be documented.

BMP No. 4:	**Enforce Stormwater Management Ordinance**
Timeline for Implementation:	Beginning on Effective Date (January 1, 2006)
Measurable Goal:	In 2nd year of permit, create and implement procedures for receiving, tracking and addressing issues non-conforming to the Ordinance. In subsequent years at least 50 staff hours will be available for inspection and enforcement activities. Discharges in violation of the Ordinance will be made public through reporting to the Shelbyville Utilities Board.

D. Construction Site Storm Water Runoff Control MCM

1) Program Description

Currently, the Building and Planning Department and the Engineering Department provide plan review and some on-site construction inspection of developing areas. The Shelby County Soil and Water Conservation District and the Indiana Department of Natural Resources provide Rule 5 review, inspection and enforcement. The City adopted the Stormwater Erosion and Sediment Control Ordinance on October 18, 2004, which incorporates 327 IAC 15-5 as required in 327 IAC 15-13-15(b) and allows local review, inspection and enforcement action by the City. Local construction will be required to include best management practices appropriate for the site and at least in accordance with the Indiana Erosion and Sediment Control Handbook for Developing Areas (to be re-named the Indiana Stormwater Quality Manuel).

Along with the new local permitting process, plan submittal will still be required to the SWCD/IDNR as part of the Technical Review Committee review and monthly meetings. Additionally, MS4 owned projects will begin including in the design requirements and/or the project specifications the additional requirements listed in 327 IAC 15-13-15 j & k.

When local permitting jurisdiction is granted, the Building and Planning Department will also begin to track public relations related to local construction activity. Inquiries, concerns or information received from the public will be logged, as applicable forwarded for inspection, and then response or findings added to the log/file. On-site inspections by the Building Inspectors or City Engineer/MS4 Operator will make use of a site erosion and sediment control evaluation form, based upon the current IDNR form in-use. Inspections will be prioritized based upon the stage, size and location of development and the site's proximity to MS4 receiving waters.

- Municipal employees will receive annual training related to proper usage of best management practices, as well as inspection and enforcement procedures. This training will be provided by the MS4 Operator, his representative, and/or an applicable workshop or program.

2) Measurable Goals

BMP No. 1:	Continue local oversight of new construction, and add permitting, inspection and enforcement of erosion and sediment control practices required in Indiana's Rule 5.
Timeline for Implementation:	Local ordinance adopted on October 18, 2004, while authority will begin upon notification by IDEM.
Measurable Goal:	For each construction site permit issued, the number of inspections completed as well as any enforcement actions taken will be documented.

BMP No. 2:	Include erosion and sediment control information and guidance to developers, builders and/or owners with required permits.
Timeline for Implementation:	When City receives permitting authority.
Measurable Goal:	Distribute an erosion and sediment control brochure or packet with each Location Improvement Permit and each Building Permit granted. Using existing literature from IDNR, or similar, initially, throughout the permit term, modify or enhance the packet distributed as appropriate to highlight good and proper use of practices or common mistakes being made and guidance in avoiding them. Document packet content and number distributed annually.
BMP No. 3:	Encourage or require local Developers / Builders to participate in annual training regarding selection and use of erosion and sediment control practices.
Timeline for Implementation:	not earlier than January 1, 2006 or six months after City receives local permitting authority.
Measurable Goal:	Document attendance at local forum (see Public Education and Outreach BMP#4, pg 4) and/or other training course. Correlate public complaints and site enforcement actions with developer/builder to determine program stringency and/or any modifications needed to the local forum.

E. Post-Construction Site Storm Water Runoff Control MCM

1) Program Description

As noted in Section 1.B., the Zoning and Subdivision Control Ordinances were revised and readopted in 2003. Many practices and guidelines already in the current requirements will be useful in this program. In permit year #2 these documents as well as other planning or water quality practices will be reviewed prior to certification of this program. Additional policies or requirements necessary to fully implement this program will be developed during 2005.

F. Municipal Operations Pollution Prevention and Good Housekeeping MCM

1) Program Description

Most activities and requirements of this program fall within the Street Department's existing services. As needed throughout the development of the program, additional documentation or activities have been included within these services.

As noted in Section One, prior to MS4 implementation, the City provided regular street sweeping, catch basin cleaning and leaf pick-up. Additional municipal operations noted within Section One are provided by the Fire Department and Parks department relative to chemical use and containment.

Maintenance activities to reduce pollutants from discharging through the MS4 are in-place within Shelbyville. Litter, sediment and other automotive pollutants affecting the receiving waters are reduced by the existing storm sewer and structure cleaning program as well as the street sweeping program. All urban City streets are swept one time per week and rural City streets are swept three times per year. Rural roadway shoulders and other vegetated City rights-of-way are regularly mowed and, as needed, repaired or stabilized. Additionally outfalls, especially along Big Blue and Little Blue Rivers, are inspected 2-3 times per year to check for and, if necessary, address scouring.

In addition, municipal operational areas have been evaluated for compliance with the requirements of Section 17.B.2 of Rule 13. Those areas determined to be missing or

unable to meet the requirements of this minimum control measure will be modified or amended during the initial permit term. The City uses salt and sand for roadway de-icing and both are kept covered. The City does not have its own fuel station, so retail establishments used. Other potential polluting materials used are addressed through verbal direction of standard operating procedures, documentation will be developed. The vehicle maintenance area is effective in reducing sediments from entering the MS4, but will need some modification or improvement to address chemicals, salts, etc. When concrete is used, tools are washed over a bucket or barrel, then after dry, the waste is taken to the local landfill. Asphalt activities within the city are generally privately contracted; when City personnel do use it, clean-up occurs at the local private asphalt plant in accordance with their procedures. When pesticides and/or fertilizers are needed within City rights-of-way or Parks, they are applied by a private contractor. The City's Animal Shelter is connected to the sanitary sewer system and there are no canine parks within Shelbyville.

Street Department personnel are instructed annually, or as needed, types of items that may be included in the usual trash pick-up, and those which are 'Hazardous Waste'. Then, when encountered, these items are not picked-up. Vegetative waste is collected and stockpiled separately and used to create mulch for use and distribution. Chemical sprays, when used, are applied by private contractors, so no personnel training will be necessary.

- Annually, municipal employees will be instructed to recognize best management practices in-place relative to their job. As BMPs are modified or added, employees will be made aware. A written record of such training through certification, attendance at municipal training sessions, or other MS4 Operator approved activities will also be included in records kept to implement this program.

2) Measurable Goals

BMP No. 1:	**Street Sweeping**
Timeline for Implementation:	Current developing program to continue throughout the permit term.
Measurable Goal:	Each municipal street is scheduled to be swept monthly, except when winter weather deems impractical. A sweeper log will document this practice.
BMP No. 2:	**Increase structure and stormwater conveyance maintenance program.**
Timeline for Implementation:	Beginning in permit year #2.
Measurable Goal:	Initially, approximately 60% of the structures are cleaned annually. Within the permit term, add an additional 10% annually until 100% is achieved. Develop a routine storm sewer cleaning schedule to clean at least 20% of the MS4 each year until all have been cleaned. Once 100% have been cleaned, use historic documentation to assess and identify maintenance frequency necessary to reduce floatables and other pollutants discharged from the MS4, prevent scouring, and other pollutants discharged from the MS4.

BMP No. 3:	**Minimize salt, sand, pesticide and fertilizer use**
Timeline for Implementation:	Established program to continue throughout the permit term.
Measurable Goal:	Relative to local weather conditions, use of salt and sand will be minimized while continuing established safety levels. Usage amounts will be documented. As more environmentally friendly alternative materials are developed or become available, de-icing will be accomplished by increasing relative percentage to total use of alternative materials while reducing the relative percentage to total of salt and sand used.

Section Three: Programmatic Indicators

For each programmatic indicator used, the location within this report where it is addressed is indicated in *italics*. If information is not already included in this report, an update will be included in the Annual Report. If the programmatic indicator will not be used, an explanation or alternative is indicated in *italics*.

A. Number or percentage of citizens, segregated by type of constituent that have an awareness of storm water quality issues.
   2.A.2, pg 3
B. Number and description of meetings, training sessions, and events conducted to involve citizen constituents in the storm water program.
   2.B.1, pg 5
C. Number or percentage of citizen constituents that participate in storm water quality improvement programs.
   2.B.1, pg 5
D. Number and location of storm drains marked or cast, segregated by marking method.
   2.B.-BMP#2, pg 5
E. Estimated or actual linear feet or percentage of MS4 mapped and indicated on an MS4 area map.
   2.C.-BMP#1, pg 6
F. Number and location of MS4 area outfalls mapped.
   2.C.-BMP#1, pg 6
G. Number and location of MS4 area outfalls screened for illicit discharges.
   2.C.-BMP#3 pg 6
H. Number and location of illicit discharges detected.
   2.C.-BMP#3 pg 6 and 2.C.-BMP#4 pg 7
I. Number and location of illicit discharges eliminated.
   2.C.-BMP#4 pg 7
J. Number of and estimated or actual amount of material, segregated by type, collected from HHW collections in the MS4 area.
   2.B.-BMP#3, pg 6 and 2.C.1, pg 6
K. Number and location of constituent drop-off centers for automotive fluid recycling.
   2.B.-BMP#3, pg 6
L. Number or percentage of constituents that participate in the HHW collections.
   2.B.-BMP#3, pg 6 and 2.C.1, pg 6
M. Number of construction sites obtaining an MS4 entity-issued storm water run-off permit in the MS4 area.
   2.D.-BMP#1, pg 7
N. Number of construction sites inspected.
   2.D.-BMP#1, pg 7
O. Number and type of enforcement actions taken against construction site operators.
   2.D.-BMP#1, pg 7
P. Number of, and associated construction site name and location for, public informational requests received.
   2.D.1, pg 7
Q. Number, type, and location of structural BMPs installed.
   2.E.1, pg 8
R. Number, type, and location of structural BMPs inspected.
   2.E.1, pg 8
S. Number, type, and location of structural BMPs maintained or improved to function properly.
   2.E.1, pg 8
T. Type and location of nonstructural BMPs utilized.
   2.E.1, pg 8

U. Estimated or actual acreage or square footage of open space preserved and mapped in the MS4 area, if applicable.
2.E.1, pg 8

V. Estimated or actual acreage or square footage of pervious and impervious surfaces mapped in the MS4 area, if applicable.
Will be available from stormwater utility database

W. Number and location of new retail gasoline outlets or municipal, state, federal, or institutional refueling areas, or outlets or refueling areas that replaced existing tank systems that have installed storm water BMPs.
2.E.1, pg 8

X. Number and location of MS4 entity facilities that have containment for accidental releases of stored polluting materials.
2.F.1, pgs 8&9

Y. Estimated or actual acreage or square footage, amount, and location where pesticides and fertilizers are applied by a regulated MS4 entity to places where storm water can be exposed within the MS4 area.
2.F.1, pg 9

Z. Estimated or actual linear feet or percentage and location of un-vegetated swales and ditches that have an appropriately-sized vegetated filter strip.
2.E.1, pg 8

AA. Estimated or actual linear feet or percentage and location of MS4 conveyances cleaned or repaired.
2.F.-BMP#2, pg 9

BB. Estimated or actual linear feet or percentage and location of roadside shoulders and ditches stabilized, if applicable.
2.F.1, pg 8

CC. Number and location of storm water outfall areas remediated from scouring conditions, if applicable.
2.F.1, pg 8

DD. Number and location of deicing salt and sand storage areas covered or otherwise improved to minimize storm water exposure.
2.F.1, pg 9 (1 - Street Department, Hale Road)

EE. Estimated or actual amount, in tons, of salt and sand used for snow and ice control.
2.F.-BMP#3, pg 10

FF. Estimated or actual amount of material by weight collected from catch basin, trash rack, or other structural BMP cleaning.
2.F.-BMP#2, pg 9

GG. Estimated or actual amount of material by weight collected from street sweeping, if utilized.
2.F.1, pg 9

HH. If applicable, number or percentage and location of canine parks sited at least one hundred fifty (150) feet away from a surface waterbody.
Not Applicable

APPENDIX A

State Certification Forms

APPENDIX B

Map of MS4 Area

APPENDIX C

Stormwater Budget

APPENDIX D

Regulatory Mechanisms

Regulations for Stormwater Management, Ordinance No. 04-2515
and
Stormwater Erosion and Sediment Control, Ordinance No. 04-2514

APPENDIX E

Active Industrial Facilities

APPENDIX F

Sample Schedules