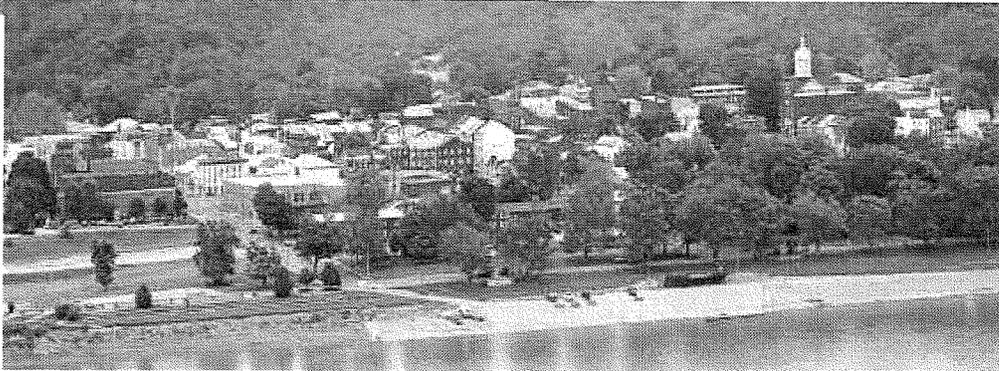


**City of Madison, Indiana
Storm Water Quality Management Plan
Permit Year 4 Annual Report**



Permit # INR040061

May 6, 2008

**RULE 13 ANNUAL REPORT**

State Form 51278 (R2 / 11-03)
 INDIANA DEPARTMENT OF ENVIRONMENTAL
 MANAGEMENT

For questions regarding this form, contact:

IDEM – Rule 13 Coordinator
 100 North Senate Avenue, Rm 1255
 P.O. Box 6015
 Indianapolis, IN 46206-6015
 Phone: (317) 234-1601 or
 (800) 451-6027, ext. 41601 (within Indiana)
 Web Access:
<http://www.in.gov/idem/water/npdes/permits/wetwthr/storm/rule13.html>

NOTE:

- In order to comply with 327 IAC 15-13-18, annual reports must be submitted to the Indiana Department of Environmental Management. Failure to submit this form will be considered noncompliance with your permit.
- For the first five (5)-year permit term, this completed form must be submitted by 1 year from the SWQMP – Part C submittal date and, thereafter, 1 year from the previous report (i.e., in years two (2) through five (5) of permit coverage).
- In the second and subsequent five (5)-year permit terms, this completed form must be submitted in years two (2) and four (4) of permit coverage, by 1 and 3 years from the SWQMP – Part C resubmittal date.
- Please type or print in ink.
- Please answer all questions thoroughly and return the form by the due date.
- Return this form and any required addenda to the IDEM Rule 13 Coordinator at the address listed in the box on the upper-right.

**REPORTING
 YEAR
 (Check one)**

- 2005
 2006
 2007
 2008
 2009
 2010
 2011
 2012
 2013

PART A: GENERAL INFORMATION – MS4 OPERATOR

1. Report Completed By: Honorable Tim Armstrong, Mayor
 (MS4 Operator — i.e., name of permit holder)

2. Permit Number: **INR 0 4 0 061**

3. Mailing Address
 Street Address: 101 W. Main St.
Madison, IN 47250
(812) 265-8312

City **Of:** Madison Zip: 47250 County: Jefferson
 Town

PART B: GENERAL INFORMATION – CONTACT PERSON

4. Contact Person Name (please print): Mr. Randy Eggenspiller

5. Contact Person Title: Public Works Director/City Engineer

6. Phone Number: (812) 265-8326

7. Facsimile Number (if applicable): (812) 273-0575

8. E-mail Address (if applicable): utilitymanager@madison-in.gov

PART C: CONTROL MEASURE ACTIVITIES

9. For the following items, please provide a summary of control measure activities related to Rule 13 performed during the previous year.

List any updated measurable goals from the SWQMP, compliance activities, BMPs installed or initiated, updated programmatic indicator data, and updated or developed regulatory mechanisms with effective dates.

- Public Education and Outreach:

See Chapter 1. Public Education and Outreach.

- Public Involvement and Participation:

See Chapter 2. Public Involvement and Participation.

- Illicit Discharge Detection and Elimination:

See Chapter 3. Illicit Discharge Detection and Elimination.

- Construction Site Storm Water Run-off Control:

See Chapter 4. Construction Site Run-off Control.

- Post Construction Storm Water Management in New Development and Redevelopment:

See Chapter 5. Post Construction Stormwater Management.

- Pollution Prevention and Good Housekeeping for Municipal Operations:

See Chapter 6. Pollution Prevention and Good Housekeeping.

- Other controls:

None.

10. List all receiving water(s) and corresponding outfall(s) not submitted in the original NOI letter (form):

None.

11. Provide any data regarding the following programmatic indicators, since the previous annual report (Attach separate sheets as necessary, and indicate, as appropriate, the rationale behind not using a listed indicator):

| |
|---|
| i. Number or percentage of citizens that have an awareness of stormwater quality issues: |
| <ul style="list-style-type: none"> An educational stormwater brochure was posted on Madison's webpage and made available in City Hall during PY04. See Appendix 1.1 for details. An educational stormwater poster was posted in City Hall during PY04. See Appendix 1.2 for details. The City of Madison developed educational content for a stormwater webpage. That web-based information was linked to Madison's existing website throughout PY04 (http://www.madison-in.gov/). Fact sheets concerning erosion and sediment control practices for construction sites were included with all new construction permits. Details concerning silt fence construction are included in these fact sheets. See Appendix 4.3 for details. Stormwater quality was discussed at four (4) city council meetings. |
| ii. Number and description of meetings, training sessions, and events conducted to involve citizens: |
| <ul style="list-style-type: none"> The Lower West End Beautification Project ran from April to November 2007 in cooperation with the Jefferson County Highway Department. 2,150 tires and 20 tons of scrap metal were recycled. 120 tons of trash and 100 tons of brush were collected and disposed of properly. An area of Heritage trail was graded and excavated in an effort to reduce erosion. As a part of the River Sweep program in cooperation with Jefferson County, the City of Madison provided trucks to collect and haul away litter and trash gathered by volunteers. Fact sheets concerning erosion and sediment control practices for construction sites were included with all new construction permits. Details concerning silt fence construction are included in these fact sheets. See Appendix 4.3 for details. Stormwater quality was discussed at four (4) city council meetings. |
| iii. Number or percentage of citizens that participate in stormwater quality improvement projects: |
| <ul style="list-style-type: none"> The Lower West End Beautification Project ran from April to November 2007 in cooperation with the Jefferson County Highway Department. 2,150 tires and 20 tons of scrap metal were recycled. 120 tons of trash and 100 tons of brush were collected and disposed of properly. An area of Heritage trail was graded and excavated in an effort to reduce erosion. As a part of the River Sweep program in cooperation with Jefferson County, the City of Madison provided trucks to collect and haul away litter and trash gathered by volunteers. |
| iv. Number and location of storm drains marked: |
| The City has marked a total of one hundred (100) storm drains to date. No storm drains in the City were marked during PY04. |
| v. Estimated or actual linear feet or percentage of MS4 conveyances mapped: |
| During PY04 39,955 feet (7.57 miles) of channels, 218,247 feet (41.33 miles) of ditches, and 52,036 feet (9.86 miles) of pipes were mapped, as well as 475 stormwater point features including: catchbasins, inlets, outlets, manholes, and outfalls. To date over seventy-five percent (75 %) of the MS4 system has been mapped. See Appendix 3.1 for details. |
| vi. Number and location of MS4 area outfalls mapped: |
| During PY04, sixteen (16) outfalls were mapped. To date a total of ninety (90) outfalls have been mapped. See Appendix 3.2 for locations. |
| vii. Number and location of MS4 area outfalls screened for illicit discharges: |
| During PY04, sixteen (16) outfalls were screened for illicit discharges. To date a total of ninety (90) outfalls have been screened for illicit discharges. See Appendix 3.2 for locations. |
| viii. Number and location of illicit discharges detected: |
| No illicit discharges were detected during PY04. |
| ix. Number and location of illicit discharges eliminated: |
| No illicit discharges were detected during PY04. |
| x. Number of, and estimated amount of material collected from, HHW collections: |
| One (1) household hazardous waste (HHW) collection site at the Jefferson Proving Grounds serves seven (7) counties including Jefferson, Franklin, Jennings, Ohio, Ripley, Scott, and Switzerland. Approximately sixty (60) to seventy-five (75) households participated in HHW program during PY04. |
| xi. Number and location of citizen drop-off centers for automotive fluids: |
| Two (2) municipal facilities accept automotive fluids. Jefferson Proving Ground – Southeastern Indiana Solid Waste Management District (SISWMD) Recycling Center located at 6556 N. Shun Pike Rd in Madison and Jefferson County Highway Garage located at 1315 Clifty Drive, Madison, IN. Several retailers also accept automotive fluids. |
| xii. Number or percentage of citizens that participate in HHW collections: |
| Approximately sixty (60) to seventy-five (75) households participated in HHW program during PY04. |
| xiii. Number of construction sites permitted for stormwater quality: |
| Four (4) construction sites were permitted during PY04. See Appendix 4.1 for details. |
| xiv. Number of construction sites inspected: |
| Four (4) construction sites were inspected during PY04. On one occasion the inspectors requested corrections be made concerning site grading and erosion controls, and these corrections were promptly implemented by the construction site coordinator. See Appendix 4.2 for details. |
| xv. Number and type of enforcement actions taken against construction site operators: |

None to date. On one occasion the inspectors requested corrections be made concerning site grading and erosion controls, and these corrections were promptly implemented by the construction site coordinator. See **Appendix 4.2** for details.

xvi. Number of public informational requests received related to construction sites:

None through the City.

xvii. Number, type, and location of structural BMPs installed:

- Two (2) privately-owned post-construction BMPs were installed during PY04 as required by the Post-Construction Ordinance. Both BMPs are detention / sediment basins associated with new development. In each case, the developer owns the BMP and is responsible for operation and maintenance.
- The City is currently developing a design for pervious pavement with properly sized vegetative buffer strips to improve water quality in a specific area.

xviii. Number, type, and location of structural BMPs inspected:

The ponds at the City's golf courses and the small lake at Johnson Lake Park were functioning properly during PY04, and no maintenance was required or performed.

xix. Number, type, and location of structural BMPs maintained, or improved, to function properly:

The ponds at the City's golf courses and the small lake at Johnson Lake Park were functioning properly during PY04, and no maintenance was required or performed.

xx. Type and location of non-structural stormwater quality BMPs utilized:

All required stormwater ordinances are in place and are being enforced.

xxi. Estimated acreage or square footage of open space preserved and mapped:

City of Madison currently maintains 277 acres of preserved open space.

xxii. Estimated acreage or square footage of mapped pervious and impervious surfaces:

Data was not available.

xxiii. Number and location of retail gasoline outlets or municipal, state, federal, or institutional refueling areas with installed BMPs:

At the City Garage, bulk storage materials (oil and antifreeze) are stored in a containment facility. Gas & Diesel underground storage tanks (USTs) are registered through IDEM and feature modern leak detection equipment. The Madison Treatment Plant features above ground storage spill containment. Two (2) retail gasoline outlets feature electronic spill and inventory control.

xxiv. Number and location of entity facilities that have containment for accidental releases:

At the City Garage, bulk storage materials (oil and antifreeze) are stored in a containment facility. Gas & Diesel underground storage tanks (USTs) are registered through IDEM and feature modern leak detection equipment. The Madison Treatment Plant features above ground storage spill containment. Two (2) retail gasoline outlets feature electronic spill and inventory control.

xxv. Estimated acreage or square footage and location where pesticides and fertilizers are applied by the regulated MS4 entity:

During PY04, all fertilizers and pesticides were applied by Certified Pesticide Applicators. Spot treatment of fertilizers and/or pesticides occurred as needed on the following areas: golf courses; Rucker sports complex; Johnson Lake Park; Lamplighter Park; Broadway Street medians; downtown streets and curb areas.

xxvi. Estimated linear feet or percentage and location of unvegetated swales and ditches that have an appropriately-sized vegetated filter strip:

The Sunrise Golf Course features buffer zones between 10-ft and 80-ft wide along all creeks and ditches.

xxvii. Estimated linear feet or percentage and location of MS4 conveyances cleaned or repaired:

In PY04 approximately 90% of the city's catch basins and grates were cleaned.

xxviii. Estimated linear feet or percentage and location of roadside shoulders and ditches stabilized:

During PY04, swales on Maple Hill were regraded and reseeded in an effort to improve drainage.

xxix. Number and location of stormwater outfall areas remediated from scouring conditions:

None in PY04.

xxx. Number and location of de-icing salt and sand storage areas covered or otherwise improved to minimize stormwater exposure:

Salt was stored in a 450 ton capacity covered building at the City Garage located at 1215 Walnut St, Madison, IN 47250.

xxxi. Estimated amount, in tons, of salt and sand used for snow and ice control:

In PY04, approximately 850 tons of salt were used for snow and ice control in Madison. 150 to 175 tons of salt remain in stock.

xxxii. Estimated amount of material by weight collected from catch basin, trash rack, or other structural BMP cleaning:

Approximately 12,040 pounds of material were removed from the City MS4 during PY04.

xxxiii. Estimated amount of material by weight collected from street sweeping:

An estimated 8,000 pounds of material was collected in PY04 from street sweeping. Leaf pickup collected an estimated 1,000,000 pounds of material. See **Appendix 6.1** for more details. The street sweeping schedule was updated. See **Appendix 6.3** for details.

xxxiv. Number or percentage and location of canine parks sited at least 150 feet away from a surface water body:

A new one-acre canine park, Madison Riverfront Dog Park, opened in Madison's downtown at the corner of Mill and Vaughn Streets. This park is a former brownfield cleanup site and is located approximately one hundred fifty (150) feet from the Ohio River. The area between the park and the river is a vegetated riparian buffer consisting of mature hardwood trees.

PART D: MISCELLANEOUS INFORMATION

12. On-Going Water Quality Characterization Activities

The City of Madison conducted a bioassessment study to obtain water quality data for the watersheds involved in the stormwater program. The initial testing of the MS4's waterways was completed to develop a baseline characterization which was reported in the City's Part B submission. The goal of the monitoring program was to develop an assessment of structural and non-structural BMPs along with maintaining BMPs currently used, to reduce pollution in these waterways. The next bioassessment study will be conducted during the second to third quarter of 2008.

13. Discuss any problems encountered during this period (include any BMP changes in response to problems encountered).

None.

14. Identify any new funding source(s) for implementing this permit.

Throughout PY04, the City of Madison was funding Storm Drainage Improvement Projects and the Phase II Stormwater Program with Sewer and Street funds. The City is exploring options for a Stormwater Utility in 2008 and if approved, anticipates initiating implementation in 2009.

15. Identify any non-routine (i.e. do not include routine maintenance or cleaning) budgetary transactions related to your permit. List all stormwater improvement projects started during this reporting period.

Two (2) Storm Drainage Improvement Projects occurred during PY04.

- Mouser Street: Stormdrains were installed along the street leading down to Johnson Lake, in an effort to minimize the amount of water freezing on the street surface.
- Maple Hill: Swales were regraded and reseeded in an effort to improve drainage.

16. Provide a summary of complaints received and the follow-up actions taken in reference to stormwater quality issues.

None.

17. Implementation status:

a. Are the six minimum control measures being implemented within the compliance schedule and SWQMP timetables?

Yes No*

* If no, explain:

b. Do you foresee any problems which may affect full implementation of all the measures?

Yes No*

* If yes, explain:

c. Are the six minimum control measures meeting percent reduction goals specified in the SWQMP?

Yes No*

* If no, explain:

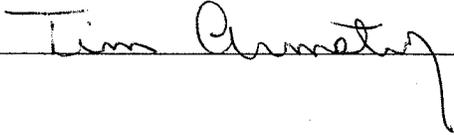
PART E: CERTIFICATION AND SIGNATURE

► The individual completing this report, listed in "PART A: GENERAL INFORMATION – MS4 OPERATOR" must sign the following certification statement:

"By signing this Rule 13 annual report, I hereby certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Type or

Print Name: Honorable Tim Armstrong, Mayor

Signature: 

04-30-2008
(mm/dd/year)

City of Madison, Indiana Stormwater Quality Management Plan Permit Year 4 Annual Report

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City of Madison, Indiana Stormwater Quality Management Plan Permit Year 4 Annual Report

Acknowledgements

The following individuals and organizations have participated in the development of the City of Madison's Storm Water Quality Management Plan and Annual Report:

Mayor

Honorable Tim Armstrong

City Council

Bob Schoenstein

Bob May

Jim Lee

Pete Backus

Damon Welch

Ricky Barry

Darrell Henderson

Board of Public Works and Safety

Tim Armstrong

Bob Schoenstein

Bob May

Public Works and Utilities Director

Randy Eggenspiller, Public Works Director / City Engineer

City of Madison, Indiana Stormwater Quality Management Plan Permit Year 4 Annual Report

Introduction

This report summarizes the City of Madison, Indiana's efforts to implement its Storm Water Quality Management Plan (SWQMP) from **May 1, 2007 through April 30, 2008 (Permit Year 04)**. During the period, the City of Madison implemented the required components of the SWQMP as described herein.

The City of Madison is located in Jefferson County in southeastern Indiana along the north shore of the Ohio River, approximately 50 miles east of Louisville and 75 miles west of Cincinnati. The area along the City's riverfront consists of approximately 1,500 historic, residential, commercial and industrial structures. In this area, the Ohio River continues to serve as a major commerce route. The City of Madison and Jefferson County offer many opportunities for economic development, culture, and recreation. The most current population estimate for Madison is 12,443 (2005 census estimate). This is a slight increase from the 2000 census population of 12,004. The MS4 boundary area is approximately 8.9 square miles, resulting in a population density of 1,398 people per square mile. There are over 5,597 households within the MS4 area.

For the purposes of this report, the City of Madison's MS4 area refers to the entirety of the City's corporate boundary as illustrated in **Figure 1.1 Madison, Indiana MS4 Area Map**. The detailed corporate boundary map of the City of Madison is provided in **Introduction Appendix: Corporate Boundary Map of the City of Madison**.

Partnership with Hanover College

The City of Madison has partnered with the Rivers Institute at Hanover College to obtain assistance in the implementation of the SWQMP. Rivers Institute staff and student interns have assisted the City of Madison in the past on key tasks such as the development and implementation of the Public Survey and MS4 system mapping. During Permit Year 04 (PY04), the Rivers Institute was in the process of hiring a new executive director and was unable to assist with the implementation of the SWQMP. The City of Madison is exploring other options to reinvigorate this program. This did not have a negative impact on the City's ability to implement the SWQMP during PY04.

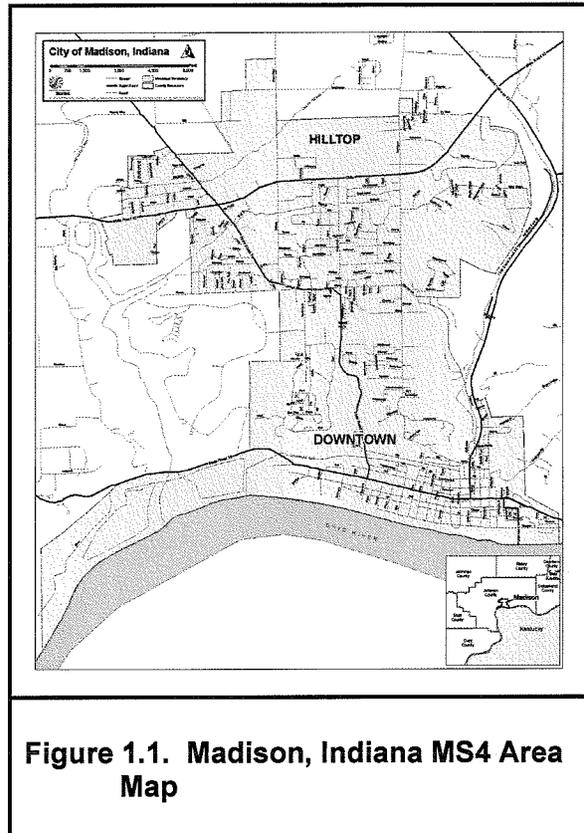


Figure 1.1. Madison, Indiana MS4 Area Map

Combined Sewer Overflow (CSO) Program Consistency

The City of Madison operates a combined sewer collection system. A final Long Term Control Plan (LTCP) was submitted to Indiana Department of Environmental Management (IDEM) in March 2006. IDEM responded in December 2006 with a proposed State Judicial Agreement. In December 2007, IDEM and the City of Madison signed the Agreement. At this time, the Combined Sewer Overflow (CSO) LTCP and Rule 13 Phase II programs are consistent and are not resulting in duplication of efforts.

1. MCM 1. Public Education and Outreach

The success of the SWQMP depends on securing the support of elected officials, municipal employees, regulated entities and citizens, i.e., stakeholders. To secure this support, the City is implementing a public education and outreach program on stormwater quality issues.

This chapter outlines the steps taken by the City of Madison during PY04 to implement MCM 1. The City has initiated practical efforts to educate stakeholders within our MS4 and to provide opportunities and mechanisms for them to participate in the program.

1.1. Stormwater Quality Web Page

The City of Madison has developed a web page accessible from the City's homepage to communicate the goals and objectives of the stormwater program. The web page has provided information throughout PY04 on stormwater activities and dates, as well as solicited feedback on the program.

Measurable Goals: The web page will be maintained throughout PY04. The City will track and report upon the number of stormwater quality forms posted, the number of emails received, the number of times the web page is updated, and number of "web hits".

Permit Year 04 Progress Report

The City of Madison developed content for a stormwater web page that was linked to Madison's existing website and contains a Citizen's Guide to Understanding Stormwater Pollution, information on stormwater terms, a summary of Madison's Stormwater program, as well as information on stormwater. The stormwater web page was updated as needed during PY04. The City plans to initiate a new "web hits" tracking effort in PY05. The address of the City of Madison website, which includes the stormwater web page, is as follows: <http://www.madison-in.gov/>

1.2. Printed Flyers or Pamphlets

The City of Madison used printed flyers and pamphlets to communicate the goals and objectives of the program and generate interest for public participation. Printed materials were displayed and made available in the lobby of City Hall.

Measurable Goals: Display and offer printed materials throughout PY04. The City will track and report upon the number of printed materials distributed. The per capita distribution will be calculated.

Permit Year 04 Progress Report

The City of Madison developed an informational stormwater brochure. Copies of the brochure were available to the public in the lobby of City Hall and on the web page. A copy of this brochure is provided in **Appendix 1.1**.

1.3. Educational Displays

The City of Madison will develop an educational display to communicate the goals and objectives of the program to targeted audiences and to generate interest for public participation.

Measurable Goals: The City of Madison will develop the educational display and post it in the lobby of City Hall throughout PY04.

Permit Year 04 Progress Report

The City of Madison developed a poster as an educational display. The poster was displayed in the lobby of City Hall throughout PY04. An 8.5 x 11 inch version of the poster is included in **Appendix 1.2**.

1.4. CSO Program Consistency

A final Long Term Control Plan (LTCP) was submitted to Indiana Department of Environmental Management (IDEM) in March 2006. IDEM responded in December 2006 with a proposed State Judicial Agreement. In December 2007 IDEM and the City of Madison signed the Agreement. At this time, the Combined Sewer Overflow (CSO) LTCP and Rule 13 Phase II programs are consistent and are not resulting in duplication of efforts.

2. MCM 2. Public Participation and Involvement

This chapter outlines the approach by the City of Madison to facilitate and encourage participation by elected officials, municipal employees, regulated entities and citizens within the City in the development and implementation of the SWQMP. The PY04 efforts of the City to promote public participation and involvement are discussed below.

2.1. Public Activities

Public activities involving stormwater allow citizens to become educated about stormwater quality and involved in helping improve stormwater quality in their area.

Measurable Goals: Encourage and assist volunteers participating in local public activities that improve stormwater quality.

Permit Year 04 Progress Report

The Lower West End Beautification Project was a volunteer-organized beautification project implemented from April to November 2007 in cooperation with the Jefferson County Highway Department. Twenty (20) tons of scrap metal and 2,150 tires were recycled, one hundred and twenty (120) tons of trash were removed, and one hundred (100) tons of brush were taken to a compost yard. A Heritage Trail area and an old railroad line were graded and

excavated in an effort to reduce erosion. As a part of the River Sweep program in cooperation with Jefferson County, the City of Madison provided trucks to haul away litter and trash collected by volunteers.

2.2. Public Meetings

The City of Madison will use discussions of stormwater quality programs to communicate the goals and objectives of the program to elected officials, municipal employees, regulated entities and citizens.

Measurable Goals: Discuss stormwater quality programs at city council meetings.

Permit Year 04 Progress Report

Stormwater quality was discussed at four (4) city council meetings.

2.3. Household Hazardous Waste and Used Oil Disposal Programs

By providing citizens with a safe and appropriate way to dispose of their household hazardous waste (HHW), dumping (i.e., illicit discharges) to storm drains is anticipated to be reduced.

Measurable Goals: The City of Madison will compile and report HHW data from the Southeastern Indiana Solid Waste District (SISWD) and distribute information to encourage citizen participation in the program.

Permit Year 04 Progress Report

Household Hazardous Waste (HHW) collection and disposal in the City of Madison is performed through the Southeastern Indiana Solid Waste District (SISWD). Their main collection facility is located approximately three (3) miles north of Madison on the former Jefferson Proving Grounds military property. This facility serves seven (7) counties: Jefferson, Franklin, Jennings, Ohio, Ripley, Scott and Switzerland. The SISWD also operates a separate automotive fluid collection facility at the Jefferson County Highway Garage which is located approximately two (2) miles west of Madison. Several private retailers also accept automotive fluids. Approximately sixty (60) to seventy-five (75) households participated in the HHW collection program during PY04.

2.4. Storm Drain Labeling Program

The City of Madison will use the storm drain labeling program to communicate to the general public that storm drain pollutants are discharged directly to the river.

Measurable Goals: Mark a minimum of fifty (50) city owned storm sewer inlets per year.

Permit Year 04 Progress Report

The City has marked one hundred (100) storm drains to date. No storm drains were labeled during PY04. The current drain markers are attached with glue that over time has failed, leading to a significant number of lost markers. Efforts are underway to identify a more permanent solution.

2.5. CSO Program Consistency

A final Long Term Control Plan (LTCP) was submitted to Indiana Department of Environmental Management (IDEM) in March 2006. IDEM responded in December 2006 with a proposed State Judicial Agreement. In December 2007 IDEM and the City of Madison signed the Agreement. At this time, the Combined Sewer Overflow (CSO) LTCP and Rule 13 Phase II programs are consistent and are not resulting in duplication of efforts.

3. MCM 3. Illicit Discharge Detection and Elimination

This chapter outlines the approach by the City of Madison to identify and eliminate illicit connections and discharges to the City's MS4. This approach includes measurable goals and timelines for mapping the stormwater drainage system, prohibiting illicit discharges, identifying problem areas via dry weather screening, and eliminating any illicit discharges that are found.

3.1. Storm Sewer Mapping

The City of Madison will map the storm sewer system, including outfalls and conveyances required via 327 IAC 15-13-14. The map will assist with locating outfalls, conveyances and areas of illicit discharge concerns.

Measurable Goals: Mapping will be conducted to achieve 25% of the system mapping, per year, for years 2-5 of the permit term.

Permit Year 04 Progress Report

To date, over seventy-five (75) percent of the storm sewer system has been mapped. During PY04, the City of Madison worked with staff from Stantec Consulting Services, Inc. (formerly Fuller, Mossbarger, Scott, and May Engineers, Inc.) on the storm sewer mapping task. The areas mapped included all of Downtown and a portion of Hilltop.

During PY04 39,955 feet (7.57 miles) of channels, 218,247 feet (41.33 miles) of ditches, and 52,046 feet (9.86 miles) of pipes were mapped, as well as 475 stormwater point features including: catchbasins, inlets, outlets, manholes, and outfalls. A summary of PY04 MS4 System Mapping and the current MS4 system map are included in **Appendix 3.1** and **Appendix 3.2**, respectively.

3.2. Illicit Discharge Ordinance

The City of Madison will develop an Illicit Discharge Detection and Elimination Ordinance specifying allowable and prohibited flows or discharges to the storm drain system. This ordinance will establish a regulatory mechanism to issue fines and penalties to those responsible for illicit discharges.

Measurable Goals: Maintain and implement the Illicit Discharge Detection and Elimination Ordinance throughout PY04.

Permit Year 04 Progress Report

The Illicit Discharge Detection and Elimination Ordinance was adopted on November 21, 2006 and is being implemented and enforced.

3.3. Illicit Discharge Detection and Elimination

The City of Madison will establish and implement an ongoing program for field assessments to detect and eliminate illegal discharges and connections to the storm sewer system. Field assessments include outfall and manhole inspections and site inspections to track flows back to potential discharges.

Measurable Goals: Continue the field assessment program throughout PY04. Number and percentage of linear feet of storm sewer pipes inspected and number of illicit sources detected and eliminated.

Permit Year 04 Progress Report

A total of 52,046 linear feet of storm sewer pipe, 475 storm sewer structures and sixteen (16) MS4 area outfalls were mapped during this reporting period and were inspected for illicit discharges. No illicit discharges were detected during PY04. See **Appendix 3.2** for a map of the MS4 system.

3.4. Public Employee Education

The City of Madison will conduct three (3) training sessions during this permit term to raise employee awareness of the hazards associated with illicit discharges and improper disposal of waste. Training will be attended by at least one staff member from the Street, Water, Sewer, Wastewater Treatment Plant, and Parks Departments.

Measurable Goals: The City of Madison will conduct three (3) training sessions during the first 5-year permit cycle.

Permit Year 04 Progress Report

The first of the public employee stormwater training sessions was conducted on January 10, 2007. The remaining two (2) training sessions will be conducted prior to November 2008.

3.5. CSO Program Consistency

A final Long Term Control Plan (LTCP) was submitted to Indiana Department of Environmental Management (IDEM) in March 2006. IDEM responded in December 2006 with a proposed State Judicial Agreement. In December 2007 IDEM and the City of Madison signed the Agreement. At this time, the Combined Sewer Overflow (CSO) LTCP and Rule 13 Phase II programs are consistent and are not resulting in duplication of efforts.

4. MCM 4. Construction Site Stormwater Runoff Controls

This chapter outlines the approach by the City of Madison to develop and implement an erosion prevention and sediment control (EPSC) program within the City's MS4 area. This program includes measurable goals and timelines for establishing the regulatory authority to review EPSC plan submittals, issue permits, conduct field inspections, and enforce the EPSC program.

4.1. Construction Site Runoff Ordinance

The City of Madison will develop and adopt an ordinance to control polluted runoff from construction activities that disturb a land area of one (1) acre or more, or disturbances of less than one (1) acre that are part of a larger development that will ultimately disturb one (1) acre or more.

Measurable Goals: Maintain and implement the Construction Site Runoff Ordinance.

Permit Year 04 Progress Report

The Construction Site Runoff Ordinance was adopted on November 21, 2006 and is being implemented and enforced.

4.2. Develop Plan Review Protocols

The City of Madison will have procedures for site plan review of construction plans and permits that consider potential water quality impacts.

Measurable Goals: The number of construction plans permitted and inspected per year will be reported to IDEM.

Permit Year 04 Progress Report

Four (4) construction sites were permitted and inspected during PY04. See **Appendix 4.1** for details. On one occasion, the inspectors requested corrections be made concerning site grading and controls. These corrections were promptly implemented by the construction site coordinator. See **Appendix 4.2** for details.

Fact sheets concerning erosion and sediment control practices for construction sites were included with all new construction permits. Details concerning silt fence construction are included in these fact sheets. See **Appendix 4.3** for details.

4.3. Information Submitted by the Public

The City of Madison will develop procedures to receive, consider and track public inquiries, concerns, and information regarding local construction activities. The City is required to acknowledge and consider public information submittals but follow-up, response, or enforcement actions are not required.

Measurable Goals: A system to track public inquiries, concerns and information is in place.

Permit Year 04 Progress Report

Currently, public inquiries are tracked through the City Engineer's Office. No calls regarding stormwater quality were received during PY04.

5. MCM 5. Post-Construction Stormwater Management

This chapter outlines the approach by the City of Madison to develop and implement a program to address discharges of post-construction stormwater runoff from new and redevelopment projects disturbing one or more acres of land within the City of Madison's MS4 area. This approach includes measurable goals and timelines for establishing the regulatory authority to enforce a post-construction stormwater management program, reviewing storm water pollution prevention plan (SWPPP) submittals, issuing permits, enforcing Best Management Practices (BMP) operation and maintenance requirements, and conducting field inspections to ensure compliance with the program.

5.1. Post-Construction Stormwater Management Ordinance

The City of Madison has passed a Post-Construction Stormwater Management Ordinance. The Ordinance includes the minimum post-construction requirements of 327 IAC 15-5-6.5 (a)(8) for all projects disturbing one (1) or more acres of land within the City, or disturbances of less than one (1) acre that are part of a larger development that will ultimately disturb one (1) acre or more.

Measurable Goals: Maintain and implement the Post-Construction Stormwater Management Ordinance throughout PY04.

Permit Year 04 Progress Report

The Post-Construction Stormwater Management Ordinance was adopted on February 20, 2007 and is being implemented. See **Appendix 5.1** for details.

Two (2) privately-owned, post-construction BMPs were installed during PY04, as required by the Post-Construction Ordinance. Both BMPs are detention / sediment basins associated with new development. In each case, the developer owns the BMP and is responsible for operation and maintenance.

6. MCM 6. Municipal Operations Pollution Prevention and Good Housekeeping

This chapter outlines the approach by the City of Madison to develop and implement a program to prevent or reduce pollutant runoff from municipal operations. This approach includes documenting maintenance activities and schedules, implementing pollution controls in operational areas, developing procedures for proper waste management, and employee training. The City of Madison has historically been proactive in the area of maintenance activities that reduce pollutants which could be discharged to the MS4.

6.1. Street Sweeping and Cleaning

The City of Madison will provide street sweeping services to reduce pollutants in stormwater runoff by removing residuals, debris and litter from roads, streets and parking areas.

Measurable Goals: Operate a continuous program from April through November and report upon the number of times each street is swept and tons of debris collected.

Permit Year 04 Progress Report

The Madison Street Department owns and operates a Vac-All street sweeper. The City's street sweeping program involved the weekly sweeping of all downtown streets (approximately 24 miles) for the period of April through November. Street sweeping was performed monthly, or as needed in Madison's Hilltop area (35 miles). The downtown area and Hilltop were also swept in December for leaf pickup. Throughout PY04, street sweeping collected approximately 8,000 pounds of material, while leaf pickup collected approximately 1,000,000 pounds of material. See **Appendix 6.1** for details. See **Appendix 6.2** for a picture of Madison's street sweeper.

During PY04, six (6) miles of roads in newly developed areas have been added to Madison's street sweeping schedule, bringing the total mileage to sixty-five (65). The City of Madison has recently developed a new weekly street sweeping schedule for both Downtown and Hilltop areas. See **Appendix 6.3** for details.

6.2. Sidewalks, Plazas, and Parking Lot Cleaning

The City of Madison will implement good housekeeping practices to decrease pollutants on sidewalks, plazas and parking lots associated with litter and vehicle use. The Public Works and Utilities Director will work with the City Council to coordinate this program. This program is already underway.

Measurable Goals: The City of Madison will track and report on the number of litter receptacles placed and maintained by the City, the area of the parking lots in the sweeping program, and the amount of debris collected through the program.

Permit Year 04 Progress Report

The City routinely swept four (4) city-owned parking lots which cover 99,251 square feet. They are located on Second and Mulberry, Main and Poplar, Vaughn Drive, and Jefferson and Second. The volume of material cleaned from this lot was estimated to be less than one (1) cubic yard of compacted waste. Downtown sidewalks in Madison were swept using the City's Tennant sidewalk sweeper. The frequency of sidewalk sweeping was largely dependent on the schedule of the various festivals that took place in Madison from May through September, and typically occurred once weekly. The sidewalk cleaning areas included Main Street, Broadway Street, and Vaughn Drive. The Department of Corrections collected an additional 5,280 pounds of trash from city property in PY04. The City maintained 45 trash receptacles on Main Street and 22 on Vaughn Drive, adjacent to the Riverfront.

6.3. Street Medians, Parks and Other Municipal Landscaped Areas

The City of Madison will operate maintenance programs for street medians, parks and other municipal landscaped areas. These programs reduce pollutants in stormwater runoff by minimizing erosion and pollutants from fertilizers and pesticides. The utility manager will work with the City Parks and Recreation Department to coordinate this program.

Measurable Goals: The City of Madison will track and report on the area and location where pesticides and fertilizers were applied.

Permit Year 04 Progress Report

Through the Street Department and the Parks Department, the City of Madison manages the parks, golf courses, street medians, and other municipal landscaped areas of the City. Since 1978, the City has maintained the one hundred sixty (160) acre Sunrise Golf Course. Other areas maintained by the City include the Rucker sports complex, Johnson Lake Park, Lamplighter Park, Broadway Street medians, and downtown streets and curb areas.

The City of Madison is currently leasing and maintaining the fifty-two (52) acre Madison Country Club Golf Course (formerly River Chase Golf Course). A new one-acre canine park, the Madison Riverfront Dog Park, recently opened downtown and is sited approximately one hundred fifty (150) feet away from the Ohio River. The area between the park and the river is a vegetated riparian buffer consisting of mature hardwood trees. These additions bring the total area of open space managed by the City to two hundred seventy-seven (277) acres.

The Street Department and the Parks Department each employ two (2) Certified Pesticide Applicators. During PY04, open spaces maintained by the City were spot-treated as needed with fertilizer and/or pesticides.

The golf courses maintained by the City feature buffer zones between 10-feet and 80-feet wide along all creeks and ditches. Sod and turf are used as natural erosion control on the riverfront and along roadway medians. The Street Department maintains written procedures for herbicide application.

6.4. Stormwater Drain System Cleaning

The City of Madison is responsible for maintaining the stormwater conveyance system including underground stormwater conveyance piping, curb and gutter roadways, and side ditches and swales with a bottom width of two (2) feet or more. In addition, the City cleans and maintains a large number of catchbasins.

Measurable Goals: Track and report upon the number of MS4 inlets, basins and pipes inspected and the pounds of debris collected annually.

Permit Year 04 Progress Report

The City's Vac-All street sweeper is equipped with a catch basin cleaning attachment. Approximately ninety (90) percent of the City's catch basins and grates were cleaned, and approximately 12,040 pounds of material were collected from storm drain surfaces. See **Appendix 6.1** for more details.

6.5. Structural Best Management Practices (BMPs) Program

The City will develop a strategy for maintaining the structural BMPs and for evaluating the possibility of developing future structural BMPs throughout the City.

Measurable Goals: The City will track and record the number of structural BMPs considered for implementation and the number of structural BMPs that are constructed, maintained and repaired.

Permit Year 04 Progress Report

Two (2) privately-owned, post-construction BMPs were installed during PY04, as required by the Post-Construction Ordinance. Both BMPs are detention / sediment basins associated with new development. In each case, the developer owns the BMP and is responsible for operation and maintenance. The City is currently developing a design for pervious pavement with properly sized vegetative buffer strips to improve water quality.

The ponds at the Sunrise Golf Course and a small lake at a City park (Johnson Lake Park) were inspected. These BMPs were functioning properly during PY04 and no maintenance was required or performed. The water quality of both was expected to be relatively good given the fact that both provide good fish habitat. Specifically, Johnson Lake was a popular public fishing spot.

6.6. Trash Pick-up

The City of Madison will provide weekly trash pick-up service for all residential customers located within the City limits.

Measurable Goals: The City will track and report the tons of material collected and disposed of each year.

Permit Year 04 Progress Report

In PY04, approximately 3,000 tons of material was collected through the City's trash pick-up service. Trash was hauled to the City's transfer station where it was temporarily stored in a covered building prior to being hauled to a landfill. The transfer station features an on-site drainage system that routes runoff from the property to the sanitary sewer system. The City's trash collection service reduces the amount of illegal trash disposal and protects surface waters from further deterioration. See **Appendix 6.4** and **Appendix 6.5** for details.

6.7. Street Department BMPs

The City of Madison has several other BMPs in place that minimize the potential for stormwater pollution from storage yards, transfer stations, and other City operations.

Measurable Goals: Track and report on BMPs.

Permit Year 04 Progress Report

As part of the Street Department's snow removal operation, all salt was stored in a 450-ton capacity covered building. During the winter of 2007-08, the City used an estimated 850 tons of salt for snow removal. 150 to 175 tons of salt remain in stock.

Containment and spill control measures were in place for all automotive fluids and other hazardous chemicals stored at the Street Department's maintenance garage. City vehicles were washed in the Street Department's primary maintenance building. All wash-water runoff was routed to the sanitary sewer system via this building's floor drains. Fertilizer used by the City was stored in a covered building located at the Street Department complex. Gasoline and Diesel fuel distributed from the Street Department was stored in modern underground storage tanks (UST's) that feature leak detection equipment.

6.8. CSO Program Consistency

A final Long Term Control Plan (LTCP) was submitted to Indiana Department of Environmental Management (IDEM) in March 2006. IDEM responded in December 2006 with a proposed State Judicial Agreement. In December 2007 IDEM and the City of Madison signed the Agreement. At this time, the Combined Sewer Overflow (CSO) LTCP and Rule 13 Phase II programs are consistent and are not resulting in duplication of efforts.

7. Stormwater Program Budget

Throughout PY04, the City of Madison funded Storm Drainage Improvement Projects and the Phase II Stormwater Program with Sewer and Street funds. The City is exploring options for a Stormwater Utility in 2008 and if approved, anticipates initiating implementation in 2009.

Two (2) Storm Drainage Improvement Projects occurred during PY04.

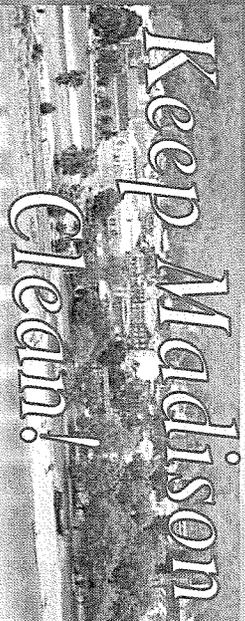
- Mouser Street: Storm drains were installed along the street leading down to Johnson Lake, in an effort to minimize the amount of water freezing on the street surface.
- Maple Hill: Swales were regraded and reseeded in an effort to improve drainage.

Introduction Appendix

Corporate Boundary Map of the City of Madison

Appendix 1.1

City of Madison Informational Stormwater Brochure



What is stormwater runoff?

Stormwater runoff occurs when precipitation from rain or melting snow flows over the ground. Impervious surfaces like driveways, sidewalks, and rooftops, and streets prevent stormwater from naturally soaking into the ground.



A typical city block generates

9 times more runoff than a woodland area of the same size.

Why is stormwater runoff a problem?

Stormwater can pick up debris, chemicals, bacteria, dirt and other pollutants. Storm sewers discharge the water into nearby streams which flow into the Ohio River. Unlike sanitary sewer systems, stormwater is not treated before it is discharged. The good news is that we can all work together to reduce stormwater pollution by following a few simple suggestions inside.

For more information contact:

City of Madison Utilities
101 W. Main Street
Madison, IN 47250
(812) 265-8312
www.madison-in.gov

Helpful website information:

Southeastern Indiana Solid Waste District
www.siswd.com

The Rivers Institute @ Hanover College
www.riversinstitute.org

Hoosier Riverwatch
www.in.gov/dnr/riverwatch/

Center for Watershed Protection
www.cwp.org

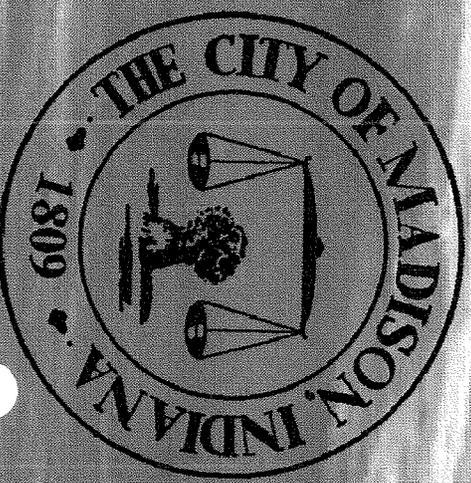
US Environmental Protection Agency
Stormwater Program Information
www.epa.gov/owow/nps/

Indiana Department of
Environmental Management (IDEM)
Stormwater Program Information
www.in.gov/idem/permits/water/
wastewater/wetwthr/storm



AFTER THE STORM

A Citizen's Guide to Understanding Stormwater Pollution

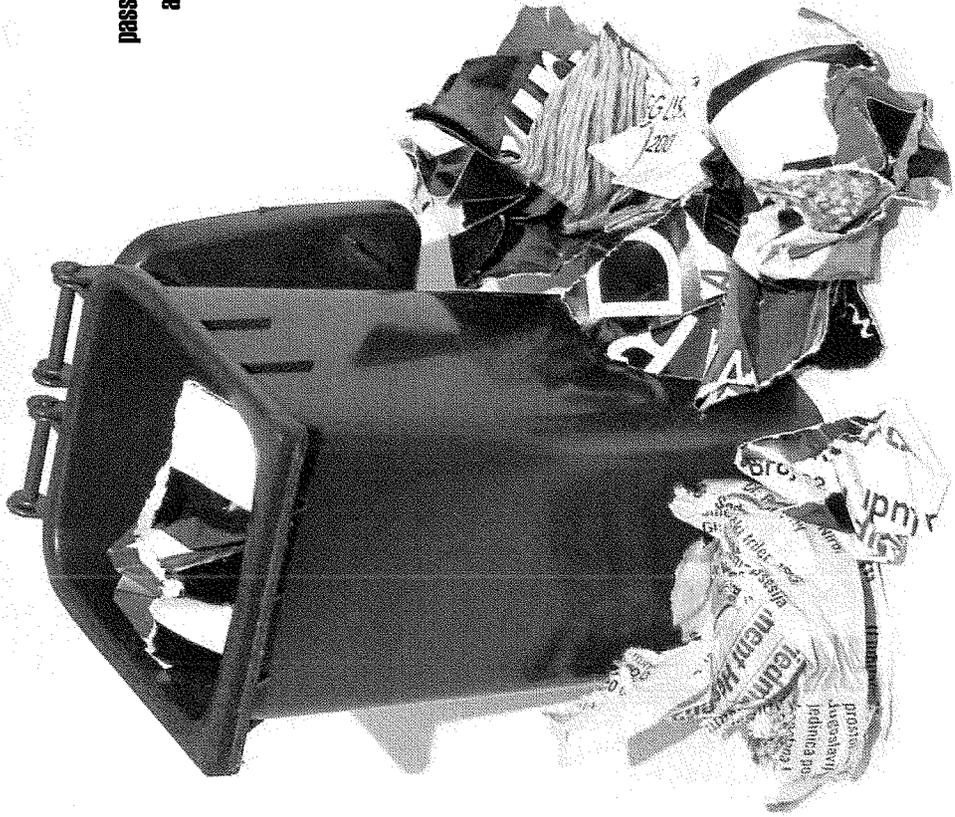


Appendix 1.2

City of Madison Educational Stormwater Poster

40 Percent

**Amount of U.S. rivers and streams
that are too polluted for fishing or swimming.**



In 1972, Congress called for great improvements in water quality by passing the Clean Water Act. Since then, dozens of large metropolitan centers across the country have faced unfunded mandates to address stormwater quality within their jurisdictions. Now thousands of smaller communities like Madison, are exploring measures to help improve its stormwater quality, thereby preventing pollution from reaching its streams. You can do your part, too.

Pick up Your Trash!

Anything that enters a storm drain is discharged into the waterbodies we use for swimming, fishing and providing drinking water.

By practicing healthy household habits, homeowners can keep common pollutants like pesticides, pet waste, grass clippings and automotive fluids off the ground and out of stormwater.



Appendix 3.1

Summary of Permit Year 04 MS4 System Mapping

**CITY OF MADISON, INDIANA
STORMWATER PROGRAM**

Summary of Permit Year 04 MS4 System Mapping

| Stormwater Features (Points) | Number of Features Collected During PY04 | Total Number of Features Collected to Date |
|---|---|---|
| Catchbasins | 175 | 597 |
| Inlets | 130 | 366 |
| Manholes | 2 | 16 |
| Outlets | 152 | 318 |
| Outfalls | 16 | 90 |

| Stormwater Features (Lines) | Mapped During PY04 | | Total Mapped to Date | |
|--|---------------------------|----------------|-----------------------------|----------------|
| | Miles | Feet | Miles | Feet |
| Channels | 13.13 | 69,303 | 28.25 | 149,156 |
| Ditches | 41.33 | 218,247 | 61.24 | 323,369 |
| Pipes | 4.30 | 22,688 | 11.99 | 63,317 |
| Total | 58.76 | 310,238 | 101.49 | 535,842 |

Appendix 3.2

City of Madison Permit Year 04 MS4 System Map

Appendix 4.1

City of Madison Construction Project Monthly Summary Reports



RULE 13 -
Monthly Summary Report of Construction Projects
 State Form 51279 (R2 / 11-03)
 INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

For questions regarding this form, contact:
 IDEM - Rule 13 Coordinator
 100 North Senate Avenue, Rm 1265
 P.O. Box 6015
 Indianapolis, IN 46206-8015
 Phone: (317) 234-1601 or
 (800) 451-6027, ext. 41601 (within Indiana)
 Web Access:
<http://www.in.gov/idem/water/npdes/permits/watwhz/atom/rule13.html>

NOTE:

- Starting one (1) year after the submittal of the Notice of Intent (NOI) letter and once the regulated MS4 entity has a sufficient construction site storm water run-off control program, this completed form must be submitted each month pursuant to 327 IAC 15-13-18(b).
- This completed form must be submitted by the last day of the following month.
- If no projects occur within a given month, this form does not need to be submitted.
- This exact form does not need to be used if the information is conveyed using a form of another format containing the same type of information - providing the form is preapproved by, and provided to, IDEM.
- Return this completed and signed form, and any required addenda by mail to the IDEM Rule 13 Coordinator at the address listed in the box on the upper-right.

| Reporting Month/Year: (check one in each column) | X | Month | X | Year |
|---|--------------------------|-------------------------------------|--------------------------|------|
| | <input type="checkbox"/> | January | <input type="checkbox"/> | 2005 |
| <input type="checkbox"/> | February | <input type="checkbox"/> | 2006 | |
| <input type="checkbox"/> | March | <input checked="" type="checkbox"/> | 2007 | |
| <input type="checkbox"/> | April | <input type="checkbox"/> | 2008 | |
| <input type="checkbox"/> | May | <input type="checkbox"/> | 2009 | |
| <input type="checkbox"/> | June | <input type="checkbox"/> | 2010 | |
| <input type="checkbox"/> | July | <input type="checkbox"/> | 2011 | |
| <input type="checkbox"/> | August | <input type="checkbox"/> | 2012 | |
| <input type="checkbox"/> | September | <input type="checkbox"/> | 2013 | |
| <input type="checkbox"/> | October | <input type="checkbox"/> | 2014 | |
| <input type="checkbox"/> | November | <input type="checkbox"/> | 2015 | |
| <input checked="" type="checkbox"/> | December | <input type="checkbox"/> | 2016 | |

| MONTHLY SUMMARY REPORT OF CONSTRUCTION PROJECTS | | | | | |
|---|----------------------------|--|------------------|-------------------|---------------------|
| | Project Name | Project Address | Project Duration | Permit Status | Enforcement Actions |
| 1 | ARVIN SANGO NEW BLDG. | SE COR OF WILSON AVE & CR 300 SR. 16 & 17 TAN-RIDE | 1 YR. | CONST IN PROGRESS | - NONE - |
| 2 | MADISON TOOL INC. | SEE A TAN-RIDE MICHIGAN RD. & INDY TEST DR | CONTD. | CONST IN PROGRESS | - NONE - |
| 3 | ARVIN SANGO TRUCK ADDITION | SE COR OF WILSON AVE & 300 SR. 16 & 17 TAN-RIDE | CONTD. | CONST IN PROGRESS | - NONE - |
| 4 | | | | | |
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MS4 Entity: CITY OF MADISON
(typed or printed)

Responsible Individual: FANDY EGGERILLER CITY ENGINEER
(typed or printed) UTILITY MANAGER

Date: 12/27/07
(mm/dd/year)

NPDES Permit #: INR040 0601

*Example: the individual can be the MS4 Operator, or a responsible individual for a regulated MS4 entity.



RULE 13 –
Monthly Summary Report of Construction Projects
 State Form 51276 (R2 / 11-03)
 INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

For questions regarding this form, contact:
 IDEM – Rule 13 Coordinator
 100 North Senate Avenue, Rm 1255
 P.O. Box 6015
 Indianapolis, IN 46208-8015
 Phone: (317) 234-1801 or
 (800) 451-6027, ext. 41601 (within Indiana)
 Web Access:
<http://www.in.gov/idem/water/npdes/permits/wetwtr/storm/rule13.html>

- NOTE:**
- Starting one (1) year after the submittal of the Notice of Intent (NOI) letter and once the regulated MS4 entity has a sufficient construction site storm water run-off control program, this completed form must be submitted each month pursuant to 327 IAC 15-13-18(b).
 - This completed form must be submitted by the last day of the following month.
 - If no projects occur within a given month, this form does not need to be submitted.
 - This exact form does not need to be used if the information is conveyed using a form of another format containing the same type of information - providing the form is preapproved by, and provided to, IDEM.
 - Return this completed and signed form, and any required addenda by mail to the IDEM Rule 13 Coordinator at the address listed in the box on the upper-right.

| Reporting Month/Year: (check one in each column) | X | Month | X | Year |
|---|--------------------------|-------------------------------------|--------------------------|------|
| | <input type="checkbox"/> | January | <input type="checkbox"/> | 2005 |
| <input type="checkbox"/> | February | <input type="checkbox"/> | 2006 | |
| <input type="checkbox"/> | March | <input checked="" type="checkbox"/> | 2007 | |
| <input type="checkbox"/> | April | <input type="checkbox"/> | 2008 | |
| <input type="checkbox"/> | May | <input type="checkbox"/> | 2009 | |
| <input type="checkbox"/> | June | <input type="checkbox"/> | 2010 | |
| <input type="checkbox"/> | July | <input type="checkbox"/> | 2011 | |
| <input type="checkbox"/> | August | <input type="checkbox"/> | 2012 | |
| <input type="checkbox"/> | September | <input type="checkbox"/> | 2013 | |
| <input type="checkbox"/> | October | <input type="checkbox"/> | 2014 | |
| <input checked="" type="checkbox"/> | November | <input type="checkbox"/> | 2015 | |
| <input type="checkbox"/> | December | <input type="checkbox"/> | 2016 | |

| MONTHLY SUMMARY REPORT OF CONSTRUCTION PROJECTS | | | | | |
|---|---------------------------|--|------------------|---------------------|---------------------|
| | Project Name | Project Address | Project Duration | Permit Status | Enforcement Actions |
| 1 | ARVIN SANGO NEW PLUGS | SE. COR. of Wilson Ave & CR 300 SER. 16 & 21 TAN-RIDE | 1 YR. | CONSTR. IN PROGRESS | - NONE - |
| 2 | MADISON TOOL INC | SER. 14 TAN-RIDE MICH. RD. & 104 TECH DR. | 6 MO. | CONSTR. IN PROGRESS | - NONE - |
| 3 | ARVIN SANGO DOCK ADDITION | SE COR OF Wilson & CR 300 SER. 16 & 21 TAN-RIDE | 6 MO | CONSTR. IN PROGRESS | - NONE - |
| 4 | | | | | |
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MS4 Entity: CITY OF MADISON NPDES Permit #: INR040 061
(Typed or printed)

Responsible Individual*: Randy Eggert / Utility Manager Date: OCT-30-07
(Typed or printed) (mm/dd/year)

*Example: the individual can be the MS4 owner or a responsible individual for a regulated MS4 entity.



RULE 13 –
Monthly Summary Report of Construction Projects
 State Form 51276 (R2 / 11-03)
 INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

For questions regarding this form, contact:
 IDEM – Rule 13 Coordinator
 100 North Senate Avenue, Rm 1255
 P.O. Box 6015
 Indianapolis, IN 46205-8015
 Phone: (317) 234-1601 or
 (800) 451-6027, ext. 41801 (within Indiana)
 Web Access:
<http://www.in.gov/idem/water/modes/permits/wetwtr/storm/rule13.html>

NOTE:

- Starting one (1) year after the submittal of the Notice of Intent (NOI) letter and once the regulated MS4 entity has a sufficient construction site storm water run-off control program, this completed form must be submitted each month pursuant to 327 IAC 15-13-18(b).
- This completed form must be submitted by the last day of the following month.
- If no projects occur within a given month, this form does not need to be submitted.
- This exact form does not need to be used if the information is conveyed using a form of another format containing the same type of information - providing the form is preapproved by, and provided to, IDEM.
- Return this completed and signed form, and any required addenda by mail to the IDEM Rule 13 Coordinator at the address listed in the box on the upper-right.

| Reporting Month/Year: (check one in each column) | X | Month | X | Year |
|---|--------------------------|-------------------------------------|--------------------------|------|
| | <input type="checkbox"/> | January | <input type="checkbox"/> | 2005 |
| <input type="checkbox"/> | February | <input type="checkbox"/> | 2006 | |
| <input type="checkbox"/> | March | <input checked="" type="checkbox"/> | 2007 | |
| <input type="checkbox"/> | April | <input type="checkbox"/> | 2008 | |
| <input type="checkbox"/> | May | <input type="checkbox"/> | 2009 | |
| <input type="checkbox"/> | June | <input type="checkbox"/> | 2010 | |
| <input type="checkbox"/> | July | <input type="checkbox"/> | 2011 | |
| <input type="checkbox"/> | August | <input type="checkbox"/> | 2012 | |
| <input type="checkbox"/> | September | <input type="checkbox"/> | 2013 | |
| <input checked="" type="checkbox"/> | October | <input type="checkbox"/> | 2014 | |
| <input type="checkbox"/> | November | <input type="checkbox"/> | 2015 | |
| <input type="checkbox"/> | December | <input type="checkbox"/> | 2016 | |

| MONTHLY SUMMARY REPORT OF CONSTRUCTION PROJECTS | | | | | |
|---|------------------------------|--|------------------|----------------|---------------------|
| | Project Name | Project Address | Project Duration | Permit Status | Enforcement Actions |
| 1 | ARVIN SWAGE NEW BLDG | SE COR. OF WILSON & CR 300 SER 16 & 21 TAN-RIDE | 1 YR. | CONST PROG | None |
| 2 | MADISON TOOL | SER. 14 TAN-RIDE MICHIGAN RD & IVYBEE DR | 6 MO. | CONST. PROG | None |
| 3 | ARVIN SWAGE DECK ADDITION | SE COR. OF WILSON & CR 300 SER 16 & 21 TAN-RIDE | 6 MO | CONST PROG | None |
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| 9 | | | | | |
| 10 | | | | | |

MS4 Entity: CITY OF MADISON
(typed or printed)

NPDES Permit #: INR040 061

Responsible Individual: RANDY EGGENKILLER
(typed or printed)
UTILITY MANAGER

Date: 10-31-07
(mm/dd/year)

*Example: the individual can be the MS4 Operator, or a responsible individual for a regulated MS4 entity.



RULE 13 -
Monthly Summary Report of Construction Projects
 State Form 61276 (R2 / 11-03)
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 IDEM - Rule 13 Coordinator
 100 North Senate Avenue, Rm 1255
 P.O. Box 8015
 Indianapolis, IN 46206-6015
 Phone: (317) 234-1801 or
 (800) 451-8027, ext. 41601 (within Indiana)
 Web Access:
<http://www.in.gov/idem/water/npdes/permits/web/whr/storm/rule13.html>

- NOTE:**
- Starting one (1) year after the submittal of the Notice of Intent (NOI) letter and once the regulated MS4 entity has a sufficient construction site storm water run-off control program, this completed form must be submitted each month pursuant to 327 IAC 15-13-18(b).
 - This completed form must be submitted by the last day of the following month.
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 - Return this completed and signed form, and any required addenda by mail to the IDEM Rule 13 Coordinator at the address listed in the box on the upper-right.

| Reporting Month/Year: (check one in each column) | X | Month | X | Year |
|---|--------------------------|-------------------------------------|--------------------------|------|
| | <input type="checkbox"/> | January | <input type="checkbox"/> | 2005 |
| <input type="checkbox"/> | February | <input type="checkbox"/> | 2006 | |
| <input type="checkbox"/> | March | <input checked="" type="checkbox"/> | 2007 | |
| <input type="checkbox"/> | April | <input type="checkbox"/> | 2008 | |
| <input type="checkbox"/> | May | <input type="checkbox"/> | 2009 | |
| <input type="checkbox"/> | June | <input type="checkbox"/> | 2010 | |
| <input type="checkbox"/> | July | <input type="checkbox"/> | 2011 | |
| <input type="checkbox"/> | August | <input type="checkbox"/> | 2012 | |
| <input checked="" type="checkbox"/> | September | <input type="checkbox"/> | 2013 | |
| <input type="checkbox"/> | October | <input type="checkbox"/> | 2014 | |
| <input type="checkbox"/> | November | <input type="checkbox"/> | 2015 | |
| <input type="checkbox"/> | December | <input type="checkbox"/> | 2016 | |

| MONTHLY SUMMARY REPORT OF CONSTRUCTION PROJECTS | | | | | |
|---|--|------------------|---------------------------------|---------------------|--|
| Project Name | Project Address | Project Duration | Permit Status | Enforcement Actions | |
| 1. <i>ADDITIONAL STORM PHASE</i> | <i>SE. COR. OF WILSON AVE & 320N SE. 116 & 21 TAN. RIDGE</i> | <i>1 YR</i> | <i>CONSTR. PERMITS REVIEWED</i> | <i>NONE</i> | |
| 2. <i>MADISON TOWN</i> | <i>SE. 14 TAN. RIDGE MICHIGAN RD & ILLY TECH DR.</i> | <i>6 YR</i> | <i>PLANS REVIEWED</i> | <i>NONE</i> | |
| 3. <i>ADDITIONAL STORM PHASE - ADDITIONAL</i> | <i>SE. COR. OF WILSON & 320N SE. 116 & 21 TAN. RIDGE</i> | <i>1 YR</i> | <i>PLANS REVIEWED</i> | <i>NONE</i> | |
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MS4 Entity: _____ NPDES Permit #: INR040

Responsible Individual*: Albert G. Huntington Mayor Date: 10/1/07
(typed or printed) (mm/dd/year)

*Example: the individual can be the MS4 Operator, or a responsible individual for a regulated MS4 entity.



RULE 13 -
Monthly Summary Report of Construction Projects
 State Form 51276 (R2 / 11-03)
 INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

For questions regarding this form, contact:
 IDEM - Rule 13 Coordinator
 100 North Senate Avenue, Rm 1255
 P.O. Box 6015
 Indianapolis, IN 46206-6015
 Phone: (317) 234-1601 or
 (800) 451-6027, ext. 41601 (within Indiana)
 Web Access:
<http://www.in.gov/idem/water/npdes/permits/wetwtr/storm/rule13.html>

NOTE:

- Starting one (1) year after the submittal of the Notice of Intent (NOI) letter and once the regulated MS4 entity has a sufficient construction site storm water run-off control program, this completed form must be submitted each month pursuant to 327 IAC 15-13-18(b).
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| | | | | |
|---|-------------------------------------|--------------------------|-------------------------------------|------|
| Reporting Month/Year: (check one in each column) | <input checked="" type="checkbox"/> | Month | <input checked="" type="checkbox"/> | Year |
| | <input type="checkbox"/> | January | <input type="checkbox"/> | 2005 |
| | <input type="checkbox"/> | February | <input type="checkbox"/> | 2006 |
| | <input type="checkbox"/> | March | <input checked="" type="checkbox"/> | 2007 |
| | <input type="checkbox"/> | April | <input type="checkbox"/> | 2008 |
| | <input type="checkbox"/> | May | <input type="checkbox"/> | 2009 |
| | <input type="checkbox"/> | June | <input type="checkbox"/> | 2010 |
| | <input checked="" type="checkbox"/> | July | <input type="checkbox"/> | 2011 |
| | <input type="checkbox"/> | August | <input type="checkbox"/> | 2012 |
| | <input type="checkbox"/> | September | <input type="checkbox"/> | 2013 |
| | <input type="checkbox"/> | October | <input type="checkbox"/> | 2014 |
| | <input type="checkbox"/> | November | <input type="checkbox"/> | 2015 |
| <input type="checkbox"/> | December | <input type="checkbox"/> | 2016 | |

| MONTHLY SUMMARY REPORT OF CONSTRUCTION PROJECTS | | | | | |
|---|---------------------|--|------------------|---------------|---------------------|
| | Project Name | Project Address | Project Duration | Permit Status | Enforcement Actions |
| 1 | ARLING STREET PHASE | 25.602 OF WINDY HILL RD #23241 SR 16 & 21 74N, 210E | 1 yr. | Cons. Phase | None |
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MS4 Entity: CITY OF MADISON
(typed or printed)

Responsible Individual*: ALBERT G HUNTINGTON
(typed or printed)

NPDES Permit #: INR040 061

Date: 8/31/07
(mm/dd/yyyy)

*Example: the individual can be the MS4 Operator, or a responsible individual for a regulated MS4 entity.



RULE 13 –
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 100 North Senate Avenue, Rm 1255
 P.O. Box 6015
 Indianapolis, IN 46206-6015
 Phone: (317) 234-1801 or
 (800) 451-6027, ext. 41601 (within Indiana)
 Web Access:
<http://www.in.gov/idem/water/water/permits/waterwtrform/rule13.html>

NOTE:

- Starting one (1) year after the submittal of the Notice of Intent (NOI) letter and once the regulated MS4 entity has a sufficient construction site storm water run-off control program, this completed form must be submitted each month pursuant to 327 IAC 15-13-18(b).
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| Reporting Month/Year: (check one in each column) | X | Month | X | Year |
|---|--------------------------|-------------------------------------|--------------------------|------|
| | <input type="checkbox"/> | January | <input type="checkbox"/> | 2005 |
| <input type="checkbox"/> | February | <input type="checkbox"/> | 2006 | |
| <input type="checkbox"/> | March | <input checked="" type="checkbox"/> | 2007 | |
| <input type="checkbox"/> | April | <input type="checkbox"/> | 2008 | |
| <input type="checkbox"/> | May | <input type="checkbox"/> | 2009 | |
| <input checked="" type="checkbox"/> | June | <input type="checkbox"/> | 2010 | |
| <input type="checkbox"/> | July | <input type="checkbox"/> | 2011 | |
| <input type="checkbox"/> | August | <input type="checkbox"/> | 2012 | |
| <input type="checkbox"/> | September | <input type="checkbox"/> | 2013 | |
| <input type="checkbox"/> | October | <input type="checkbox"/> | 2014 | |
| <input type="checkbox"/> | November | <input type="checkbox"/> | 2015 | |
| <input type="checkbox"/> | December | <input type="checkbox"/> | 2016 | |

| MONTHLY SUMMARY REPORT OF CONSTRUCTION PROJECTS | | | | | |
|---|---------------------|--|------------------|-------------------|---------------------|
| | Project Name | Project Address | Project Duration | Permit Status | Enforcement Actions |
| 1 | ARVIN SALGO PHASE I | 58 CORZ OF WILSON AVE #320N. SEC. 16 & 21 TAN RIDG | 1 YR. | COMP. IN PROGRESS | NONE |
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MS4 Entity: City of Madison
(typed or printed)

NPDES Permit #: INR040 061

Responsible Individual: ALBERT G. HUNTINGTON
(typed or printed)

Date: 7/29/07
(mm/dd/year)

*Example: the individual can be the MS4 Operator, or a responsible individual for a regulated MS4 entity.



RULE 13 -
Monthly Summary Report of Construction Projects
 State Form 51276 (R2 / 11-03)
 INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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 100 North Senate Avenue, Rm 1256
 P.O. Box 6015
 Indianapolis, IN 46206-6015
 Phone: (317) 234-1801 or
 (800) 451-8027, ext. 41801 (within Indiana)
 Web Access:
<http://www.in.gov/idem/water/ndees/permits/wetwhr/storm/rule13.html>

NOTE:

- Starting one (1) year after the submittal of the Notice of Intent (NOI) letter and once the regulated MS4 entity has a sufficient construction site storm water run-off control program, this completed form must be submitted each month pursuant to 327 IAC 15-13-18(b).
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|---|--------------------------|-------------------------------------|--------------------------|------|
| | <input type="checkbox"/> | January | <input type="checkbox"/> | 2005 |
| <input type="checkbox"/> | February | <input type="checkbox"/> | 2006 | |
| <input type="checkbox"/> | March | <input checked="" type="checkbox"/> | 2007 | |
| <input type="checkbox"/> | April | <input type="checkbox"/> | 2008 | |
| <input checked="" type="checkbox"/> | May | <input type="checkbox"/> | 2009 | |
| <input type="checkbox"/> | June | <input type="checkbox"/> | 2010 | |
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| <input type="checkbox"/> | September | <input type="checkbox"/> | 2013 | |
| <input type="checkbox"/> | October | <input type="checkbox"/> | 2014 | |
| <input type="checkbox"/> | November | <input type="checkbox"/> | 2015 | |
| <input type="checkbox"/> | December | <input type="checkbox"/> | 2016 | |

| MONTHLY SUMMARY REPORT OF CONSTRUCTION PROJECTS | | | | | |
|---|-------------------------------|--|------------------|-----------------------------------|---------------------|
| | Project Name | Project Address | Project Duration | Permit Status | Enforcement Actions |
| 1 | ARVIN SANGS PHASE | SE COR. OF WILSON AVE & CR 520N. SEC. 16 & 21 TAN RICE | 1 YEAR | Contingency Process | None |
| 2 | MADISON SHOPPING CTR / DETAIL | SW 1/4 OF MICHIGAN RD & SR 62 SE 1/4 OF SEC 22 TAN. RICE | 6 Mo | Not Submitted Contingency Process | None |
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MS4 Entity: CITY OF MADISON, INDIANA
(typed or printed)

Responsible Individual*: ALBERT G. HUNTINGTON / Albert G. Huntington
(typed or printed)

NPDES Permit #: INR040 0601

Date: 6/28/07
(mm/dd/year)

*Example: the individual can be the MS4 Operator, or a responsible individual for a regulated MS4 entity.



RULE 13 -
Monthly Summary Report of Construction Projects
 State Form 51276 (R3 / 11-03)
 INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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 Indianapolis, IN 46206-6015
 Phone: (317) 234-1801 or
 (800) 461-6027, ext. 41801 (within Indiana)
 Web Access:
<http://www.in.gov/idem/water/npdes/pgm/ls/wetwtr/storm/rule13.html>

- NOTE:**
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|---|-------------------------------------|-----------|-------------------------------------|------|
| | <input type="checkbox"/> | January | <input type="checkbox"/> | 2005 |
| | <input type="checkbox"/> | February | <input type="checkbox"/> | 2006 |
| | <input type="checkbox"/> | March | <input checked="" type="checkbox"/> | 2007 |
| | <input checked="" type="checkbox"/> | April | <input type="checkbox"/> | 2008 |
| | <input type="checkbox"/> | May | <input type="checkbox"/> | 2009 |
| | <input type="checkbox"/> | June | <input type="checkbox"/> | 2010 |
| | <input type="checkbox"/> | July | <input type="checkbox"/> | 2011 |
| | <input type="checkbox"/> | August | <input type="checkbox"/> | 2012 |
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| | <input type="checkbox"/> | October | <input type="checkbox"/> | 2014 |
| | <input type="checkbox"/> | November | <input type="checkbox"/> | 2015 |
| | <input type="checkbox"/> | December | <input type="checkbox"/> | 2016 |

| MONTHLY SUMMARY REPORT OF CONSTRUCTION PROJECTS | | | | | | |
|---|--|--|------------------|--|---------------------|--|
| | Project Name | Project Address | Project Duration | Permit Status | Enforcement Actions | |
| 1 | ARVIN SANGO, INC (Phase I) | SE corner of Wilson Ave. & Casson, Madison, IN Sec 16/21 T4N R1E | 1 year | NDE Submitted Const. in Progress | NONE | |
| 2 | MADISON SHOPPING CTR AND CAR WASH (CORTILLO) | ADJACENT & WEST OF MICHIGAN ROAD R400 South of Intersection of US 62 & Michigan SE 1/4 Sec 22 T4N R1E in MADISON | 6 months | Application Received Review in Progress | NONE | |
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MS4 Entity: CITY OF MADISON, INDIANA
(typed or printed)

Responsible Individual*: ALBERT C. HUNTINGTON / Albert C. Huntington Date: 5/31/07
(typed or printed) (mm/dd/year)

NPDES Permit #: INR040 061

*Example: the individual can be the MS4 Operator, or a responsible individual for a regulated MS4 entity.



RULE 13 –
Monthly Summary Report of Construction Projects
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 Phone: (317) 234-1601 or
 (800) 451-8027, ext. 41601 (within Indiana)
 Web Access:
<http://www.in.gov/idem/water/npdes/permits/watwtr/storm/rule13.html>

- NOTE:**
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|---|--------------------------|--------------------------|--------------------------|------|
| | <input type="checkbox"/> | January | <input type="checkbox"/> | 2005 |
| <input type="checkbox"/> | February | <input type="checkbox"/> | 2006 | |
| <input checked="" type="checkbox"/> | March | <input type="checkbox"/> | 2007 | |
| <input type="checkbox"/> | April | <input type="checkbox"/> | 2008 | |
| <input type="checkbox"/> | May | <input type="checkbox"/> | 2009 | |
| <input type="checkbox"/> | June | <input type="checkbox"/> | 2010 | |
| <input type="checkbox"/> | July | <input type="checkbox"/> | 2011 | |
| <input type="checkbox"/> | August | <input type="checkbox"/> | 2012 | |
| <input type="checkbox"/> | September | <input type="checkbox"/> | 2013 | |
| <input type="checkbox"/> | October | <input type="checkbox"/> | 2014 | |
| <input type="checkbox"/> | November | <input type="checkbox"/> | 2015 | |
| <input type="checkbox"/> | December | <input type="checkbox"/> | 2016 | |

| MONTHLY SUMMARY REPORT OF CONSTRUCTION PROJECTS | | | | | |
|---|---------------------------|--|------------------|---|---------------------|
| | Project Name | Project Address | Project Duration | Permit Status | Enforcement Actions |
| 1 | ARVIN SANGO INC (Phase I) | SE Corner of Wilson Ave & CR320N MADISON, IN | 1 YEAR | PLAN REVIEWED NOI SUBMITTED CONSTR. IN PROGRESS | NONE |
| 2 | | Sec 16/21 T4N R10E | | | |
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MS4 Entity: CITY OF MADISON, INDIANA
(typed or printed)

Responsible Individual*: HONORABLE AL HUNTINGTON MAYER
(typed or printed) MS4 OPERATOR

NPDES Permit #: INR040 061

Date: 4/27/07
(mm/dd/year)

*Example: the individual can be the MS4 Operator, or a responsible individual for a regulated MS4 entity.

Appendix 4.2

City of Madison Construction Project Correction Correspondence

Randy Eggenspiller

From: Coyle, Chuck [CHUCKKC@forceco.com]
Sent: Friday, February 08, 2008 1:16 PM
To: Randy Eggenspiller
Subject: FW: Arvin Sango site inspection (2-1-08)
Attachments: Sango011.jpg; Sango013.jpg

Randy,

This is #3.

Chuck Coyle

-----Original Message-----

From: Coyle, Chuck
Sent: Friday, February 08, 2008 11:17 AM
To: 'Randy Eggenspiller'
Cc: rboehm@idem.IN.gov; 'rbraun@idem.in.gov'; 'JRANDOLP@idem.IN.gov'; 'dbaughman@arvinsango.com'; 'bbouldery@arvinsango.com'; 'rbaker@cbbel-in.com'; 'swright@cbbel-in.com'; Force, Harold; Iler, David; Manaugh, Randy
Subject: RE: Arvin Sango site inspection (2-1-08)

Randy,

Please excuse the delay in responding to your e-mail. I had taken a long weekend out of town, but was in contact with my office via e-mail, and we began working on the situation immediately upon your notification. I was able to view some of the pictures and gain some insight into some of our erosion control deficiencies.

I made a trip to the jobsite on Tuesday late morning, Feb. 3, while it was yet raining, so I was able to view all the action. I had also received a marked up print of your comments to our on-site earthwork foreman, Zack Branaman. Zack and I talked extensively about the situation. The fact is that our original Erosion Control Plan that was submitted when we first began the job assumed that we would be able to disturb the "wetland" area, re-routing it along the western boundary of the site, then back to the east from the northwest corner of the site. The measures that applied to that plan should have been adapted to the modified detention plan later accepted in August, September of 2007. In fact, I did prepare a plan that includes most if not all of your suggestions back in August, but for some reason Zack did not have it. Probably had we implemented that plan we would not be having these discussions now.

I will have the newly revised plan delivered to your office hopefully yet today or Monday for sure. It will be difficult to install much of these devices until the water subsides, and the ground dries up somewhat, or freezes so that we can access the areas without doing more damage.

However, I would like to offer some of my own observations as well:

- 1) During my visit I noticed an enormous volume of water that drained unabated from north of the Sango site. I was told that early that morning the water was running over the top of the roadway. There appeared to be a lot of silt and sediment in that runoff as well, which would also contribute to the runoff from the Sango site and the detention basin. I would point out that the sheet piling controlled outlet is only 6" x 6", which is actually less than the allowable discharge, but during the rain event on Tuesday morning the runoff overtopped the roadway.*
- 2) Also, the waterway channels through the woods and delineated "wetland" area are scoured and would experience erosion and sediment being carried down stream as well.*
- 3) I make these comments not to try to minimize the responsibility that we have to stabilize our work, but with the adjacent contributing factors the appearance may be worse than what we are able to control.*

2/8/2008

Randy, Thank you for the positive comments you observed and made regarding our work. I know that we consider complying with Rule-5 an important part of our work, and yet sometimes things can get away from you, even with the best of intentions. Please be assured that we will remediate this problem as weather conditions allow, and have already begun.

I am including a few pictures that I also took on Tuesday morning. #2 is looking east from the road x-ing; #3 is looking west from the same location; #10, 11, & 13 were taken from near the pipe discharge into the ditch and detention basin. The site is very flat and provides slow runoff. I think the picture indicate very little erosion, but also indicate no erosion controls... we will fix that.

Thanks!

Charles M. (Chuck) Coyle, P.L.S.
Site Design Coordinator
Force Design, Inc.
990 N. National Road
Columbus, Indiana 47201
Ph: (812) 372-8441
Fax: (812) 372-5424
ccoyle@forceco.com

-----Original Message-----

From: Randy Eggenspiller [mailto:utilitymanager@madison-in.gov]
Sent: Friday, February 01, 2008 12:47 PM
To: Coyle, Chuck
Cc: rboehm@idem.IN.gov
Subject: Arvin Sango site inspection (2-1-08)

Good afternoon Chuck, Ronald Boehm of IDEM and I did a site inspection today (2-1-08) of the 2 projects and we like the site grading and controls that have been installed. Here are a few problems that need to be corrected and I am requesting you submit a plan and schedule for my review.

#1- New Bldg.

- The bottom of all of the new drainage ditches on the west side needs erosion control.
- The out fall at the west end of the project needs an interior control structure to stop sediment.
- The disturbed area on the outside of the west structure requires erosion control and properly installed silt fence

#2- Bldg. Addition

- Erosion control is required around the soil stockpile on the west side of the roadway

Please call with questions and Have a great day

Randy Eggenspiller
Utility Manager
City of Madison
812-265-8326

2/8/2008

Appendix 4.3

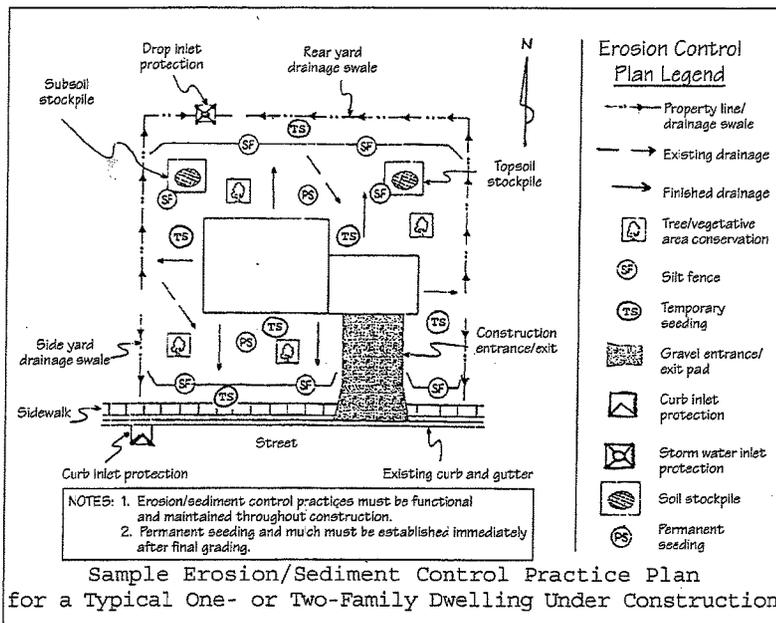
Information Distributed with New Construction Permits

Erosion & Sediment Control for Construction Sites

Technical Note: Individual Lot Protection

Soil erosion is a major concern on the individual building lot or construction site. Building lot erosion results from the area being disturbed during construction activities and installation of utilities. Generally, the site is left unprotected against raindrop impact and subsequent erosion caused by water moving across the bare surface. Erosion control is of utmost importance to reduce soil movement. Sediment moving off the site can clog drainage inlets, as well as cause water quality problems in streams.

Erosion Control Management Plan



An erosion and sediment control management plan is the first step in protecting the soil resource on the building lot.

Adequate preparation and installation of vital sediment control structures in the appropriate sequence will provide for protection of the land during the construction phase

Construction Sequence for Building Site Erosion Control Practices

- Select and mark off areas of trees, shrubs, and vegetation you wish to save with barrier fence.
- Install perimeter erosion and sediment control practices.
- Protect storm sewer inlets with filter fabric devices.
- Install stone or gravel for construction access and material delivery.
- Perform primary grading operations.
- Establish a temporary seeding on all bare areas and mulch with straw.
- Construct the building and install utilities.
- Grade site to final elevations.
- Immediately stabilize graded and bare areas with permanent seeding and mulch.
- Water both temporary and permanent seeded areas as needed until seeding has germinated and becomes established.
- Remove temporary sediment controls after final lawn is established.

Special Note: Inspect site and practices regularly for necessary modification, maintenance or repairs.

Soil & Water
Conservation
Districts of
Southeast
Indiana

Dearborn County SWCD
10729 Randall Avenue
Aurora, IN 47001-9388
812-926-2406 Ext. 3

Jefferson County SWCD
8382 W. SR 56
Hanover, IN 47243-9062
812-273-2070 Ext. 3

Ripley County SWCD
1981 S. Industrial Park Road
Versailles, IN 47042-9061
812-689-6410 Ext. 3

Switzerland County SWCD
105 East Pike Street
Vevay, IN 47043-1214
812-427-3126 Ext. 3



Specifications for Individual Lot Protection

Nearly all soil erosion and sediment problems can be controlled by:

- (1) Installing storm drain inlet protection on all inlets on the lot and in the street in front of the lot.
- (2) Applying a temporary seeding to the entire lot immediately after back filling against the foundation. This needs to be done before building supplies are delivered to the site.

Temporary Seeding

A temporary seeding is an erosion control practice that is needed on all bare areas to provide protection against soil movement. It is not intended to be a permanent lawn seeding, but simply a temporary erosion control practice.

- The seeding needs to be made within seven days on areas that are not planned to be disturbed for 15 days or more.
- Apply as early in the day as possible to benefit from moisture still in the surface layer.
- Protect with straw mulch at the rate of 90 lbs. per 1,000 square feet (2-3 bales) or 2 tons per acre.
- Apply 15 lbs. of 10-10-10 fertilizer per 1,000 square feet or 650 lbs. per acre.

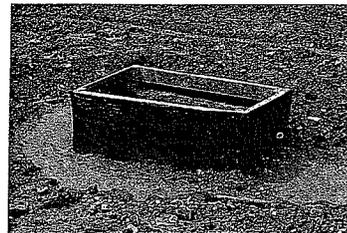
Temporary Seeding Recommendations

| Seed Species* | Rate (per acre) | Planting Depth | Optimum dates |
|-----------------|-----------------|----------------|------------------------|
| Wheat or Rye | 150 lb. | 1 to 1-1/2 in. | 9/15 to 10/30 |
| Spring Oats | 100 lb. | 1 in. | 3/1 to 4/15 |
| Annual Ryegrass | 40 lb. | 1/4 in. | 3/1 to 5/1, 8/1 to 9/1 |
| Sudangrass | 35 lb. | 1 to 2 in. | 5/1 to 7/30 |

*Perennial species may be used as a temporary cover, especially if the area will remain idle for more than a year.

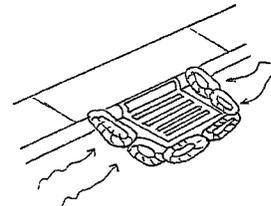
Storm Water Drain Inlet Protection

Protection is necessary around storm water inlets. This prevents sediment from entering inlets and clogging storm sewers and sediment being deposited in streams.



Surface inlets:

- Construct a wood frame around inlet.
- Tack wire mesh around outside of frame.
- Use geotextile fabric. Fasten one end securely to a corner post. Stretch tightly around outside of frame and overlap to the next end post. Tack the fabric securely around the top of the frame and on corner posts.



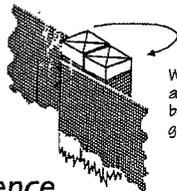
Permanent Seeding

- A permanent seeding with straw mulch will be made or sod will be applied as quickly as possible after final grading.
- The seeding will be established as described in the "Indiana Storm Water Quality Manual." This is available at the local conservation district office.

Maintenance

Maintenance is needed to assure success of all erosion and sediment control practices.

- Inspect weekly and after each rainstorm.
- Remove accumulated sediment.
- Repair damaged structures and reseed as needed.



Joining sections of silt fence

Wrap geotextile around stakes before driving into ground

Silt Fence

Silt fence is a sediment control structure made of geotextile fabric that restricts the movement of disturbed soil.

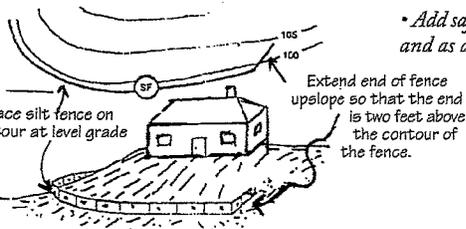
- Install before upslope excavation/grading begins.
- Place along the contour of the land and at least five feet from the base of the slope.
- Cut a trench 6 inches deep and bury the bottom 8 inches of the fabric.
- Stretch the fence until tight, placing the support stakes on the downslope side.
- Backfill the trench and compact.
- When joining sections, overlap fabric and wrap around stakes.
- Extend ends upslope approximately two feet in elevation.

Curb inlets:

- Fill geotextile bags about half full with two inch stone.
- Overlap bags onto curb and tightly place around the perimeter, about six inches away from the inlet.
- Layer if needed until height is equal to or higher than the elevation of the curb.

Safety Note:

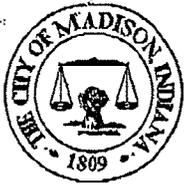
- Add safety barriers to protect the structure and as a warning to vehicles.



Typical Layout for Silt Fence

Appendix 5.1

City of Madison Post Construction MCM Compliance



City of Madison
WATER AND SEWAGE DEPARTMENT
Indiana's Oldest Water Company



101 W. MAIN STREET
MADISON, INDIANA 47250-3775
(812) 265-8312
FAX (812) 273-0575
madutil@madison-in.gov

27 Apr 07

Christina Lowry
Office of Water Quality
IDEM - Rule 13 Coordinator
100 N. Senate Ave.
Room 1201
Indianapolis, IN 46204-2251

File

Ms. Lowry,

Enclosed are the following documents certifying that the City of Madison has complied with the Post Construction MCM for Rule 13 - State Form 51274. Also attached is a copy of City Ordinance 2007-1 pertaining to the MCM.

We have also attached our first Monthly Summary Report of Construction Projects - State Form 51276.

Please call the number listed below if you have any questions.

Sincerely,

Steve Gill
Interim Utility Manager / City Engineer
City of Madison, IN
812-265-8326

Cc: Honorable Albert Huntington, Mayor
File



RULE 13 –
Certification of the Development, Implementation,
Management, and Enforcement of a Postconstruction
Storm Water Run-Off Control Program for the
Postconstruction Storm Water Run-Off Control MCM
 State Form 51274 (R4 / 12-03)
 INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

For questions regarding this form, contact:
 IDEM – Rule 13 Coordinator
 100 North Senate Avenue, Rm 1255
 P.O. Box 6016
 Indianapolis, IN 46206-6016
 Phone: (317) 234-1601 or
 (800) 461-6027, ext. 41601 (within Indiana)
 Web Access:
<http://www.in.gov/idem/water/npdes/permits/walw/tr/storm/rule13.html>

- NOTE:**
- This form must be used to comply with section 16(b) and (e) of 327 IAC 16-13.
 - The program required under this MCM must be implemented within seven hundred thirty (730) days of the Notice of Intent (NOI) letter submittal date.
 - Submit this completed form when the program has been developed and implemented.
 - Return this completed and signed form, and any required addenda by mail to the IDEM Rule 13 Coordinator at the address listed in the box on the upper-right.

CERTIFICATION AND SIGNATURE

The State of Indiana requires HONORABLE AL HUNTINGTON, MAYOR (MS4 Operator) to develop, implement, manage, and enforce a program to address discharges of postconstruction storm water run-off from new development and redevelopment areas within the regulated MS4 area from all development that disturbs one (1) acre or more of land. As part of this program, an ordinance or other regulatory mechanism must be created or modified, and a written operational and maintenance plan for all structural storm water Best Management Practices (BMPs) must be developed and implemented. This program, associated legal authorities and plan must be implemented within seven hundred thirty (730) days of the Notice of Intent (NOI) letter submittal date.

► The following statement, required by the State of Indiana, and the accompanying signature serve as the required certification that the program has been developed and implemented per the requirements of 327 IAC 15-13 and authorized under NPDES permit number INR040 061.

"I certify, under penalty of law, that this program and all required documents and materials were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the above statement is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Authorized Signature¹: Albert H. Huntington Date: 4/27/07
(initials/last name)

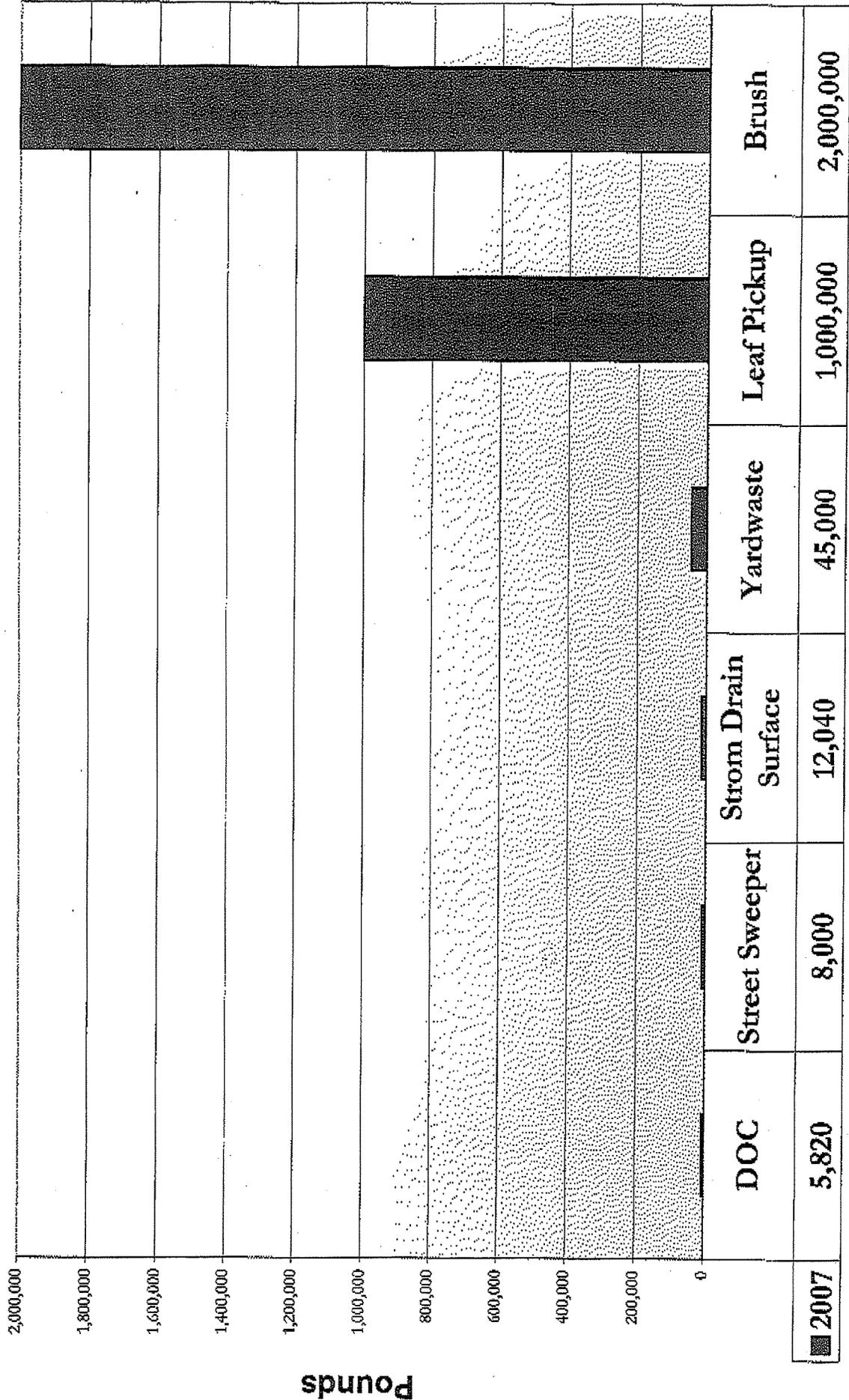
Title²: HONORABLE MAYOR - MS4 OPERATOR
(typed or printed)

¹The "authorized signature" required above must be either that of the MS4 operator, or, if another entity is responsible for this MCM, the responsible individual.
²The "title" must either be "MS4 operator", or, if a responsible individual signs, the title of that individual and associated MS4 entity represented (for example, mayor of the City of Indianapolis).

Appendix 6.1

Summary of Amount of Material Collected During Permit Year 04

City of Madison
Compost



Appendix 6.2

City of Madison Street Sweeper

**CITY OF MADISON, INDIANA
STORMWATER PROGRAM**

Street Sweeper



Appendix 6.3

City of Madison Street Sweeper Schedule



City of Madison
 WATER AND SEWAGE DEPARTMENT
Indiana's Oldest Water Company



101 W. MAIN STREET
 MADISON, INDIANA 47250-3775
 (812) 235-8312
 FAX (812) 273-0575
 madutil@madison-in.gov

3/26/2008

STREET SWEEPER SCHEDULE
 4am to Noon

1st. and 3rd. Weeks North and East sides of Streets will be cleaned
 2nd. and 4th. Weeks South and West sides of Streets will be cleaned

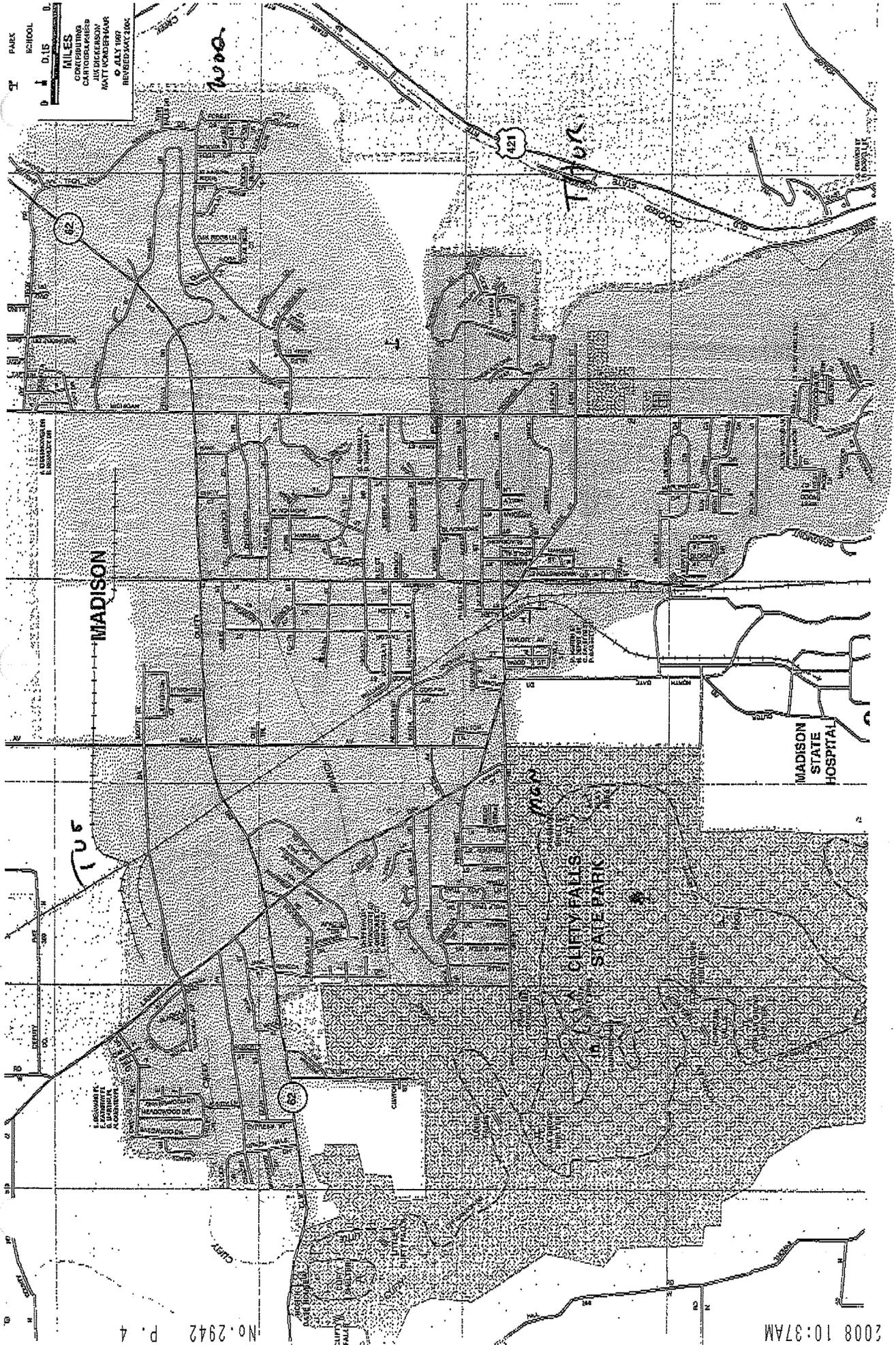
DOWNTOWN AREAS

Monday south of Main St. and west of West St.
 Tuesday north of Main St. and west of West St.
 Wednesday north of Main St. and east of West St.
 Thursday south of Main St. and east of West St.

HILLTOP AREAS

Monday south of Hendricks St. and west of Cragmont St.
 Tuesday north of Hendricks St. and west of Cragmont St.
 Wednesday north of Mouser St. and east of Cragmont St.
 Thursday south of Mouser St. and east of Cragmont St.

PARK SCHOOL
 0 1 2 3 4 5 6
 D I L S
 MILES
 CHECKED BY
 C. H. JOHNSON
 J. H. JOHNSON
 MATT WARDENBAUM
 © JULY 1967
 REVISED MAY 2008



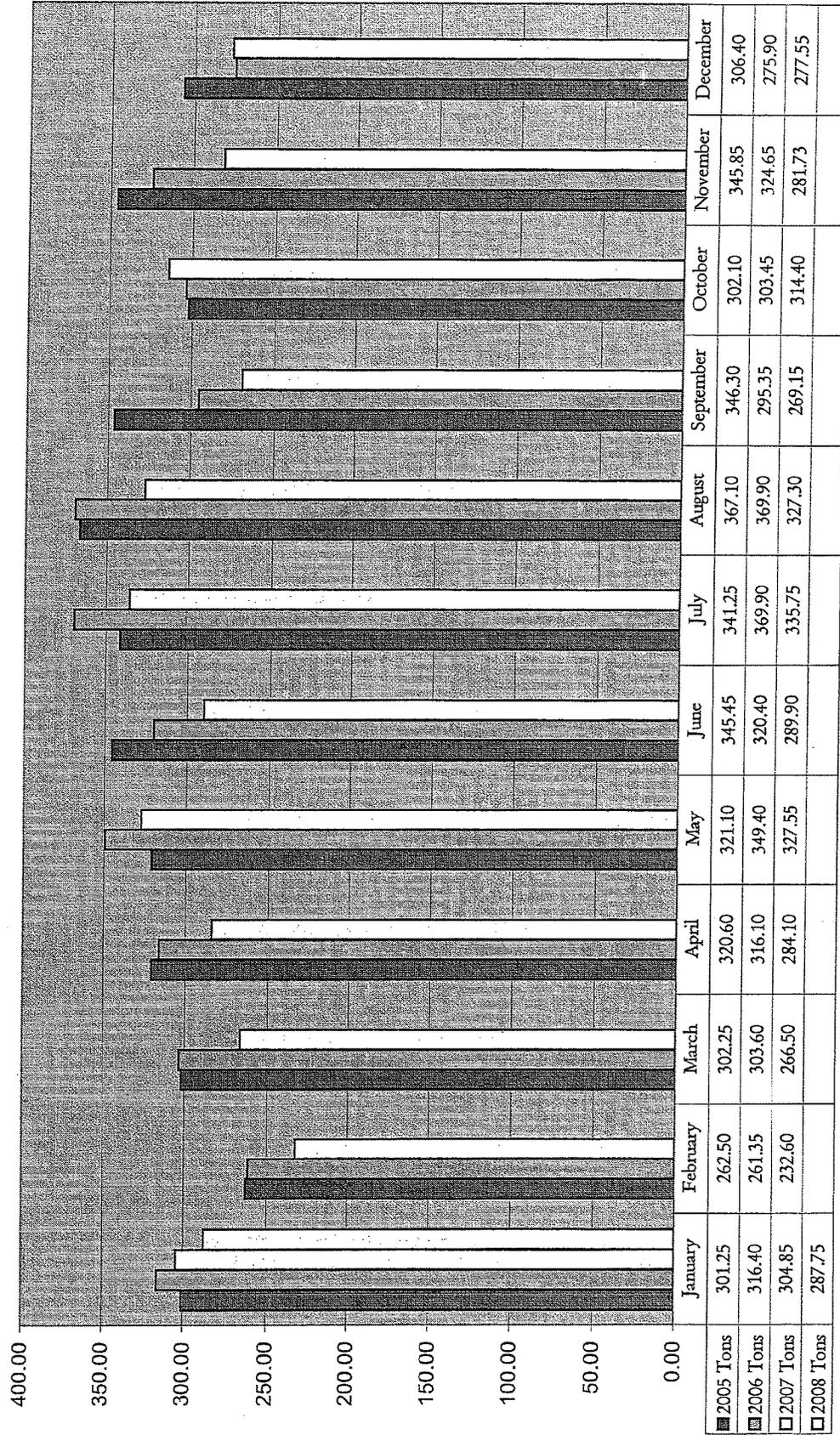
No. 2942 P. 4

Apr. 21. 2008 10:37AM

Appendix 6.4

City of Madison Trash Collection

City Tonnage @ Transfer Station



3862.15
3806.40
3511.38

■ 2005 Tons ■ 2006 Tons □ 2007 Tons □ 2008 Tons

Appendix 6.5

City of Madison Trash Collection Policy

Help us Keep Madison Clean!

The City of Madison Street Department provides several different types of services for our community.

- We provide labor, equipment, barricades, barrels, and fence for all special events, which include, Regatta, Madison Chautauqua of the Arts, Ribberfest, Soup, Stew, Chili & Brew and many others.
- We provide stage set up for special music groups and events.
- We have a Sidewalk Program where we supply the labor and the owner pays for the concrete.
- We provide patching, sign replacement, and street snow removal.
- We operate a Transfer Station facility.

For more details about the above services please call the City Hall at 265-8301 or the Street Dept. at 265-8304.



City of Madison Directory
Mayor: 265-8300
Purchasing & Personnel: 265-8300
City Hall: 265-8300 or 265-8301
Street Department: 265-8304 or 265-8306
Parks Department: 265-8308
Water & Sewer: 265-8312
Clerk Treasurer: 265-8316
Special Projects: 265-8322
Plan Commission: 265-8324
Police Department: 265-3347
Fire Chief: 265-8350



Cooperative litter-free Environmental Action Network



www.siswd.com

For a detailed weekly schedule call the
Courier Connection at 265-3620 ext.
7016

City Collections

Working together to keep our community clean

**MADISON STREET
DEPARTMENT**
www.madison-in.gov

