

2012

Phase II Municipal Separate Storm Sewer Systems (MS4s)

Annual Report

For

The City of Morgantown, WV

Prepared by



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INTRODUCTION

This report has been prepared for the City of Morgantown's National Pollutant Discharge Elimination System (NPDES) Phase II, Municipal Separate Storm Sewer Systems (MS4) program requirements by the Morgantown Utility Board (MUB), which is the stormwater utility for the City of Morgantown. The report has been separated into six sections as outlined in the MS4 permit application. In addition, pages 9-11 have been provided outlining the MUB's expenditures from October 2011 through September 2012.

Tasks performed during the 2011 report year are shown for each of the six sections. MUB has continued our previously developed programs for each of the six minimum controls as described below. MUB will continue with each of our programs during the coming year.

1.0 PUBLIC EDUCATION AND OUTREACH

MUB has continued our public education and outreach program during the past year. The previously installed informational kiosks have been maintained to continue to inform the public about local water resources. MUB has continued its involvement with neighborhood and watershed groups. Involvement with the Household Hazard Waste Collection Day (HHWCD) program by providing financial and administrative support has continued. The stormwater hotline located on the MUB website has continued. MUB has continued to promote the use of "green" technologies, where appropriate, for new projects.

Summary of Public Education and Outreach BMPs completed during this reporting period:

- A. Continued partnerships with local organizations to promote knowledge and protection of their community's drainage basin
 - a. Girl Scouts
 - i. Provided stormwater educational materials to Girl Scout Troop October 20, 2011
 - ii. Provided local Girl Scout Troop with educational materials January 19, 2012
 - b. Local Schools
 - i. Mylan Park Elementary-Provided a stormwater presentation to 80 first grade students April 24, 2012
 - ii. Covenant Christian School- Provided stormwater education to 30 middle school students May 8, 2012
 - iii. Science Fair- judged science fair projects and provided stormwater education to students May 24, 2012
 - c. Malloween
 - i. Provided educational materials to mall visitors October 27, 2011
 - d. Friends of Deckers Creek
 - i. Deckers Creek Adventure Day on October 9, 2011
 - ii. Impact E.A.R.T.H on April 28, 2012

e. WVU Hospital

- i. Kid's Fair at the Morgantown Mall April 21, 2012

B. Online stormwater hotline

- i. MUB received 8 comments through the online website this reporting period.

C. Promotion of using "green" technologies during City Technical Review Meetings, stormwater plan design reviews, etc.

- i. MUB attended 5 Technical Review meetings this reporting period.

2.0 PUBLIC PARTICIPATION AND INVOLVEMENT

MUB continued public participation and involvement programs that began in previous years. Participation with local neighborhood associations continued to increase awareness of stormwater issues. MUB continued the storm drain stenciling program to provide markings on storm drains to remind the public of the hazards of illegally dumping chemicals. Partnerships with local environmental groups and municipal agencies to provide HHWCD's continued. No new BMP's were completed during the 2012 reporting period. Currently, MUB plans on continuing our existing BMP's during the coming year.

Summary of Public Participation and Involvement BMPs completed during this reporting period:

- A. Continued partnerships with neighborhood associations and environmental organizations
(Please refer to 1.0 for a list.)
- B. Continued partnerships with local schools.
(Please refer to 1.0 for a list.)
- C. Continued involvement with HHWCD

3.0 ILLICIT DISCHARGE DETECTION AND ELIMINATION

The MUB's illicit discharge detection and elimination program has continued during the past year. Non-compliant residential and commercial discharges have been identified during inspections and testing. Historic data continues to be reviewed to eliminate known sources of illicit discharges and to improve the current storm system mapping. MUB has continued involvement in the HHWCD, which helps increase public awareness of the importance of properly disposing of common household products that can be detrimental to the environment.

Training of employees has continued to heighten awareness of employees that work in the community. This training helps employees understand what illicit discharges are and why it is important to eliminate this source of pollution. Coordination with the City of Morgantown is underway to complete a training program for municipal employees.

Summary of Illicit Discharge Detection and Elimination BMPs completed during this reporting period:

- A. Continued detecting and addressing illicit discharges by:
 - b. Performing dye tests
 - i. MUB conducted 250 dye tests of structures this reporting period.
 - c. Responding to Storm and Odor Complaints
 - i. MUB received and responded to 8 comments from the website and 39 stormwater complaint calls from customers this reporting period.
 - d. Disconnecting sanitary drains from storm system
 - i. MUB issued 26 disconnect letters as the result of dye testing structures this reporting period.
- B. Location and identification of private outfalls has continued, as needed.
- C. Location and identification of new MS4 outfalls are documented and mapped as system additions are constructed.

4.0 CONSTRUCTION SITE RUNOFF PROGRAM

The construction site runoff program has continued to develop and be refined. MUB has reviewed 200 permits since the 2011 Annual report. Participation has continued in 5 technical review committee meetings with MUB and the City of Morgantown's Engineering, Fire, Code Enforcement, and Planning departments contributing to this effort.

The stormwater permit database and GIS mapping has continued as previously described in our Annual Reports. The database and mapping continues to increase the efficiency of the stormwater permit process. In addition, enforcement is more effectively implemented with the use of the database and mapping.

MUB intends to continue our current Construction Site Runoff BMP's during the coming year as previously discussed. No new BMP's were implemented during the 2012 reporting period.

Summary of Construction Site Runoff Control BMPs completed during this reporting period:

- A. Continued enforcement of Article 929 (Local Stormwater Ordinance)
- B. Continued participation in the City Technical Committee Review Meetings
 - i. MUB attended 5 Technical Committee Review Meetings this period.
- C. Continued review of site plans for projects in MUB's jurisdiction
 - i. MUB reviewed 200 Stormwater permit application and approved 181 this reporting period.
- D. Continued site inspections and enforcement of approved site plans and BMP's
- E. Refinement of GIS mapping and database of permit sites to increase inspection efficiency

5.0 POST-CONSTRUCTION RUNOFF CONTROL

MUB has continued its Post-Construction Runoff Control BMP's as previously reported. No new Post-Construction Runoff Control BMP programs were implemented during this reporting period. MUB intends to continue our current Post-Construction Runoff Control BMP's during the coming year as previously discussed.

Summary of Post-Construction Runoff Control BMPs completed during this reporting period:

- A. Continued enforcement of Article 929 (Local Stormwater Ordinance)
- B. Continued participation in the City Technical Committee Review Meetings
 - i. MUB attended 5 Technical Committee Review meetings this reporting period.
- C. Continued review of site plans for projects in MUB's jurisdiction
 - i. MUB reviewed 200 Stormwater permit application and approved 181 this reporting period.
- D. Continued site inspections and enforcement of approved site plans and BMP's
- E. Refinement of GIS mapping and database of permit sites to increase inspection efficiency
- F. Further incorporated GIS mapping and database of permit sites to increase inspection efficiency

6.0 POLLUTION PREVENTION AND GOOD HOUSEKEEPING

MUB has continued its Pollution Prevention and Good Housekeeping BMP's as previously reported. No new Pollution Prevention and Good Housekeeping BMP programs were implemented during this reporting period. MUB intends to continue our current Pollution Prevention and Good Housekeeping BMP's during the coming year as previously discussed.

Summary of Pollution Prevention and Good Housekeeping BMPs completed during this reporting period:

- A. Maintenance activities were continued, including:
 - a. Manhole and Storm Drop Inspections
 - b. White Orders for routine ditch, storm sewer, and culvert cleaning
 - c. Work orders for installation of new storm sewer and culverts
- B. Continued the proper disposal of construction and maintenance waste at appropriate sites.
- C. The development of a comprehensive pollution prevention plan has continued for use in daily municipal operations.

**MORGANTOWN UTILITY BOARD'S STORMWATER
EXPENDITURES**

CAPITAL IMPROVEMENTS 2011-2012

<u>Job Number</u>	<u>Job Description</u>	<u>Current Month Activity</u>
S4.109	NEW SERVICES	530.19
S4.110	ADDITION TO SERVICES	10,432.96
S4.209	RENEWAL SERVICES	5,543.49
ST-170	SHOP ACCESS ROAD	18,784.73
ST-181	IN.STORM LN.@308 HARDY&GRANT	2,364.00
ST-183	LONE ALLEY -SINK HOLE	330.43
ST-185	STORM SEW EXT- BAIRD STREET	9,241.69
ST-186	12"STRM@GRANDVIEW-1TYPE B INLT	20.50
ST-189	STRM EXT-NEAR RICHWOOD@HARTMAN	32,122.57
ST-196	RICHARD MINE AMD PROJECT	15,699.68
ST-198	RE.12"STRM LN.-DON KNOTTS BLVD	171.01
ST-200	REPAIR-BRAEWICK WOODS STRM SYS	109,219.52
ST-202	GIS PROJECT 2011	5,227.18
ST-205	90'-12"STM.-617,621,625 RICHWD	6,298.02
ST-207	RE.6"STM LN.415/417 SHARON AVE	128.02
ST-209	HARTMAN RUN/RT 7 IMPROVMNTS	20,804.06
ST-210	412MORGAN ALLEY- IN.30' OF 12"	37.00
ST-213	APOLLA-REP. EXIST. 12" CULVERT	429.62
ST-214	20'-SDR35 -100 PENINSULA BLVD.	4,089.01
ST-217	15'-STM & NLET-WV ALLY&MISS ST	3,892.61
ST-218	6TH ST-1 MH-STM TAP-SENECA CTR	7,357.95
ST-220	36' STRM-JEROME ST& JERSEY AVE	765.37
ST-221	32 ' - 8" PIPE-KOONTZ AVE.	1,366.71
ST-223	IMPRVMENTS NEAR 379 LAUREL ST.	272.33
ST-224	SINK HOLE REMEDIATN-612 8TH ST	365.00
ST-228	12"PVC&CURB INLTS ALNG LILLIAN	6,937.32
ST-229	1210 MILTON ST-REPAIR STRM LN.	8,552.25
ST-230	DOGWOOD AV-TYPE B INLT&SDR-35	116.71
ST-231	100' LN EXT FOR STEWART ST	7,884.73
ST-232	JOHNSON AV-TYPE B NLET&12"PIPE	268.18
ST-233	REPAIR 12" LN NEAR 227 BRADLEY	7,624.98
ST-234	CHESTNUT-12"HDPE&1 TYPE B INLT	4,698.32
ST-236	REL.15" STM.LN@STERLING COMMON	16,674.72
ST-237	MH-NR CHATEAU ROYALE&RICE RENT	8,066.74
ST-238	STRM IMPROVEMENTS-KILLARNEY	4,596.77

ST-239	HERMAN AVE-TYP B NLET&40' PIPE	672.32
ST-240	MILTON/DARST-INSTALL 20' SDR35	69.54
ST-241	JEROME PK-210'-12"STM.-HABITAT	580.76
ST-242	SABRATON AVE -22' OF 8" STORM	61.82
ST-243	45'HDPE STORM NEAR FFCU PINEVI	8,012.76
ST-244	JONES AV-REP. 33 LF-12" HDPEP	124.49
ST-245	MILFRD-RE 800' CLAY WTH 12"PVC	278.16
ST-246	CARNEGIE-1 TYP B INLT&12" PIPE	9,638.92
ST-247	677 SOUTHVW DR.-REP.8" CULVERT	500.79
ST-249	244 MCLANE-84'STRM&TYP B INLET	56.49
ST-250	26' EXT/INLET MAPLE DRIVE	88.25
STB0056	STORM TAP 116 THIRD STREET	4,178.24
STB0057	STORM TAP 44 JONES AVENUE	3,534.57
STB0058	STORM TAP 239 MORRIS ST.	900.91
STP-004	FORD F150 FOR ENG.DEPT.	17,924.00
STP-005	6' FIBERGLASS CAMPER SHELL	1,406.00
		\$368,942.39

MORGANTOWN UTILITY BOARD'S
STORMWATER EXPENDITURES

MONTHLY O&M REPORT 2011-2012

	Oct-10		28,263.48		
	Nov-10		18,482.92		
	Dec-10		18,521.11		
	Jan-11		23,556.02		
	Feb-11		29,917.01		
	Mar-11		24,732.38		
	Apr-11		39,478.21		
	May-11		25,852.21		
	Jun-11		14,585.32		
	Jul-11		15,631.69		
	Aug-11		30,170.52		
	Sep-11		25,646.25		
			TOTAL		\$ 294,837.12