

2011

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 been provided outlining the MUB's expenditures from October 2010 through September 2011.

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. West Virginia Botanic Garden
 - i. MUB presented educational materials at the "Green Gathering" held at the WV Botanic Gardens on May 8 2010
 - b. Monongalia County Students
 - i. MUB held a poster contest to celebrate "Water Week" for children ages 5-13 during May 2-8, 2010
 - c. Friends of Deckers Creek
 - i. MUB presented educational materials at Decker's Creek Adventure Day on October 3, 2010
 - d. Monongalia County Residents
 - i. MUB sponsored Household Hazardous Waste Collections Day at Miller Environmental on October 16, 2010
 - e. Girl Scouts
 - i. MUB held a storm drain marking exercise with Brownie Troop 4556 in the First Ward in Morgantown on October 18, 2010

B. Online stormwater hotline

- i. MUB received 5 comments via the online stormwater hotline this reporting period.
- ii. MUB received 45 stormwater customer complaint calls this reporting period.

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

- i. MUB attended 15 Technical Committee 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 2011 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 completed 322 dye tests of structures this reporting period.
 - c. Responding to Storm and Odor Complaints
 - i. MUB received 45 customer complaint calls this reporting period.
 - d. Disconnecting sanitary drains from storm system
 - i. MUB issued 58 Disconnect letters as a result of failed dye tests this reporting period.
- B. Furthered educational outreach with public employees, businesses, and the general public about the hazards associated with illicit discharges
- C. Location and identification of private outfalls has continued, as needed.
- D. 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 139 permits since the 2010 Annual report. Participation has continued in 15 technical review committee meetings with MUB and the City of Morgantown's Engineering, Fire, Code Enforcement, and City 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 2011 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 15 Technical Committee Review Meetings this reporting period.
- C. Continued review of site plans for projects in MUB's jurisdiction
 - i. MUB reviewed 139 Stormwater permit applications and approved 122 stormwater permits 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 15 Technical Committee Review Meetings this reporting period.
- C. Continued review of site plans for projects in MUB's jurisdiction
 - i. MUB reviewed 139 Stormwater permit applications and approved 122 stormwater permits 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
- 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 2010-2011

<u>Job Number</u>	<u>Job Description</u>	<u>Current Month Activity</u>
S4.109	NEW SERVICES	72.91
S4.110	ADDITION TO SERVICES	12,936.98
S4.209	RENEWAL SERVICES	734.33
ST-003	BURROUGHS RUN DRAINAGE BASIN	20,804.32
ST-151	2008-2009 PUBLIC OUTREACH	25.99
ST-155	SHOP FILL AREA	100.00
ST-164	IN.6"SDR & DRAIN @1317 DOGWOOD	10.40
ST-170	SHOP ACCESS ROAD	172,346.19
ST-175	12"PIPE FRONT ST.- E. BROCKWAY	43.75
ST-181	IN.STORM LN.@308 HARDY&GRANT	58,675.82
ST-182	IN.STORM LN & INLET@ CURTIS ST	0.00
ST-188	UPGRADE DITCHES ALONG TYSON ST	73.84
ST-192	DIAMOND AVE. (144)-STORM EXT.	91.19
ST-194	DILLIE&EVANS-UPGRADE STRM LINE	16,630.50
ST-195	RICHWOOD AVE(704)STORM UPGRADE	15,945.13
ST-196	RICHARD MINE AMD PROJECT	2,204.63
ST-198	RE.12"STRM LN.-DON KNOTTS BLVD	156.25
ST-199	2 INLTS,20' PIPE-1233 UNIV. AV	9,171.24
ST-200	REPAIR-BRAEWICK WOODS STRM SYS	722.73
ST-201	WHITE ALLEY (135 WILLEY) - 12"	7,873.73
ST-202	GIS PROJECT 2011	4,498.04
ST-203	ALUM ST. IN.1 INLET & 25' PIPE	91.19
ST-204	EXT.24" STORM LN.- HITE ST.	259.61
ST-205	90'-12"STM.-617,621,625 RICHWD	11.00
ST-206	WWTP-20'-18" HDPE STORM LINE	0.00
ST-207	RE.6"STM LN.415/417 SHARON AVE	6,529.01
ST-208	IN.SDR35@BATTLE & CLINTON AVE.	302.83
ST-209	HARTMAN RUN/RT 7 IMPROVMNTS	34,609.91
ST-210	412MORGAN ALLEY- IN.30' OF 12"	3,402.75
ST-211	VINTNER RESERVE 190'STORM LINE	7,406.34
ST-213	APOLLA-REP. EXIST. 12" CULVERT	34.77

ST-214	20'-SDR35 -100 PENINSULA BLVD.	125.24	
ST-215	331 BEECHURST-STM.LN.&2 INLETS	17,523.38	
ST-218	6TH ST-1 MH-STM TAP-SENECA CTR	0.00	
ST-220	36' STRM-JEROME ST& JERSEY AVE	1,497.62	
ST-221	32 ' - 8" PIPE-KOONTZ AVE.	31.31	
ST-222	EASTERN-60'HDPE PIPE-CONTRACTR	6.65	
ST-223	IMPRVMENTS NEAR 379 LAUREL ST.	8,451.04	
ST-224	SINK HOLE REMEDIATN-612 8TH ST	41,051.19	
ST-225	SOUTHVIEW/VV RD-COLLECT. DITCH	1,473.00	
ST-226	LUCKY LANE/DORSEY-REP. CULVERT	5,974.12	
ST-227	MONTROSE (NEAR 917) IN.12" PVC	78.27	
ST-228	12"PVC&CURB INLTS ALNG LILLIAN	156.54	
STB0036	TAP 525,527 GRANT AVENUE	273.90	
STB0047	STORM TAP - 2700 UNIVERSITY AV	9,614.51	
STB0048	TAP @ FIRST ST(NEAR QUAY ST)	3,674.44	
STB0050	TAP- 312 GRANT AVENUE	2,186.57	
STB0052	TAP- 740 COURTNEY AVENUE	3,681.92	
STB0053	tap @ 160 Greenbrier St.	679.48	
STB0054	STORM TAP @ 424 ELM STREET	1,609.54	
STB0055	TAP -1587 EARL L CORE RD	1,897.63	
			\$475,751.73

MORGANTOWN UTILITY BOARD'S
STORMWATER EXPENDITURES

MONTHLY O&M REPORT 2010-2011

	Oct-10	\$ 28,266.97	
	Nov-10	\$ 18,856.29	
	Dec-10	\$ 18,419.92	
	Jan-11	\$ 23,122.58	
	Feb-11	\$ 18,335.90	
	Mar-11	\$ 35,751.20	
	Apr-11	\$ 34,452.45	
	May-11	\$ 33,314.69	
	Jun-11	\$ 24,685.34	
	Jul-11	\$ 24,193.13	
	Aug-11	\$ 33,609.42	
	Sep-11	\$ 25,492.08	
		TOTAL	\$ 318,499.97