

Public Works Stormwater Program Update and Fee Review

City Council Presentation
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Department of Public Works

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Stormwater Program Update

2013 – 2018 Permit Cycle Requirements

- Municipal Separate Storm Sewer System (MS4) Regulations
- Special Conditions for Chesapeake Bay TMDL
- TMDL Action Plan Guidance

Additional Guidance Documents

- DEQ BMP Clearinghouse
- Chesapeake Bay Program

Stormwater Program Update

Table 1
Chesapeake Bay TMDL Pollutant Removal
2013-2018 Permit

Pollutant	1st 2013 - 2018	2nd 2018 - 2023	3rd 2023-2028	TOTAL Estimated Pollutant
<i>Phosphorous (lbs/yr)</i>	34	236	404	673
<i>Nitrogen (lbs/yr)</i>	347	2,430	4,167	6,944
<i>Total Suspended Solids (lbs/yr)</i>	37,978	265,848	455,739	759,566

Implemented Projects	<u>BMPs</u>	<u>TP (lb)</u>	<u>TN (lb)</u>	<u>TSS (lb)</u>
	Street Sweeping (Mass Loading)	630	2,037	244,411
	Total Removal Provided	630	2,037	244,411

1st Permit Cycle 2013 to 2018	Total Removal Required 1st Cycle	34	347	37,978
	Total Amount Removed	630	2,037	244,411
	Amount Remaining to Achieve	Achieved	Achieved	Achieved

Stormwater Program Update

Projects Under Development

- East Market Street RSC – Fully Funded with DEQ SLAF Grant.
- Northend Greenway Stream Restoration – FY17 Budget
- Stormwater Improvement Plan (SWIP) – FY17 Budget

Stormwater Program Update

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Implemented Projects	BMPs	TP (lb)	TN (lb)	TSS (lb)
	Street Sweeping (Mass Loading)	630	2,037	244,411
	Total Removal Provided	630	2,037	244,411

1st Permit Cycle 2013 to 2018	Total Removal Required 1st Cycle	34	347	37,978
	Total Amount Removed	630	2,037	244,411
	Amount Remaining to Achieve	Achieved	Achieved	Achieved

Planned Projects	BMPs	TP (lb)	TN (lb)	TSS (lb)
	East Market Street	22.56	180.00	13,750.00
	NEG Stream Restoration	170.00	188.00	620,000.00
	Total Removal Planned	193	368	633,750

2nd Permit Cycle 2018 to 2023	Total Removal Required 2nd Cycle	269	2,778	303,826
	Total Amount Removed	823	2,405	878,161
	Amount Remaining to Achieve	Achieved	373	Achieved

3rd Permit Cycle 2023 to 2028	Total Removal Required Total	673	6,944	759,566
	Total Amount Removed	823	2,405	878,161
	Amount Remaining to Achieve	Achieved	4,539	Achieved

Stormwater Fee Review

Current Fee = \$10.50 / year / billing unit

Adjusted Fee = \$6.00 / year / billing unit

Expenditure

Budget Code	Description	FY17 Approved	FY17 Adjusted
452041	Stormwater Management	\$578,018	\$578,018
472041	Capital Outlay	\$465,000	\$250,000
910541	Capital Projects	\$1,676,000	\$825,000
	Totals	\$2,719,018	\$1,653,018

Revenue

Budget Code	Description	FY17 Approved	FY17 Adjusted
31010	Amount from Fund Balance	\$742,696	\$343,405
31600	Charges for Services	\$1,976,322	\$1,309,613
	Totals	\$2,719,018	\$1,653,018

Stormwater Fee Review

Table 2
Chesapeake Bay TMDO Pollutant Removal
2018-2028 Permit

Pollutant	1st 2018 - 2018	2nd 2018 - 2023	3rd 2023-2028	TOTAL Estimated Pollutant
Phosphorous (lbs/yr)	34	236	404	673
Nitrogen (lbs/yr)	347	2,430	4,167	6,944
Total Suspended Solids (lbs/yr)	37,978	265,848	455,739	759,566

BMPs	TP (lb)	TN (lb)	TSS (lb)	
Street Sweeping	32	104	47884	
	NEG CREDIT RESTORATION	170	100	020000
	Storm Drain Cleaning	99	446	0
	Total Removal Planned	324	918	681,634

2nd Permit Cycle 2018 to 2023	Total Removal Required 2nd Cycle	269	2,778	303,826
	Total Amount Removed	324	918	681,634
	Amount Remaining to Achieve	Achieved	1860	Achieved

3rd Permit Cycle 2023 to 2028	Total Removal Required Total	673	6,944	759,566
	Total Amount Removed	324	918	681,634
	Amount Remaining to Achieve	349	6,027	77,932