

APPENDIX I

STREET SWEEPING POLLUTANT LOAD CALCULATIONS

Sweeping History

Year	Volume (cy)
2013	469
2012	626
2011	694
2010	687
2009	603
Ave	615.8

615.8 CY = 16,605 CF

Convert to Nutrient Removal with FSA calculator

Enter Volume of Solids⁽¹⁾ Removed - Calculate Equivalent Dry Weight

FSA 2012

Category of Maintenance Activity	For Wet or Dry Solids by Volume ⁽²⁾			Calculated Equivalent Dry Weight Collected (Kilograms)
	Enter Volume of Collected Solids Cubic Feet	Enter Dry Bulk Density Solids Lb/C.F.	Calculated Weight of Dry Solids (Pounds)	
Street Sweepings	16,605	85	1,409,765	639,469
Catch Basin Cleanout	0	85	0	0
BMP Cleanout	0	85	0	0

GREEN Denotes Cells for DATA ENTRY
BLUE Denotes Calculation Results

NOTES:

1. "Particulate Matter" from the FSA Final Report is defined as "Solids" for use in this spreadsheet.
2. For measurements of volume, include approximate dry bulk density;
use the default bulk density of 1.36 or 84.9 pounds per cubic foot until confirmed by sampling.

Calculated Nutrient Load Reductions from MS4 Maintenance Practices

FSA 2012

TOTAL PHOSPHORUS

		Subtotal TP Removed (Kilograms)	Subtotal TP Removed (Pounds)
Street Sweepings - Dry Mass Collected (Kg)	639,469		
Amount of TP Removed (Kilograms)	231	231	509
Catch Basins - Dry Mass Collected	0		
Amount of TP Removed (Kilograms)	0	0	0
BMP - Dry Mass Collected	0		
Amount of TP Removed (Kilograms)	0	0	0
GRAND TOTAL TP REMOVED (KILOGRAMS) =		231	
GRAND TOTAL TP REMOVED (POUNDS) =			509

TOTAL NITROGEN

		Subtotal TN Removed (Kilograms)	Subtotal TN Removed (Pounds)
Street Sweepings - Dry Mass Collected (Kg)	639,469		
Amount of TN Removed (Kilograms)	360	360	794
Catch Basins - Dry Mass Collected	0		
Amount of TN Removed (Kilograms)	0	0	0
BMP - Dry Mass Collected	0		
Amount of TN Removed (Kilograms)	0	0	0
GRAND TOTAL TN REMOVED (KILOGRAMS) =		360	
GRAND TOTAL TN REMOVED (POUNDS) =			794