

APPENDIX 3 – UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) BEST MANAGEMENT PRACTICES

This menu of best management practices is based on the Stormwater Phase II rule's six minimum control measures as mandated by the United States Environmental Protection Agency (USEPA). These control measures include: public education to inform individuals and households about ways to reduce stormwater pollution; public involvement; illicit discharge detection and elimination for identifying and eliminating discharges and spills to storm drain systems; construction; post-construction for developers, and property owners to address stormwater runoff after construction activities have completed; and pollution prevention for MS4s to address stormwater runoff from their own facilities and activities.

The amount of information that is available at no cost to jurisdiction is greater than the space allotted for this appendix. In order to give Pottstown a comprehensive understanding of the breadth and depth of the resources available, this section will include the USEPA internet-based document library URL for each of the minimum control measures and their associated sub-categories. Each sub-category will have a detailed list of actionable items and reference documents available for free download.

1. Public Education

http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm?action=min_measure&min_measure_id=1

- a. Developing Municipal Outreach Programs
 - i. Developing an Outreach Strategy
- b. Promoting the Stormwater Message
 - i. Classroom Education on Stormwater
 - ii. Stormwater Outreach for Commercial Businesses
 - iii. Tailoring Outreach Programs to Minority and Disadvantaged Communities and Children
 - iv. Using the Media
- c. Stormwater Outreach Materials
 - i. Educational Displays, Pamphlets, Booklets, and Bill Inserts
 - ii. Promotional Giveaways
 - iii. Stormwater Outreach Materials
- d. Education for Homeowners
 - i. Alternatives to Toxic Substances
 - ii. Chlorinated Water Discharge Options
 - iii. Landscaping and Lawn Care
 - iv. Pest Control
 - v. Pet Waste Management
 - vi. Proper Disposal of Household Hazardous Wastes
 - vii. Residential Car Washing
 - viii. Trash and Debris Management
 - ix. Water Conservation Practices for Homeowners
- e. Education for Businesses

- i. Automobile Maintenance
- ii. Pollution Prevention for Businesses
- iii. Promoting Low Impact Development

2. Public Involvement

http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm?action=min_measure&min_measure_id=2

- a. Stormwater Related Activities
 - i. Adopt-A-Stream Programs
 - ii. Reforestation Programs
 - iii. Storm Drain Marking
 - iv. Stream Cleanup and Monitoring
 - v. Volunteer Monitoring
 - vi. Wetland Plantings
- b. Soliciting Public Opinion
 - i. Attitude Surveys
 - ii. Stakeholder Meetings
 - iii. Watershed Organizations

3. Illicit Discharge Detection and Elimination

http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm?action=min_measure&min_measure_id=3

- a. Developing an Illicit Discharge Detection and Elimination Program
 - i. Illicit Discharge Detection and Elimination Program Development
 - ii. Reducing the Occurrence of SSOs
- b. Trash and Illegal Dumping
 - i. Developing a Used Oil Recycling Program
 - ii. Illegal Dumping Control
 - iii. Trash and Debris Management
- c. Decentralized Wastewater
 - i. Preventing Septic System Failure
 - ii. Sewage from Recreational Activities
- d. Public Reporting
 - i. Community Hotlines

4. Construction

http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm?action=min_measure&min_measure_id=4

- a. Municipal Program Oversight
 - i. Construction Phase Plan Review
 - ii. Contractor Training and Certification
 - iii. Local Ordinances for Construction Site Runoff Control
 - iv. Municipal Construction Inspection Program
- b. Construction Site Planning and Management
 - i. Construction Sequencing
 - ii. Construction Site Operator BMP Inspection and Maintenance
 - iii. Land Grading

- iv. Preserving Natural Vegetation
- c. Erosion Control
 - i. Chemical Stabilization
 - ii. Compost Blankets
 - iii. Dust Control
 - iv. Geotextiles
 - v. Gradient Terraces
 - vi. Mulching
 - vii. Riprap
 - viii. Seeding
 - ix. Sodding
 - x. Soil Retention
 - xi. Soil Roughing
 - xii. Temporary Slope Drain
 - xiii. Temporary Stream Crossing
 - xiv. Wind Fences and Sand Fences
- d. Runoff Control
 - i. Check Dams
 - ii. Grass Lined Channels
 - iii. Permanent Slope Diversions
 - iv. Temporary Diversion Dikes
- e. Sediment Control
 - i. Brush Barrier
 - ii. Compost Filter Berms
 - iii. Compost Filter Socks
 - iv. Construction Entrances
 - v. Fiber Rolls
 - vi. Filter Berms
 - vii. Sediment Basins and Rock Dams
 - viii. Sediment Filters and Sediment Chambers
 - ix. Sediment Traps
 - x. Silt Fences
 - xi. Storm Drain Inlet Protection
 - xii. Straw and Hay Bales
 - xiii. Vegetated Buffers
- f. Materials Management
 - i. Concrete Washout
 - ii. General Construction Site Waste Management
 - iii. Spill Prevention and Control Plan
 - iv. Vehicle Maintenance and Washing Areas at Construction Sites

5. Post Construction

http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm?action=min_measure&min_measure_id=5

- a. Municipal Program Elements

- i. BMP Inspection and Maintenance
 - ii. Ordinance for Post-construction Runoff
 - iii. Post-construction Plan Review
 - iv. Zoning
- b. Innovative BMPs for Site Plan
 - i. Alternative Pavers
 - ii. Alternative Turnarounds
 - iii. Conservation Easements
 - iv. Development Districts
 - v. Eliminating Curbs and Gutters
 - vi. Green Parking
 - vii. Green Roofs
 - viii. Infrastructure Planning
 - ix. Low Impact Development
 - x. Narrower Residential Streets
 - xi. Open Space Design
 - xii. Protection of Natural Features
 - xiii. Redevelopment
 - xiv. Riparian Buffer
 - xv. Street Design and Pattern
 - xvi. Urban Forestry
- c. Infiltration
 - i. Grassed Swales
 - ii. Infiltration Basin
 - iii. Infiltration Trench
 - iv. Porous Pavement
- d. Filtration
 - i. Bioretention
 - ii. Catch Basin Inserts
 - iii. Sand and Organic Filters
 - iv. Vegetated Filter Strip
- e. Retention and Detention
 - i. Dry Detention Ponds
 - ii. In-line Storage
 - iii. On-lot Treatment
 - iv. Stormwater Wetland
 - v. Wet Ponds
- f. Other
 - i. Alum Injection
 - ii. Manufactured Products for Stormwater Inlets

6. Pollution Prevention

http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm?action=min_measure&min_measure_id=6

- a. Education

- i. Municipal Employee Training and Education
- b. Municipal Activities
 - i. Municipal Landscaping
 - ii. Municipal Vehicle Fueling
 - iii. Municipal Vehicle Equipment and Maintenance
 - iv. Municipal Vehicle Equipment Washing
 - v. Parking Lot and Street Cleaning
 - vi. Road Salt Application and Storage
 - vii. Roadway and Bridge Maintenance
 - viii. Storm Drain System Cleaning
- c. Municipal Facilities
 - i. Hazardous Materials Storage
 - ii. Materials Management
 - iii. Municipal Facilities Management
 - iv. Spill Response and Prevention