

**CITY OF ALEXANDRIA**

**VPDES PHASE II**

**STORMWATER MANAGEMENT**

**PROGRAM**

**FY 2004 Budget Worksession**  
**Presentation**



*Transportation & Environmental Services*

# REGULATORY REQUIREMENTS

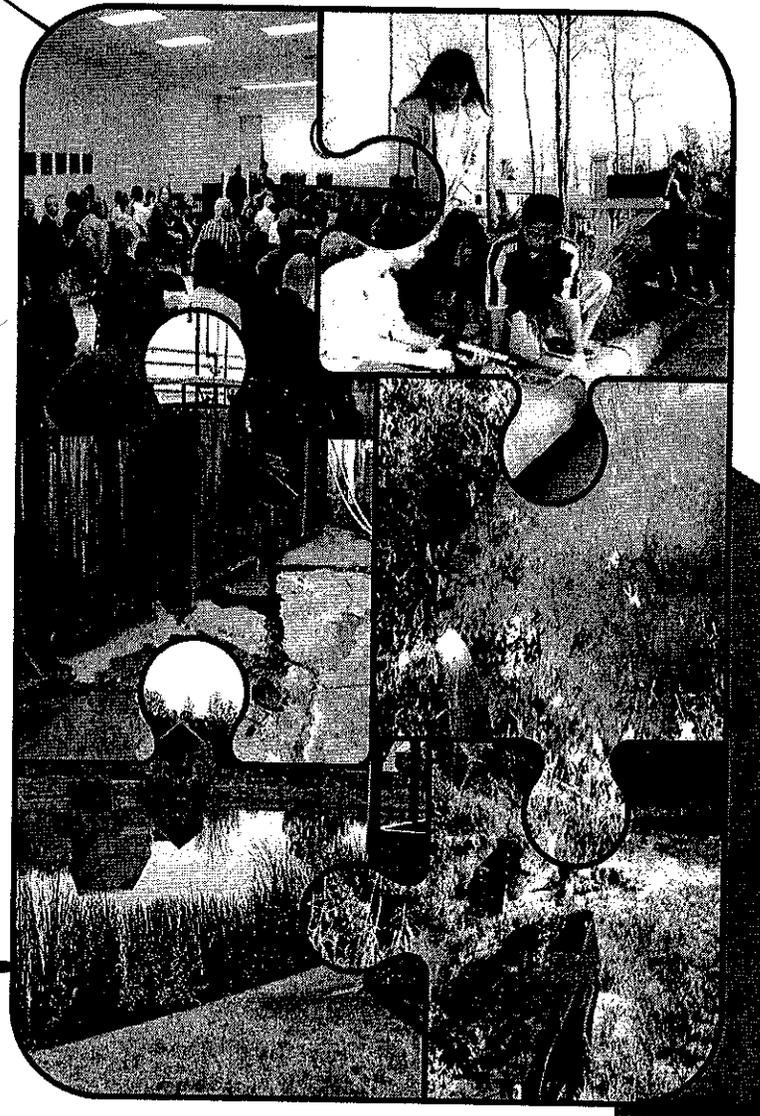
- **Federal Clean Water Act**
- **Virginia Water Control Law**
- **VPDES Permit Regulations 9 VAC 25-750-10 et seq.**



# NPDES Phase II

## *Six Minimum Control Measures*

1. Public education and outreach
2. Public involvement /participation
3. Illicit discharge detection and elimination
4. Construction site stormwater runoff control
5. Post-construction stormwater management
6. Pollution prevention/good housekeeping



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# Public Education and Outreach

- Education/Outreach on Impacts
- Requirements & Guidelines:
  - Distribute educational materials to community, or conduct equivalent outreach activities, on impacts of stormwater discharges to water bodies
  - Inform public on steps they can take
  - Partnerships with other entities
  - Utilize existing materials where available
  - Reach diverse audiences



## Public Involvement/Participation

- Provide Opportunities for Public Role in Development and Implementation
- Requirements & Guidelines:
  - Comply with state & local public notice requirements when implementing program
  - Involve community stakeholders
  - Hold public meetings/hearings
  - Work with volunteer groups/projects



# Illicit Discharge Detection & Elimination

- Program to Find and Remove Non-Stormwater Inputs to the Storm Sewer System

- Requirements & Guidelines:

- Develop a storm sewer system map - Completed!
- Develop legal authorities to prohibit and enforce IDs
- Develop a plan to detect and remove IDs

Public outreach on ID

**Program to Find and Remove Non-Stormwater Inputs to the Storm Sewer System**

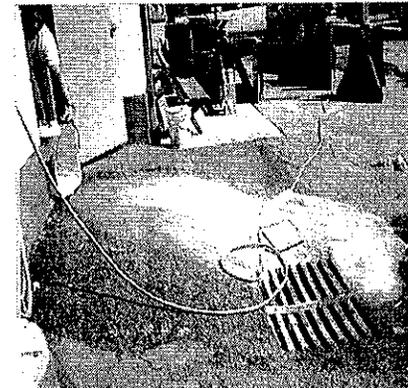


## Pollution Prevention/Good Housekeeping

- Program to Examine and Alter Current MS4 Activities to Reduce Pollution

- Requirements & Guidelines:

- Evaluate existing programs
- Operation and maintenance program
- Education/training for municipal operations
- Utilize available tools



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# Construction Site Runoff Control

- Program to Reduce Stormwater Pollution From Construction  $\geq 1$  acre
- Requirements & Guidelines:

Regulatory mechanism for implementation. E&S Guidelines

Review of site plans for compliance with BMPs

- Regular inspections and enforcement
- Procedures to consider information from the public

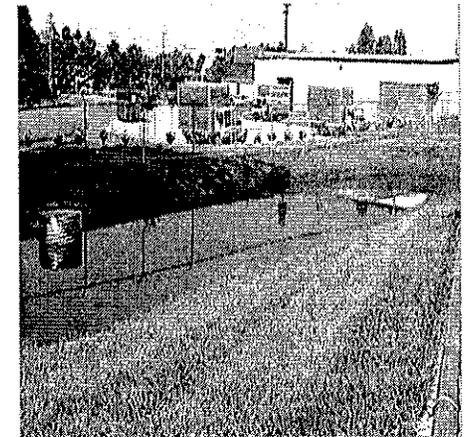


# Post Construction Runoff Control

- Program to Reduce Pollutants in Post-Construction Runoff (sites w/land disturbance  $\geq 1$  acre)

- Requirements & Guidelines:

- Applicable to new development and redevelopment
- Ensure long term operation and maintenance of BMPs
- Non-structural and structural BMPs
- Implement along with construction site runoff program
- Choose BMPs based on locally based watershed planning



# Other Benefits of Managing Stormwater?

- **Regulatory compliance**
- **Cleaner creeks, rivers, and lakes**
- **Reduced flooding / flood damage**
- **Cleaner drinking water**
- **Reduced sanitary sewer system loads**
- **Enhanced wildlife habitat / diversity**
- **Reduce nuisance complaints**
- **Proactive environmental planning**
- **More efficient use of funds**

