

### **Measure 6: Pollution Prevention/ Good Housekeeping**

The University should set an example for preventing storm water pollution in its maintenance practices. In general, UMD has a developed system of good housekeeping that inherently recognizes that the campus operates in an urban area. Many operational areas already perform variations on best management practices to protect water quality. In many ways, this effort will formalize existing practices and identify areas for improvement. Although often associated only with Facilities Management operations, housekeeping best management practices need to be implemented equitably across all affected departments.

Like many campuses and municipalities in the northern climate, snow and ice-control practices are ever changing to incorporate new materials and to adapt to the yearly climate changes. As a campus we are very aware of the blurred line between the potential for storm water pollution, "good" ice control practices, and the safety of the users of the campus. Trying to balance environmentally friendly snow and ice-control practices with public safety will be a big part of our program.

One area we are already working on is the construction of a salt / sand storage facility. Construction started last fall and the facility should be operational for the 2003/2004 snow season. This facility has an enclosed area for sand/salt storage, the loading area drainage flows to a small pond, and we will complete the best management practices for maintaining the facility before it becomes operational. The facility will also be use to store erodable soils during the summer maintenance season.

The campus has made maintenance of our equipment and the campus fleet a high priority. With the completion of the Robert W. Bridges Fleet Grounds Maintenance Facility, we are better equipped to handle the materials such as oil, grease, anti-freeze, etc. that are used during operation and maintenance of the equipment and fleet.

One of our biggest challenges is litter control on the campus. Education of campus users and better-defined interdepartmental procedures will be addressed.

During the preliminary inventory of areas in the fall of 2002, we realized that most of our issues in good housekeeping are being currently addressed. Such as, our pesticide applicators are licensed, our irrigation staff is trained, and parking areas, sidewalks, and streets are swept as needed.

### **Pollution Prevention and Good Housekeeping Practices Summaries**

#### UMD 601 – Storm Water Systems Annual Assessment

Assess outfalls, sediment basins and ponds for repair, replacement, and cleaning on an annual basis to improve storm water conditions.

#### UMD 602 – Pond Maintenance / Cleaning

Maintain the ponds in good working order and provide a procedure for regular cleaning and maintenance.

#### UMD 603 – Sewer Dyes

Create use, notification, and reporting procedures for dyes and colorants in the sewer systems.

UMD 604 – Fertilizer and Pesticide Handling and Application

Review grounds keeping practices for fertilizer and pesticide handling and application. Make recommendations for improved storm water quality, write fact sheet, train, and implement fact sheet recommendations.

UMD 605 – Integrated Turf Management

Review grounds keeping practices for integrated turf management. Make recommendations for improved storm water quality, write fact sheet, train, and implement fact sheet recommendations.

UMD 606 – Landscape Management

Review grounds keeping practices for landscape management. Make recommendations for improved storm water quality, write fact sheet, train, and implement fact sheet recommendations.

UMD 607 – Irrigation Practices

Review grounds keeping practices for irrigation practices. Make recommendations for improved storm water quality, write fact sheet, train, and implement fact sheet recommendations.

UMD 608 – Integrated Pest Management (IPM)

Review grounds keeping practices for Integrated Pest Management (IPM). Make recommendations for improved storm water quality, write fact sheet, train, and implement fact sheet recommendations.

UMD 609 – Litter Control

University departments will be made aware of litter control procedures and training will be provided for employees. The Campus Community will be provided with information about litter on the campus via educational material.

UMD 610 – Dumpster Management

Dumpsters are one of the major sources of litter on campus. The University will prepare a maintenance procedure for these units in order to reduce litter problems and insure that the units are in good repair.

UMD 611 – Exterior Loading Docks

Particulate materials delivered to loading docks will have a procedure and training for proper handling to reduce possibility of storm water contamination.

UMD 612 – Impervious Storage/ Parking Areas

Storage of vehicles and equipment on impervious surface may create pollution to the water system. Create procedures for maintenance and storage and providing education for employees.

UMD 613 – Landscape Particulates Handling and Storage

Provide procedures for proper handling of landscape particulates that may be stored on the campus.

UMD 614 – Snow Storage

Identify snow storage areas on map. Observe the areas for issues and set up a campus procedure for storage of snow. Recommend landscape changes to control snowmelt water before it reaches the creeks.

UMD 615 – Salt/ Sand Storage Facility

The Salt/ Sand Storage Facility is a new structure on the UMD campus. Creation of good housekeeping procedures specific to this facility will complete the project. Since this is a new system, the procedures will be reviewed after the first year.

UMD 616 – Street / Parking Sweeping

Create a procedure for sweeping impervious surfaces on the campus to reduce the introduction of particulate materials and litter into the storm water system.

UMD 617 – Vehicle and Equipment Washing

Create a procedure for washing vehicles and equipment to reduce possible illicit discharges into the storm water system.

UMD 618 – Fueling System Spill Protection

Vehicle fueling occurs on a daily basis. Proper procedures for fueling as well as training and equipment for spill protection play an import role in eliminating illicit discharges into the storm water system.

UMD 619 – Handling of Hazardous Materials and Environmental Pollutants

The handling of hazardous materials and environmental pollutants requires knowledge of the materials being handled and the ability to correctly respond to emergency situations. Review practices and update training.

UMD 620 – Roof Top Weed Control

Storm water from rooftops constitutes a large portion of the campus's discharge. The improper use of chemical weed control materials on roofs could result in chemicals being discharged into the storm water system.

UMD 621 – Swimming Pool Maintenance

Maintenance practices for the swimming pool will be reviewed for storm water impact and a procedure for discharge of pool water will be developed.