



# Jurisdictional Reports

## 2010

Jurisdictional reports are requested of all Potomac Watershed jurisdictions annually by the Alice Ferguson Foundation. They are presented at the annual Trash Summit held in the Washington, D.C. metro area, usually in the fall. For information about the Trash Summit, visit [www.TrashSummit.org](http://www.TrashSummit.org). All jurisdictional reports are available online at [www.TrashFreePotomac.org](http://www.TrashFreePotomac.org) and published in the Trash Summit Program Books.

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## Virginia

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### Arlington County, Virginia

#### *Public Outreach and Education*

- Adopt a Street Program – Arlington launched an Adopt a Street Program in the Fall of 2009 to leverage community volunteers to clean the curb and gutter lines and collect litter. As of 09/01/10 there are 51 adopters (including some groups) covering 88 street blocks.
- Arlington supports the regional Only Rain Down the Drain outreach campaign, which uses radio and internet advertising to remind people that whatever goes into the storms drains ends up in our local streams.
- Classroom Education - Arlingtonians for a Clean Environment (ACE), a community non-profit group, delivers presentations to school groups about recycling. In 2009-2010, ACE provided a total of four presentations reaching 520 students.
- County staff and Master Naturalist volunteers conducted classroom presentations and stream field trips for 710 middle school students, including information on preventing pollution and protecting local streams.

#### *Stormwater Technology*

Arlington County has over 700 stormwater management facilities installed at public and private properties through the County. Many of these facilities include a litter control or collection feature.

Arlington County also has an extensive street sweeping program. In 2009, the County swept over 14,000 residential lane miles and over 7,000 commercial lane miles, and collected over 3,000 cubic yards of particulate matter (including litter).

### *Trash HotSpots*

Arlington County has a list of hot spots that are monitored daily. Currently, there are 27 but it fluctuates from 23 – 33 throughout the year. In some cases the hot spots required a permanent trash can to be placed and others are temporary problems that dissolve after a period of time.

### *Recycling Rate*

In Calendar Year 2009, Arlington County had a recycling rate of 40%.

### *Business Outreach*

The County commercial compliance inspectors visit all buildings in the county to ensure recycling is being provided. Through this effort we hope to divert more materials from the waste stream.

### *Capacity Building*

The County plans to place at least 10 more recycling and 10 more trash cans on the streets of Arlington County. Arlington is also looking to conduct a food waste composting collection pilot at one of its facilities to analyze the system and potentially implement elsewhere in the County.

## Fairfax County, Virginia

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### *Legislation/Regulation*

Continue to implement and enforce Chapter 109.1 of the Fairfax County Code which requires all residential and non-residential properties to recycle.

### *Public Education and Outreach*

- Maintained a Floatables webpage including information about floatables, links to volunteer program information, and opportunities for visitors to help track cleanups through downloadable datasheets.  
<http://www.fairfaxcounty.gov/dpwes/stormwater/floatables.htm>
- Created two activity books for children, *The Adventures of Stormy the Raindrop* and *Stormy the Raindrop's Watershed Journey*, each containing an anti-litter message. Approximately 3,900 copies of *Adventures* were distributed to the general public, and approximately 900 copies of *Watershed Journey* were distributed.
- Designed reusable shopping bags bearing a short, anti-litter message and dog waste bag dispensers urging residents to pick up after their pets. Distribution of approximately 1,000 bags and 200 dog waste bag dispensers are planned for fall 2010. The bags are being purchased with grant funds generated from the sale of Chesapeake Bay license plates.
- A flood protection information newsletter is mailed to 20,000 county residents each year in September and includes an anti-litter article.
- Various pod casts (picking up pet waste, litter and floatables monitoring program) aired on [www.fairfaxcounty.gov](http://www.fairfaxcounty.gov) and [www.youtube.com](http://www.youtube.com).
- Television public service announcements (PSAs) on proper disposal of dog waste air on Fairfax channel 16, You Tube and the Alice Ferguson education web page. The dog waste PSA was mentioned in the Washington Post. Other TV PSAs that air on Fairfax channel 16 and You Tube include “Stop Bagging Our Streams” and “Only Rain down the Drain”. In partnership with the county’s cable channel 16, the DPWES has produced several video

productions now available on the county's video on-demand website and You Tube channel. Topics include water quality, pollution, litter and solid waste disposal and recycling.

- The Clean Fairfax Council provided 25 youth presentations/workshops across the county with a total attendance of 1,700 students, seven additional group presentations/workshops with a total attendance of 2,500 and staffed four displays/events with an estimated attendance of 17,125.
- In 2009, Solid Waste Management initiated two electronic newsletters: The Fairfax Recycler (for all Fairfax County residents) and SCRAPmail (for teachers and administrators in Public Schools).
- The Solid Waste Management Program continued its publication of the SCRAPbook – an educational resource for teachers on environmental topics including litter prevention, recycling, waste management, wastewater treatment and overall water quality.
- During FY 10, the Solid Waste Management Program participated in 14 residential group meetings (HOA, clubs, etc.), 41 school presentations, presentations to five Boy Scout/Girl Scout troops and 12 special community events (fairs, expos, etc.)

### *Law Enforcement*

- The Clean Fairfax Council continues to maintain its partnership with Fairfax County law enforcement in the Report a Litterer Program – where residents may anonymously refer an observed offender who will receive notification that they were witnessed littering and information related to the importance of properly managing waste.
- The Solid Waste Management Program enforces recycling in Fairfax County. Staff monitors all trash being brought to the county's disposal facilities and may levy fines in the instance of haulers disposing of recyclables with the trash.

### *Stormwater Technology*

As trash racks eventually fail or prove to be problematic, they are typically replaced with a reverse slope design which minimizes blockages. In FY10, over 10 trash racks were replaced as a separate initiative from those replaced through various types of stormwater management pond retrofits.

### *Trash HotSpots*

Clean Fairfax Council sponsors an "Adopt-A-Spot" program whereby residents can adopt a spot for two years and pledge to clean it up four times a year.

### *Cost of Litter Cleanup*

In its FY 2010 annual report to the Virginia Department of Environmental Quality, the Clean Fairfax Council notes that there were over 1,700 participants at 127 cleanup events; over 285 cubic yards of litter were collected at these events. The value of the volunteer hours (estimating three hours per volunteer) was approximately \$198,074.

In addition, the Spring 2010 AFF cleanup included 2,115 volunteers who collected 29.3 tons of trash from 101 cleanup events. The Fall 2009 International Coastal Cleanup had 805 volunteers who cleaned 19.65 miles of stream and collected 15.3 tons of trash. Assuming each volunteer worked three hours at a value of \$21/hour, the total value of the volunteer work was \$183,960.

### *Recycling Rate*

In Calendar Year 2009, Fairfax County had a recycling rate of 39%.

### *Inter-agency Collaboration*

- Interagency meetings (~4/year) between Department of Public Works and Environmental Services, Northern Virginia Soil and Water Conservation District, Clean Fairfax Council and Alice Ferguson Foundation to discuss coordination of stream and watershed cleanups, floatables information collection strategies and long-term data management and reporting. Currently working on a strategy to identify and quantify trash problems at hotspots around the county using AFF's visible trash survey protocol.
- Fairfax County Environmental Quality Advisory Council (EQAC) April 2010 meeting on Visual Blight covered strategies for addressing cigarette butts littering roadways and streams and included panel discussion by Department of Planning and Zoning, Clean Fairfax Council, Fairfax County Police Department, and Virginia Department of Transportation
- Fairfax County participates with the Northern Virginia Regional Commission in their anti-litter "Only Rain" campaign through radio public service announcements, web pages and blogs. ([www.onlyrain.org](http://www.onlyrain.org))
- The Solid Waste Management, Stormwater Management and Wastewater Management Programs have successfully completed another year of the Sewer Science initiative – a program utilized to introduce students to water and recycling initiatives through a laboratory exercise and classroom presentation.
- In 2009, Fairfax County established the Environmentally Preferable Purchasing Program (EPP) – an initiative which investigates and emphasizes the purchase of environmentally preferable products for Fairfax County government.
- In 2010, the EPP and Fairfax Employees for Environmental Excellence (representing a host of agencies) teamed up to implement the "Junk Your Junk Mail" campaign. The initiative focuses on eliminating unwanted junk mail from the county's waste stream.

### *Business Outreach*

When implementing the recycling regulation, staff from the Recycling Program communicates with businesses and organizations about why proper solid waste management is important for protecting the environment. Problems like overflowing trash and recycling containers are caused by inadequate capacity, infrequent service, and/or improper participation. Waste reduction techniques prevent garbage in the first place and save money.

### *Waste Diversion Capacity Building*

- The Solid Waste Management Program maintains a robust household hazardous waste collection program for residents of Fairfax County. In 2010, the program expanded the hours of the facility to accommodate more patrons.
- In its second year, Electric Sundays have increased in popularity in Fairfax County. In 2009, Electronic Sundays resulted in 500,000 pounds of electronic waste recycled. With the added emphasis on recycling compact fluorescent light bulbs, Sunday attendance at the household hazardous waste disposal facility nearly quadrupled on Electric Sundays. Typical events host anywhere from 500 to 1,000 patrons each month depending on the location of the event. Events are held monthly.
- The county continued its long-standing secure document shredding program for shredding and recycling personal/sensitive documents. Events are held monthly at various locations throughout the county.
- In 2010, Fairfax County completed a waste trade agreement with Fauquier County. The agreement enables the county to deliver loads of construction demolition debris to Fauquier County's CDD recycling facility. In return, Fairfax County has agreed to backhaul municipal solid waste for disposal in the county's 'energy from waste' facility.

## *General*

- DPWES partnered with Fairfax County Public Schools to create the aforementioned Watershed Journey activity book to comply with standards of learning for public schools. In June 2010, the books were used in a pilot program involving 27 classrooms and almost 800 fourth grade students as a supplement to the FCPS Watersheds lesson plan. Teacher feedback was overwhelmingly positive, and there are plans for a wider distribution of the activity books in schools in 2011.
- For the second year in a row, the Public Works Week celebration included a stream cleanup event that was cosponsored by Solid Waste Management, Stormwater Management and Clean Fairfax Council.
- A 2010 meeting of the Environmental Quality Advisory Council (EQAC) brought together employees from four different agencies to discuss the legal, operational, and environmental aspects and impacts of cigarette litter and visual blight.

## Prince William County, Maryland

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## *Highlights*

- Prince William County has earned E3 ratings for its Operation Building, Print Shop, Central Supply Warehouse, Landfill, Balls Ford Road Compost Facility and Fleet Operations for its sound environmental and safety practices.
- The County is looking to expand conservation easements and smart growth strategies.
- Prince William County earned the Platinum Level for the Virginia Municipal League Green Government Challenge. Many of the accomplishments that allowed them to achieve that level involved waste reduction, recycling and litter prevention/control.
- The County established a Green Guiding Committee to help government employees to waste less, recycle more, conserve energy and drive smarter.

## *Public Outreach and Involvement*

Prince William has engaged in a number of public outreach efforts over the past year, including:

- Providing citizens with guidance and assistance to label storm drains upon request
- Referring interested citizens to the Adopt-a-Stream program for ongoing cleanup and monitoring at critical streams
- Youth Ambassadors Conference on the Environment and four on-the-ground conservation projects:
  - Clean up and tree planting along Neabsco Creek
  - Wildlife Habitat Planting Project at Bristoe Station Battlefield
  - Clean up, graffiti removal and repairs to observation blind at Metz wetlands along the Neabsco Creek
  - Trail restoration at Prince William Forest Park and clean up along Quantico Creek
- A 17-mile cleanup along Occoquan River from Lake Jackson to the Town of Occoquan with a number of partners include PW Trails and Streams Coalition, Prince William Yacht Club, Friends of the Occoquan, Public Works, PW Park Authority
- A Cleanup along Marumsco Creek where over 2500 pounds of trash were collected
- The County has offered workshops on the construction and use of rain barrels.
- *Prince William Recycles Day* with activities and presentations on reducing waste, recycling more and preventing litter

## *Education*

The Prince William Clean Community Council encourages area schools to participate in its Adopt-a-Stream Program. Adoption ensures regular litter awareness and maintenance of the school campus by the children attending that school

throughout the academic year of September through June. The Program is particularly popular with elementary schools. It promotes both civic and environmental awareness from an early age and includes:

- In-class presentations including story-telling to students in pre-kindergarten through third grade:
- Public Service Announcements:
- Participation in local environmental events:
- Website and electronic newsletter published, and:
- Active member of local Chamber of Commerce.

### *Stormwater*

Prince William County uses trash and debris collectors/booms in strategic locations on streams to collect debris and prevent its access to the Potomac River. They are currently exploring innovative best management practices on construction sites to prevent trash and polluted run-off from leaving the site. There has been greater emphasis on enhancing coordination to clean up litter from stormwater management ponds, focusing on areas with excessive dumping and litter.

### *Recycling Rate*

The County Government is expanding its organizational recycling program to include additional specialized materials such as printer cartridges, batteries and cell phones. The Prince William County Base Recycling Rate for Calendar Year 2009 is 31.1%. The official rate with the allowable 5% credit is 36.1%. The County has a voluntary goal to recycle 40% of total waste.

### *Monitoring*

Public Works has completed a number of watershed studies and stream restoration projects in the community. The Prince William Clean Community Council conducts a quarterly litter survey of roadways and neighborhoods throughout Prince William County, Virginia. Volunteer surveyors rate the designated areas based on preset criterion. The total scores are averaged by the number of volunteer surveyors and the number of sites surveyed. The County has named fifteen sites to be monitored. The Average litter rating for designated County roads is 1.6 (Note: one represents no visible trash and five represents no litter).

### *Budget*

For FY 10, Neighborhood Services budgeted approximately \$774, 000 for litter control efforts. This included \$678K for the County Litter Crew plus \$96K for the Prince William County Clean Community Council.

### *Inter-agency Collaboration*

The Department of Public Works coordinates two committees that focus on environmental stewardship. The first is the Green Guiding Committee. This team is made up of representatives throughout the Prince William County Government. Their goal is to educate and motivate county employees to waste less, recycle more, conserve energy and drive smarter. We hope to serve as mentors to help our community.

The second is the BIG LEEP (Businesses, Individuals, Government as Local Environmental Education Partners). The group is made up of local residents, businesses, non-profit and government agencies working together to provide educational and volunteer opportunities for the community. The partners provide support for each group's individual efforts and join forces on joint projects.

Both teams meet quarterly. Both teams address issues related to trash, litter and recycling. The BIG LEEP undertakes many projects in the community from building trails to planting trees to stream improvement projects. Litter pick up is a given and basic element of almost every project completed in the community.

## *Business Outreach*

Through the active participation in the Clean Community Council's Clean Shopping Center Program, volunteers rated 70 shopping centers throughout Prince William County. Centers are surveyed on a quarterly basis to see if litter control standards are being met. These 70 centers represent 86% of the total shopping centers in the County - an incredibly high rate. The Program is a key element in keeping commercial areas clean and litter free.

## *Waste Diversion Capacity Building*

In April 2009, Canusa Hershman Recycling of Virginia, LLC opened a 47,000 SF single-stream processing facility in the Manassas area of the County. This privately operated facility is capable of processing approximately 500 tons of waste per day.

## City of Alexandria, Virginia

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## **Information provided by the Office of Environmental Quality (OEQ).**

### *General*

The Eco-City Alexandria Initiative seeks to address the trash issue by taking action at the organizational level. This approach is outlined in the Solid Waste Principle of the Environmental Action Plan (EAP). Recognizing that managing waste is a public health issue as well as a quality of life issue, Alexandria will maintain its well-preserved public image by managing, handling, and disposing of solid waste in an environmentally sustainable manner. Increased waste reduction and reuse, increased recycling, improving and expanding compostable waste programs, and educating the public are key goals of the EAP.

### *Legislation and Regulation in the City Code*

#### Trash:

Sec. 13-1-21.1 Prohibition against littering and other improper discard or disposal

#### Recycling:

Sec. 5-1-93 Requirements for materials to be collected

Sec. 5-1-96 Adaptations for materials

### *Public Outreach and Education*

- Plastic Bag Recycling Initiative – Encouraging residents to reduce, reuse, and recycling plastic bags (Website, ads, etc).
- Promote the City's Adopt-A-Block Program (website & brochures)
- Recycling website and new yes/no flyer
- Participate annually in PRWC events, to include event announcements on City website and social media outlets. Dedicated webpage to the PRWC events on <http://alexandriava.gov/tes/oeq/info/default.aspx?id=3698>.
- Annual participation in the Clean Virginia Waterways, International Coastal Cleanup, along with more local association efforts such as the Spring and Fall Holmes Run Park Association cleanups.
- Year-round Storm drain marking events to install inlet markers: "No Dumping, Drains to *local creek or Potomac River*" Approx. 350 storm drains marked during 4 events this fiscal year.

## *Law Enforcement*

Alexandria Police Department participates in Litter Enforcement Week as part of the Alice Ferguson Foundation's *Trash Free Potomac Watershed Initiative* (TFPWI) in conjunction with the Metropolitan Washington Council of Governments Police Chiefs' Committee. The third annual event coincided with AFF's PRWC beginning Sunday, April 4<sup>th</sup> this year.

## *Stormwater*

- The City performs catch basin cleaning to remove floatables.
- Currently, there are approximately 450 stormwater quality structural best management practices. The facilities function to remove phosphorus as well as retain trash for later retrieval.
- The City has a robust Street Sweeping program.
- The City has a robust Leaf Collection program.

## *Trash HotSpots*

- Four Mile Run: annual cleanups are held as part of PRWC, with other cleanups occurring without data.
- The City also participates in the annual Virginia Waterways cleanups on the Potomac River Waterfront.
- Volunteer groups and park associations perform periodic cleanups. The City provides supplies when needed and coordinates pickup, as well as advertises those events open to the public at large.

## *Recycling Rate*

The current rate is 28.6%, with a goal to increase to 35% by 2012.

## *Waste Diversion Capacity-Building*

Alexandria Waste Recovery Facility (AWRF) is a private construction and demolition (C&D) transfer station where materials are sorted, and as much as possible is recycled, to minimize impact to the community and divert recyclable C&D materials from the landfill.

## *Inter-agency Collaboration*

Solid Waste and Office of Environmental Quality coordinate outreach efforts for the Plastic Bag Recycling Initiative and for the PRWC events. Recreation, Parks and Cultural Affairs provides data on citizen group cleanup activities.

## *Business Outreach*

The City of Alexandria has begun an active campaign to ensure that all commercial / multi-family residential properties are providing recycling services to their businesses and tenants in accordance with our 2006 mandatory recycling ordinance. Direct mailings and electronic distribution of educational materials will continue to be made to educate the business community about these recycling requirements. A public recognition program will commence in fall 2010 for businesses with outstanding recycling programs in conjunction with the City's Eco-City awards program. The City encourages businesses to participate in the City's Adopt-A-Block Program.

# District of Columbia

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Washington, D.C.

## Information provided by DC Water

### *Activities/Actions to reduce trash and litter*

- DC Water maintains a Floatable Debris Removable Program. As part of this program, two skimmer boats troll the Potomac and Anacostia rivers, capturing and removing approximately 400 tons of floating debris and trash.
- DC Water skimmer boat crews patrol the rivers five days a week, eight hours a day.
- Depending on weather conditions, our boats have been known to remove up to 120 tons of trash per month.
- DC Water also maintains an aggressive catch basin cleaning program, as part of our environmental efforts.
- There are 25, 000 catch basins located within public rights-of-way in the District. DC Water cleaned 30, 772 catch basins in the District so far this fiscal year. This number represents subsequent visit to various peak areas such as, food establishments, apartment buildings, etc., while we are only required to clean these areas once.
- Some of the common items collected from our waterways include plastic bottles, plastic bags, toys, trees, and other large debris and waste. Reportedly, our crews have found large mattresses in the catch basins.
- Our catch basin crews operate on a pre-determined schedule, cleaning catch basins systematically in each quadrant of the city.

### *Public Education and Outreach*

- DC Water publishes a monthly customer newsletter, *What's on Tap*, with topical water-related news and information. This newsletter is mailed with customer's bills and posted on our website each month with the exception of April and October. The CSO (Combined Sewer Overflow) newsletter goes out twice a year.
- DC Water has featured numerous stories promoting the role of our skimmer boats in helping to keep our waterways clean. Additionally, we include stories to raise awareness and educate our customers on how they can help protect our waterways by discarding trash properly, and not in the catch basins.
- DC Water also maintains information prominently posted on the main page of our website with a banner and simple steps to protect and preserve our waterways for future generations.

### *Evaluation and Monitoring*

- We measure the effectiveness of our outreach efforts by comparing the amount of trash/litter we are finding in our rivers and catch basins.
- By maintaining an aggressive cleaning program, we are doing our part everyday to remove litter and debris from our local waterways and protect the environment.

# Maryland

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Prince George's County, Maryland

## Information provided by the Department of Environmental Resources, Waste Management Division

### *Public Outreach and Education*

- The Department of Environmental Resources promotes county cleanups and provides all citizens of Prince George's County in the private and commercial sector with resources to reduce litter. In addition, we coordinate and participate in local and national events that contribute to litter reduction. We provide up-to-date material regarding management best practices and services. We continue to collaborate with Prince George's County Public Schools to encourage litter reduction and to propose a sustainable school green team.
- Tours of Brown Station Road Landfill
- Publication issued to residents regarding solid waste
- Convenience Centers located to reduce illegal dumping

### *Law Enforcement*

- Livable Communities Inter Agency Work Group
- Graffiti Removal
- Environmental Crimes Unit

### *Recycling Rate*

Recycling Diversion Rate is 43%. We would like to add food waste composting to our programs. As food waste is one of the largest components of the MSW stream not being recycled, adding this element to our programs would allow us to increase our diversion rate to 50%.

### *Inter-agency Collaboration*

- We have established the Livable Communities Inter Agency Work Group, a collaboration of all local agencies to include the police department, which is headed by the Department of Public Works & Transportation. The Group meets weekly and is focused on litter, illegal dumping and other trash issues.
- Solid Waste Advisory Commission

### *Business Outreach*

We currently work with County businesses to encourage commercial and institutional recycling. Currently, this sector contributes over 60% of the County's recycling.

### *Waste Diversion Capacity Building*

We have a new single stream MRF that allows us to recycle more items in the curbside program. We are looking at plans to modify our existing Yard Waste Composting Facility to allow for pilot program for food waste composting.

## **Montgomery County, Maryland**

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### *Public Education*

- The Department of Environmental Protection's Division of Solid Waste Services (DSWS) continues to conduct extensive outreach, education, training and enforcement programs to increase awareness of waste reduction and recycling. During FY10, staff and DSWS Recycling Program Volunteers participated in 373 outreach and education events, providing 34,521 people with assistance and information on waste reduction, recycling, buying recycled, composting, grasscycling and other topics.

- The County continues to utilize a corps of dedicated volunteers in the Recycling Volunteer Program to provide assistance to educate others on the benefits of and the need to recycle. Together, the volunteers contributed 1,432 hours of direct service with an estimated value of \$35,806.
- The County has an Adopt-a-Road program which supplies with community groups with equipment in exchange for their service of picking up trash & litter along roadways.
- The County's Stormdrain Marking Program offers materials to community groups wishing to mark stormdrains in their community with reminders about the need to prevent stormdrain pollution.
- The County's RainScapes Rewards program provides education and financial incentives to homeowners to install landscaping features which reduce the stormwater flow off their property.

### *Law Enforcement*

- DSWS continues efforts to investigate and enforce compliance with Montgomery County's solid waste and recycling regulations as it pertains to generators and collectors.
- The Department of Housing and Code Enforcement investigates and enforces violations of litter codes on private property.
- DEP's Code Enforcement staff members investigate violations of environmental codes prohibiting illegal dumping and water quality violations. In FY2010, 419 cases of illegal dumping and 222 cases of water quality violations were investigated by our staff.

### *Stormwater Technology*

DEP continues to revise and test storm drain inlet configurations, which aim to capture trash, organic debris and sediment at the curbside without impacting flow capacity within the storm drain system. The most recent inlet designs are scheduled to be installed along Lockwood Drive and Stewart Lane (White Oak, MD) in the fall of 2010. Once installed, inlet cleaning schedules and other aspects of facility performance will be evaluated.

### *Trash HotSpots*

Code violations related to water quality including dumping of trash and debris in our waterways are tracked and mapped into a GIS system. DEP analyzes this information to help target areas for follow-up investigations of illicit discharges to the stormwater system, and illegal dumping. These areas are also targeted as we develop strategies to implement the County's MS4 Stormwater permit which includes Trash control requirements and a requirement to meet a TMDL for Trash in the Anacostia River.

In addition to the Code violation incidents being mapped, DEP's stream monitoring team is developing a map which will show trash ratings at stream stations monitored during during the last five year round of countywide monitoring. These ratings will also be used in setting priorities for follow up activities for trash reduction.

### *Budget*

#### Solid Waste Management (Budget FY09):

- Covers 210,000 single-family households, 112,000 multi-family dwelling units and 35,000 businesses
- Waste Reduction = \$378,430
- Recycling, Single-family = \$357,460
- Recycling, Multi-family = \$717,890
- Recycling, Commercial = \$1,688,940
- Household Hazardous Waste (HHW) Program = \$1,050,550
- Hazardous Waste Program (Business Small Quantity Generators) = \$40,560
- Recycling Volunteer Program = \$198,870

#### Enforcement Programs (Budget FY09):

- Illegal Dumping/Litter/Chapter 48 Enforcement = \$319,250

- Solid Waste (Chapter 48) Enforcement Collections Inspectors = \$251,640
- Solid Waste (Chapter 48) Enforcement Collections Inspectors = \$878,600
- Rubbish \*private property Chapter 48 enforcement = \$735,990

#### Street Litter Removal (FY09)

- Countywide Streetsweeping = \$265,000
- Targeted Routes: \$316,515
- Adopt-a-Road = \$4,000
- Transit Stop Trash Management = \$466,306
- Alternative Community Services Litter Collection = \$32,000

#### Stormwater Ponds (FY09)

- Pond maintenance and trash clearing = \$20,009
- Stormdrain Marking program = \$1,000

#### *Recycling Rate*

In FY09, Montgomery County's overall recycling rate was 44.2 percent. The County has a goal to recycle 50 percent of all waste generated in the County.

#### *Inter-Agency Collaboration*

As part of a comprehensive response to the County's MS4 stormwater permit requirements to control trash, DEP has inventoried all the litter-related programs in the County including both litter removal and litter source reduction. The DEP is developing a trash reduction strategy to meet the Potomac Trash Free treaty goals and the MS4 wasteload allocations for the proposed Anacostia Trash TMDL. We are currently evaluating annual budgets and opportunities to leverage greater efficiencies between programs such as code enforcement inspectors who's duties addresses similar litter-related issues. This baseline will also provide opportunities to assess where further investments in litter removal can be cost-effective.

#### *Business Outreach*

During FY10, DSWS staff conducted 10,445 on-site consultations to businesses, organizations and government facilities providing technical assistance, hands-on guidance, and specific recommendations on setting up, maintaining, and expanding waste reduction and recycling programs. In December, 2009, Montgomery County launched its Green Business Certification Program designed for businesses and other entities to take voluntary steps to demonstrate environmental stewardship, and conserve energy and water, reduce their carbon footprint, and generate less waste and recycle more. Both business owners and tenants can qualify under the program, which include metrics for recycling, waste minimization, and pollution prevention.

#### *Capacity Building*

During FY10, DSWS continued efforts to educate all residents of single-family homes and multi-family properties, and businesses about the additional types of materials that can now be recycled in the County including: durable/reusable plastic containers, tubs, lids, pails, buckets, flower pots and empty non-hazardous aerosol cans, as well as coated paper including milk and juice cartons, frozen food boxes and juice and drink boxes.

DSWS constantly monitors the recycling markets to identify potential future opportunities to remove additional materials from the waste stream.

## *Partnerships and Outreach*

We are excited to expand public outreach on litter throughout the County through our support of the regional outreach campaign, being developed by firms contracted through the Alice Ferguson Foundation after a multi-year process involving surveys of the population throughout the Potomac watershed, and identifying messages that will resonate with the target population.

## **Charles County, Maryland**

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### *Overview*

Environmental Resources manages the operation of the Charles County Sanitary Landfill, which receives in excess of 80,000 tons of refuse and over 110,000 patrons per year. This division administers a comprehensive recycling program, recycling centers located throughout the county and an aggressive environmental education campaign. Various Litter Control programs are maintained to aid in keeping Charles County clean, such as roadside litter crews, the annual Potomac River Watershed Cleanup and the volunteer Adopt-A-Road Program.

### *Public Education*

Charles County maintains several public education and outreach initiatives. The Charles County Office of Recycling offers free school presentations for all grades, geared towards emphasizing the benefits of recycling and waste prevention in a fun and easy-to-understand program. Environmental Resources publishes

### *Recycling*

Funded through Charles County's annual environmental service fee, the residential recycling program consists of four transfer stations and seven oil & antifreeze drop-off centers. In addition to these facilities, curbside collection is provided to approximately 32,000 homes located in the more densely populated areas of the county.

### *Recycling Rate*

State mandated to recycle 15% of its waste stream, Charles County has achieved a 43% recycling rate and a 5% source reduction credit equaling a total waste reduction rate of 48%.

## **City of College Park, Maryland**

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### *Legislation and Regulation*

- City Code, Chapter 132 (Litter and Graffiti: SS132-3(Littering Prohibited):  
No person shall throw, dump, place, deposit, leave or cause or permit the dumping, depositing, placing, throwing or leaving of litter on any public or private property, place or premises unless the property, place or premises is approved for the disposal of the litter or the litter is securely and properly placed into a receptacle as authorized and approved by the city.
- SS132-4(Responsibilities of property owners, occupants, lessees and agents in charge of private property):
  - A. Private/public property. [Amended 11-23-2004 by Ord. No. 04-O-10]
    - (1) No owner, occupant, lessee or agent in charge or control of any private property within the city shall allow litter to be deposited or to accumulate or collect, either temporarily or permanently, on his/her property or to be moved or displaced onto adjoining public or private

property. This subsection, however, shall not prohibit the storage of litter in receptacles of collection or other placement for collection as authorized by the city.

(2) Property owners, occupants or lessees who, because of any infirmity or physical impairment, cannot maintain their property to the standard set forth in Subsection A(1) may request an exemption from this standard from the city. The request should contain supporting documentation of such infirmity or impairment.

B. Sidewalks. Persons owning, renting or occupying property shall keep the sidewalk in the front, side and rear of their premises free of litter. No person shall sweep or deposit litter into any gutter, street or other public place within the city from any building or lot or from any public or private sidewalk or driveway. This subsection shall not apply in the event of a city pickup of designated disposables in assigned areas and locations.

C. Business. No person owning or occupying a place of business shall sweep or deposit litter into any gutter, street or other public place within the city from any building or lot or from any public or private sidewalk or driveway. Persons owning or occupying places of business within the city shall keep their premises and the sidewalk in the front, rear and side of their business free from an accumulation or collection of litter. This subsection shall not apply in the event of a city pickup of designated disposables in assigned areas and locations.

- **SS132-5 (Advertising matter):**

No person shall distribute, throw or scatter or cause to be distributed, thrown or scattered any advertising matter upon or about the streets, sidewalks, public grounds or other public places or upon any private lot or premises or automobile within the city, nor shall any person fasten or cause to be fastened any advertising matter to poles within the city. This section does not restrict the distribution of advertising matter to private residences, offices or mercantile establishments if the same is handed in at the door or securely fastened to prevent it from being blown or scattered about.

- **Chapter 119 (Refuse, Solid Waste, Yard Waste and Special Trash): SS119-3D (Duties of Owners and Occupants):**

The placement in the refuse carts of rocks, sod, dirt, sand, vehicle parts, concrete or other construction materials, bathroom fixtures, kitchen appliances and other large pieces of furniture, yard waste, recyclable newspapers, glass, aluminum cans, plastic jars and jugs and mixed paper, which includes junk mail, telephone books, computer paper, cardboard, magazines or books, is prohibited. Hazardous or flammable materials, such as paints, oils, solvents and gasoline, as an example, shall not be placed in refuse carts or recyclable containers. In addition to the penalties for violation of the provision, any person violating this provision shall be deemed responsible for damage or injury to collection crew members or the refuse carts or recycling containers.

### *Public Education and Outreach*

- Advertise recycling information in the Municipal Scene, published in The Gazette twice per month.
- Hand out litter bags at community events
- Site visitations by Code Enforcement Officers
- Open Public Works yard twice per year for residents to drive in yard waste, bulky trash, etc. Last year, expanded program to include donations of building materials and clothing/household goods.

### *Trash HotSpots*

No places have been officially identified as “trash hot spots”. There are several places where litter does tend to accumulate, including around bus shelters and in the higher-density downtown College Park area. To help reduce litter in these areas, the Public Works litter crew empties trash receptacles and collects litter along sidewalks, curbs, parking lots, and landscaped areas 7 days a week. Several bus shelters now have available trash receptacles. There are also two small waterways in College Park (Narragansett Run and Guilford Run) where litter

accumulates. Residential cleanup events take place in these areas around Earth Day and University of Maryland students assist in cleanup efforts to fulfill fraternity/sorority volunteer requirements.

### *Cost of Litter Cleanup*

Most of our costs incurred are from paying a full time litter crew to pick up litter and maintain the public trash receptacles. Aside from labor wages, supplies that we must purchase include trash bags, gloves, pitchforks and grabbing tools. Disposal costs are \$59 per ton.

### *Recycling Rate*

Recycling rates vary widely between 25 – 65%, based on the time of year. We include yard waste tonnages in our waste diversion calculations as we manage this material on-site through windrow composting.

If we calculate the recycling rate using only the tons of recycling collected curbside in our single stream program compared to the tons of refuse we collect curbside, the average recycling rate is approximately 22%. We have not determined a specific goal we would like to achieve for increasing our recycling rate at this time, but now that we are able to accept more items in our recycling, we expect that the recycling rate will increase.

### *Inter-agency Collaboration*

The City of College Park has a Green Team consisting of members from different City departments. The team is relatively new and meets approximately two times per year. Trash/litter/recycling are not usually prioritized items, however waste minimization and reduction topics are discussed.

The City also has a residential group called the Committee for a Better Environment, and they discuss these issues occasionally. This group also conducts litter cleanups around Earth Day.

### *Business Outreach*

- Trash receptacles have been placed in high-traffic areas, near store fronts in the City of College Park.
- Between the Public Works and the Economic Development departments, we are working with the city businesses to reduce trash/litter and increase recycling opportunities.

### *Waste Diversion Capacity-Building*

The City of College Park recently switched to a new single-stream processing facility, which has allowed us to expand what is acceptable for recycling, including aluminum foil and pans, aseptic and gable-topped packaging, and plastic bags (tied in 1 bag).

Yard waste (leaves and grass) collected from City residents is managed at the Public Works Composting Facility. Nearby municipalities also bring their leaves to the facility in November and December to be composted.

Every April and October, the Public Works yard opens on Saturdays to allow residents to drive in bulky/excessive trash, yard waste and electronics for recycling. In October 2009, the drop off services was expanded to include two donations groups: American Rescue Workers (for donations of household and kitchen items, clothing, books, toys, etc.) and Community Forklift (for donations of new or salvaged reusable building materials). Exact tonnages of materials diverted is unknown, however this expanded service has been well received by residents and they have asked that we continue to provide this extra opportunity for them. During these open Saturdays and opportunistically, any expanded polystyrene or reusable packaging material is saved and taken to a local UPS store or to the Alliance of Foam Packaging Recyclers in Crofton to be recycled.

### *General*

The City is beginning to investigate expanding public space recycling and hopes to increase the number of containers for refuse and recycling available to transient visitors and public transportation users.

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