

Appendix D4 – Management Programs (Litter and Floatables)

## Litter and Floatables

Waste reduction is the preferred method in the solid waste management hierarchy. Reductions in waste generation lessen the burden of solid waste management by decreasing the amount of material entering the system. The waste reduction plan reflects a multi-faceted approach.

The curbside collection of waste and recyclables is available to residents and services are provided by local trash collection companies. Residents who do not subscribe to a curbside collection service may drop-off material at the HWDC. A 2014 phone survey indicated about 85 percent of all residents recycle with about 80 percent subscribing to a curbside collection program and about four percent self-hauling to the HWDC.

### Media Outlets

The County has consistently spent considerable resources targeting County residents with various forms of advertisement through local radio, newspapers, magazines, and website ads. In addition, the Office of Recycling maintains a website, [www.Harfordrecycles.org](http://www.Harfordrecycles.org) which includes in-depth information on the importance of waste reduction and information regarding all the recycling programs available for County residents. The website is updated frequently to highlight seasonal programs and events such as Christmas tree recycling and grass cycling. The Harford County Reuse Guide is maintained on this website as well as a list of frequently asked questions. Brochures are available for Harford County residents both on the website and in print. Topics include grass cycling, single stream recycling, business recycling, textile and electronics recycling, used motor oil and antifreeze recycling, general recycling available at the HWDC, and mulch and compost information.

Social media has become a critical tool for outreach and education. The Office of Recycling maintains an active Facebook page <https://www.facebook.com/HarfordCountyRecycling> which encourages communication and engagement with residents and businesses concerning waste reduction and recycling opportunities. The Facebook page allows the Office of Recycling to post educational information, address questions, and promote recycling. Contests and giveaways are employed to encourage participation and discussion on the page.

### School Programs

Harford County Public Schools recognizes the importance of recycling, and as such, every fourth grade science class in the Harford County Public School system provides lessons designed to teach the importance of waste reduction and recycling. The Office of Recycling provides presentations, lessons, and activities to accompany the curriculum. This support extends to middle and high schools and school groups are also encouraged to visit the HWDC to see landfilling and recycling in action.

The Office of Recycling also supports school participation in the Maryland Association for Environmental and Outdoor Education (MAEOE) Green School Program. The Harford County Office of Recycling has been certified as a Green Leader to fully engage and assist with application completion, presentations, lessons and activities, teacher training, and coordinating/creating community partnerships for completion of outlined program objectives.

### **Community Programs**

Community outreach is another important aspect of public education. Community groups are encouraged to contact the Office of Recycling and schedule presentations and tours of the HWDC. In addition, the Office of Recycling participates in local special events, expos, fairs, and business events to highlight recycling.

### **Business Program**

Businesses are also encouraged to recycle through the Partners in Recycling program. This program recognizes businesses who are recycling with a display sticker, a listing on our website, and inclusion in media advertising. The Office of Recycling aids businesses looking to recycle in the form of waste assessments, educational materials, and training sessions in waste reduction and recycling. The Office of Recycling also reaches out to businesses and offers on-site visits to discuss business recycling opportunities and the result on their bottom-line. Businesses that are recycling are encouraged to apply for recognition through the annual Business Recycling Awards program. Awards are given to businesses who demonstrate a commitment to recycling and source reduction in their organization. Award winners receive a plaque during a public award ceremony and are included in an announcement through various media outlets.

Business recycling in Harford County is strictly voluntary. Unfortunately, many businesses do not recycle which is evident by significant quantities of recyclables observed entering the landfill for disposal. Whenever large quantities of recyclables are received, the County attempts to track the origin of the load and pinpoint the business that generated the recyclables. Some conversations with these business owners indicate that (1) the local trash collection companies market their services in ways that do not lessen the business owner's costs for recycling and/or (2) it is corporate policy not to recycle unless local government laws require recycling.

### **Parks and Recreation Programs**

As part of the Harford County Land Preservation, Parks, and Recreation Plan, the Department identified recycling and other conservation practices as part of the overall strategic plan. Working in partnership with Harford County Public Schools, Parks and Recreation began a pilot program to implement single stream recycling at all public school stadiums and then expanded the program to include all school sites as part of a County-wide implementation at all Department parks and facilities. Because of the successful partnership with Harford County Public Schools,

the Department of Parks and Recreation fully implemented single stream recycling at all parks, centers, offices, sports fields, and special events. Working in cooperation with the Harford County Office of Sustainability and the Division of Environmental Services, Recycling Office, Parks and Recreation purchased 400 additional recycling containers, lids, and signage to implement the “Recycling Just Like at Home” program.

### **Computer and Electronic Program**

The proliferation of computer and consumer electronics has resulted in continued growth in this portion of the U.S. waste stream. Electronic recyclables include computers, non-CRT computer monitors, computer peripherals, non-CRT televisions, stereophonic equipment, VCRs, DVRs, cellphones, and similar electronic products. Harford County has a contract in place with an eCycling vendor. Harford County intends to continue to offer this service to County residents and businesses in the future.

### **Household Hazardous Waste Program**

Household hazardous waste was collected from residents at four dedicated events during this reporting period. To be accepted, all items must be in containers with quantities normally found in retail stores. Items accepted included oil-based paints and stains, solvents, herbicides, pesticides, mercury thermometers, mercury containing thermostats, fluorescent light tubes and CFLs, pool chemicals, caustic cleaners, acids, and other items that may cause harm if not safely handled or applied.

**Maryland Environmental Service  
Harford County Roadside Litter Control Program  
Fiscal Year 2018-2019**

		Litter	Lbs. of	Lbs. of	Adopt- A-	Adopt- A- Road	Adopt- A- Road
		Control	Solid Waste	Recyclables	Road	Solid Waste	Recyclables
<u>Date</u>	<u>Tires</u>	<u>Miles</u>	<u>Collected</u>	<u>Collected</u>	<u>Miles</u>	<u>Collected</u>	<u>Collected</u>
July-18	1	90.2	5677	1248	0.7	50	30
August-18	0	70.8	3747	418	2.5	60	0
September-18	18	43.4	8393	881	0.9	20	20
October-18	29	73.5	7479	2615	4.6	190	115
November-18	40	64.2	5460	2418	5.3	166	40
December-18	13	49.6	11348	1382	3.3	70	20
January-19	26	66.5	9830	1742	0.5	1160	480
February-19	31	50.5	9691	2924	1.0	20	0
March-19	63	69.8	15643	5752	7.5	530	990
April-19	20	50.7	32168	16352	15.8	890	185
May-19	42	86.8	18465	2090	5.7	110	100
June-19	28	75.8	10634	921	3.0	35	32
<b>Totals</b>	<b>311</b>	<b>791.8</b>	<b>138535</b>	<b>38743</b>	<b>50.8</b>	<b>3301</b>	<b>2012</b>

Litter Control Miles	<b>791.8</b>
Adopt-A-Road Miles	<b>50.8</b>
<b>Total Miles For Fiscal Year</b>	<b>842.6</b>

Adopt-A-Road Signed Contracts **103**

Recyclables Collected in Lbs.	<b>38,743</b>
Adopt-A-Road Recyclables Collected In Lbs.	<b>2,012</b>
<b>Total Recyclables Collected In Lbs.</b>	<b>40,755</b>

Solid Waste Collected in Lbs.	<b>138535</b>
Adopt-A-Road Solid Waste Collected In Lbs.	<b>3,301</b>
<b>Solid Waste Collected in Lbs.</b>	<b>141,836</b>

**FY 2019 HARFORD County Outreach Log**

Name	Date	# Participants	POC	Code	Program Type
Harford County Master Gardener	1/3/2019	60	Joyce Browning	Outreach Education	Outreach and Education-Recycling/Compost
Harford County Master Gardener	2/7/2019	60	Joyce Browning	Outreach Education	Outreach and Education-Recycling/Compost
Harford County Master Gardener	2/7/2019	60	Joyce Browning	Outreach Education	Outreach and Education-Recycling/Compost
Harford County Master Gardener	4/4/2019	60	Joyce Browning	Outreach Education	Outreach and Education-Recycling/Compost
Harford County Master Gardener	5/2/2019	60	Joyce Browning	Outreach Education	Outreach and Education-Recycling/Compost
Troop 865	6/10/2019	24	Wendy Preisinger	Outreach Education	Outreach and Education-Recycling/Compost
Daisy Troop 851	1/16/2019	15	Lisa Fedner	Outreach Education	Recycling and Compost Presentation
Daisy Troop 946 Norrisville United Meth	10/10/2018	30	Kim Swanson	Outreach Education	Recycling presentation/composting.
Troop 965 Havre de Grace	1/31/2019	40	Jim Canter	Outreach Education	Waste Reduction, Recycling and Compost Present
Harford County Master Gardener	6/6/2019	60	Joyce Browning	Outreach Education	Waste Reduction, Recycling and Compost Present
HC Farm Bureau Agronomy Meeting	2/12/2019	50	Andy Kness	Public Outreach	
Oyster Recovery Partnership	5/1/2019	10	Tommy Price	Public Outreach	Harford County Recycling Oyster Shells
Havre De Grace Wellness Expo	9/14/2018	300	Megan Lusby	Public Outreach	Outreach and Educatin
APG- Pollution Prevention Expo	9/18/2018	600	Jennifer Buck	Public Outreach	Outreach and Education
Farm Visitation Day	9/30/2018	300	Alice Archer	Public Outreach	Outreach and Education/Ag Plastics
Pack 800 Cub Scouts Fount GreenEleme	11/9/2018	20	Steve Johnson	Public Outreach	Outreach and Education/Composting
Aberdeen Earth Day	4/27/2019	500	Jim Lipke/Howard E	Public Outreach	Outreach and Education-Recycling/Compost
Mason Dixon Festival on the Farm	5/11/2019	200	Mary Stewart	Public Outreach	Outreach and Education-Recycling/Compost
Anita C. Light Estuary Harford Streams	7/14/2018	200	Laura Coste	Public Outreach	Public Outreach
Harford County Farm Fair	7/23/2018	500	Alice Archer	Public Outreach	Public Outreach and Education
Harford County Farm Fair	7/24/2018	500	Alice Archer	Public Outreach	Public Outreach and Education
Harford County Farm Fair	7/25/2018	300	Alice Archer	Public Outreach	Public Outreach and Education
Harford County Farm Fair	7/26/2018	300	Alice Archer	Public Outreach	Public Outreach and Education
Harford County Farm Fair	7/27/2018	300	Alice Archer	Public Outreach	Public Outreach and Education
Harford County Farm Fair	7/28/2018	2500	Alice Archer	Public Outreach	Public Outreach and Education
Harford County Chamber of Commerce	1/17/2019	45	Angela Rose	Public Outreach	Recycling Presentation
Harford County Farm Bureau	1/4/2019	60	Alice Archer	Public Outreach	Recycling Presentation Community
Eden Mill Nature Center	8/27/2018	50	Ronnie Greavy	Public Outreach	Recycling Presentation.
Havre de Grace Lions Club	2/13/2019	19	Jim Dryden	Public Outreach	Waste Reduction, Recycling and Compost Present
Verizo Earth Day	4/17/2019	300	Debbie Kirby	Public Outreach	Waste Reduction, Recycling and Compost Present
St. Joan of Arc Private School	10/11/2018	200	Tracey Tokarski	School	Career Day Recycling Presentatin
Anita C.Light Estuary Green School	10/24/2018	10	Winni Tang	School	Green School overview Harford Streams
MAEOE YOUTH SUMMIT- GREEN SCHOOL	5/30/2019	150	Winnie Tann	School	Harford County Green School Presentations
MAEOE Green School Advisory	2/13/2019	20	Laura Collard	School	HC Green Schools Application Preparartion
MAEOE- Green School	2/13/2019	15	Winnie Tann	School	HC Waste/Recycling and Green School Presentations
Forest Hill Elementary	11/7/2018	400	Fran Garritty	School	Outreach and Education
The Arc of Northern Chesapeake	8/31/2018	200	Kate Wyatt Burrows	School	Outreach and Education
Forest Hill Childrens Manor	9/12/2018	60	Lynn Davis	School	Outreach and Education Daycare Center
The Playroom- Myrtle the Recycling Turtle	7/17/2018	30	Keri Schaeffer	School	Outreach and Education Pre-k-K
The Playroom- Myrtle the Recycling Turtle	8/16/2018	40	Keri Schaeffer	School	Outreach and Education Pre-k-K
Envirothon- Anita C Light Estuary	4/11/2019	150	Lynn Griffith	School	Outreach and Education-Recycling/Compost
The Arc of Northern Chesapeake John Carroll	6/17/2019	46	Phil Givens	School	Outreach and Education-Recycling/Compost
St. Joan of Arc Private School	10/5/2018	20	Tracey Tokarski	School	PD for Teachers Recycling and Composting
St. Joan of Arc Private School	10/8/2018	20	Tracey Tokarski	School	PD for Teachers Recycling and Composting
The Arc of Northern Chesapeak Carnival	7/31/2018	100	Kate Wyatt Burrows	School	Public
St. Joan of Arc Environmental Club	5/21/2019	30	Rebecca Simmons	School	Recycling and Composting Presentation
Harford County Envirothon	2/21/2019	60	Lynn Griffith	School	Recycling Presentation Community
Childrens Manor Montessori Schools	8/8/2018	50	Beth Nolan	School	Recycling Presentation.
North Harford Elementary School	9/28/2018	200	Tracey Gay	School	Recycling Presentation.
The Arc of Northern Chesapeake	8/28/2018	30	Kate Wyatt Burrows	School	Waste and Recycling Audit
St. Joan of Arc Environmental Club	1/22/2019	15	Kathleen Smith	School	Waste Reduction, Recycling and Compost Present

	# of Events	Participants
Outreach and Education	10	469.00
Public Outreach	20	7,054.00
School	28	2,982.00
TOURS	15	272.00
<b>Total Estimated Outreach</b>		<b>10,777.00</b>

Advertisements		
Advertisements:	6	
Social Media Postings:	700	

Bakerfield Elementary School	2/28/2019	90		School	Waste Reduction, Recycling and Compost Present
St. Joan of Arc Stem Night	3/28/2019	200	Kathleen Smith	School	Waste Reduction, Recycling and Compost Present
Churchcreek Elem. Health & Wellness Night	4/10/2019	300	Ashley Machlachlan	School	Waste Reduction, Recycling and Compost Present
North Harford Elementary School	4/18/2019	160	Tracey Gay	School	Waste Reduction, Recycling and Compost Present
Harford Community College Enviro Week	4/19/2019	300		School	Waste Reduction, Recycling and Compost Present
High Roads School	4/23/2019	26	Ashley Moorehouse	School	Waste Reduction, Recycling and Compost Present
HCC Earth Day	4/24/2019	60	Laura Burke	School	Waste Reduction, Recycling and Compost Present
Troop #1662	3/16/2019	10	Tiffany Irches	TOUR	Tour
Troop #118	4/6/2019	20	Kimberly Andreen	TOUR	Tour
Troop #1825	4/6/2019	11	Susan Masterson	TOUR	Tour
Troop # 1825	4/13/2019	16	Laura Knapp	TOUR	Tour
Harford County Sheriff Office	4/3/2019	3	Officer Thomas	TOUR	Tour
Cecil County DPW	6/4/2019	3	Cliff Engle/Tanya Adams	TOUR	Tour
Homeschool Group	1/2/2019	15	Brea Able	TOUR	Tour
CM Wright Stem Team	2/19/2019	30	Lynn Griffith	TOUR	Tour
Celebre Learning Center	4/22/2019	25	Laura Bush	TOUR	Tour
Celbree Learning Center	5/7/2019	25	Laura Bush	TOUR	Tour
COOP Homeschool HC Group	5/14/2019	30	Mindy Shartler	TOUR	Tour
Mid Atlantic Human Service Corporation	2/11/2019	20	Parnell Barner	TOUR	Tour
The Arc of Northern Chesapeake John Carroll	6/20/2019	46	Phil Givens	TOUR	Tour
Homeschool Group	1/3/2019	10	Tasha Stiner	TOUR	Tour- Landfill/Recycling/Compost
Homeschool Tour	4/15/2019	8	Brea Able	TOUR	Tour- Second half of group. Couldn't make 1st tour.

10,777.00