



DEPARTMENT OF
**ENVIRONMENTAL
PROTECTION**
Montgomery County, Maryland



DIVISION OF SOLID WASTE SERVICES

QUARTERLY REPORT

JULY, AUGUST AND SEPTEMBER 2014

(1st Quarter of FY15)



Teaching Them Early – Recently the Silver Spring Nursery School held its 10th Annual Truck Touch Day. Children were allowed to bring recyclable items to throw in the truck.

Montgomery County Agricultural Fair: DSWS was awarded a blue ribbon and named the Grand Champion Educational Exhibitor 2014. Staff and volunteers interacted and spoke with 8,464 patrons and distributed 309 compost bins. At right, volunteer students help with arts and crafts.



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OVERVIEW

Tonnage at a Glance

The following table shows key material flows during the months of July, August, and September including the fiscal year to date (FY YTD), and the same calendar month in the two (2) prior fiscal years. As of July 1, 2014 the Shady Grove Processing and Transfer Station began soil screen operations to increase rubble and soil recycling. (County Fiscal Year 2015 began July 1, 2014.)

FACILITY	Jul FY15	FY15 YTD	Jul FY14	Jul FY13
Materials Recovery Facility ⁽¹⁾	6,478 tons	6,478 tons	6,391 tons	6,075 tons
Brunswick Landfill Facility ⁽²⁾	0 ton	0 ton	0 ton	0 ton
Resource Recovery Facility ⁽³⁾	55,874 tons	55,874 tons	53,577 tons	46,997 tons
Yard Trim Compost Facility	4,665 tons	4,665 tons	4,769 tons	591 tons
Honeygo Run Reclamation ⁽⁴⁾	1,454 tons	1,454 tons	3,764 tons	2,799 tons
Other Rubble and Soil Recycling ⁽⁵⁾	3,291 tons	3,291 tons	0 ton	0 ton
Ash Recycling (Old Dominion LF) ⁽⁶⁾	16,851 tons	16,851 tons	17,466 tons	12,013 tons

FACILITY	Aug FY15	FY15 YTD	Aug 14	Aug FY13
Materials Recovery Facility ⁽¹⁾	5,554 tons	12,032 tons	5,888 tons	6,366 tons
Brunswick Landfill Facility ⁽²⁾	0 ton	0 ton	0 ton	0 ton
Resource Recovery Facility ⁽³⁾	53,387 tons	109,263 tons	50,860 tons	47,231 tons
Yard Trim Compost Facility	3,504 tons	8,169 tons	4,017 tons	4,180 tons
Honeygo Run Reclamation ⁽⁴⁾	678 tons	2,132 tons	4,671 tons	2,892 tons
Other Rubble and Soil Recycling ⁽⁵⁾	4,489 tons	7,780 tons	0 ton	0 ton
Ash Recycling (Old Dominion LF) ⁽⁶⁾	16,653 tons	33,504 tons	16,842 tons	13,622 tons

(1) MRF tons reported as outgoing.

(2) Refers to waste sent to the landfill for disposal (ash residue and nonprocessible waste). It does not include rubble and bulk natural wood waste that is recycled.

(3) RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here.

(4) Non-processible waste sent to be sorted for recycling and landfilled.

(5) As of July 1, 2014, the Shady Grove processing Facility and Transfer Station began soil screening operations to increase rubble and soil recycling.

(6) Ash sent to Old Dominion Landfill for internal roads within working landfill cells and alternate daily cover.

FACILITY	Sep FY15	FY15 YTD	Sep FY14	Sep FY13
Materials Recovery Facility ⁽¹⁾	6,240 tons	18,272 tons	5,974 tons	5,746 tons
Brunswick Landfill Facility ⁽²⁾	0 ton	0 ton	0 ton	0 ton
Resource Recovery Facility ⁽³⁾	50,754 tons	160,017 tons	47,603 tons	44,168 tons
Yard Trim Compost Facility	4,187 tons	12,356 tons	3,409 tons	3,631 tons
Honeygo Run Reclamation ⁽⁴⁾	206 tons	2,339 tons	3,528 tons	3,528 tons
Other Rubble and Soil Recycling ⁽⁵⁾	3,457 tons	11,237 tons	0 ton	0 ton
Ash Recycling (Old Dominion LF) ⁽⁶⁾	14,252 tons	47,756 tons	12,563 tons	12,109 tons

(1) MRF tons reported as outgoing.

(2) Refers to waste sent to the landfill for disposal (ash residue and nonprocessible waste). It does not include rubble and bulk natural wood waste that is recycled.

(3) RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here.

(4) Non-processible waste sent to be sorted for recycling and landfilled.

(5) As of July 1, 2014, the Shady Grove processing Facility and Transfer Station began soil screen operations to increase rubble and soil recycling.

(6) Ash sent to Old Dominion Landfill for internal roads within working landfill cells and alternate daily cover.

During July, August and September program staff:

- Researched properties and entered billing changes into the database;
- Prepared monthly house counts for collection contractors;
- Processed vacancy refunds payable in July, August and September;
- Updated Access™ databases and Excel™ spreadsheets for monthly Refuse and Recycling Collection contractor reports;
- Continued routine research and correction of solid waste fee abnormalities as they emerge in the property tax database;
- Generated Hauler/Collector Credit Account invoices for July, August and September 2014 totaling \$4,068,556.68 (an increase of \$132,541.78 above the same quarter in 2013);
- Updated the Aging Report (30-day average arrearage was less than \$15,000 per month for the quarter);
- Reconciled July, August and September 2014 tons to monies posted in ERP, as well as to the total dollars charged in Paradigm;
- FY15 contracts and purchase orders were executed, began work;
- Performed a review of prior-year encumbrance balances and remaining budget balances to resolve incorrect balances in cost centers; and
- Memorandum of Understanding (MOU) was signed by the CAO during August for Gain Sharing project to develop an inventory reuse system-database, and began finalizing details for the pilot to begin.

CITIZEN COMMITTEES

Dickerson Area Facilities Implementation Group (DAFIG) – DAFIG met on Tuesday, September 9, 2014. Topics discussed included the following: Recycling Rate without ash, Oil Spill Plans for tenant farmers, Site 2 leases, and Maintenance of Site 2 properties, DEP Complaint Report, SWAC and Facilities Update. There was no quorum. The next quarterly DAFIG meeting will be held on Tuesday, December 9, 2014.

Solid Waste Advisory Committee (SWAC)

July 2014 – No meeting was held – Summer vacation.

August 2014 – No meeting was held – Summer vacation.

September 2014 – Developed draft 2015 Calendar; discussion with Executive Director, Jessica Weiss, growingSoul, regarding food waste composting. No quorum.

COLLECTIONS

Resident Missed Collection Complaints: These are calls from residents contacting MC311 one or two days after their collection day informing us that their solid waste was not collected.

July 2014	56
July 2013	51
Difference	+5

August 2014	40
August 2013	39
Difference	+1

September 2014	41
September 2013	103
Difference	-62

Resident Service Requests:

July 2014

22 gallon bin pick-up	537
22 gallon bin request	1,834
Bulk trash requests	2,433
Cart pick-up	23
Cart repair	297
65 gallon cart	128
35 gallon cart	128
Field check	217
Literature	245
Property damage/missing	26
Same day	209
Scrap Metal request	1,861

August 2014

22 gallon bin pick-up	457
22 gallon bin request	1,696
Bulk trash requests	2,126
Cart pick-up	30
Cart repair	257
65 gallon cart	180
35 gallon cart	128
Field check	202
Literature	246
Property damage/missing	13
Same day	131
Scrap Metal request	1,507

September 2014

22 gallon bin pick-up	424
22 gallon bin request	1,459
Bulk trash requests	1,881
Cart pick-up	16
Cart repair	305
65 gallon cart	146
35 gallon cart	101
Field check	185
Literature	208
Property damage/missing	16
Same day	132
Scrap Metal request	1,435

Outreach:

Survey Cards:

Staff distributed survey cards while delivering/picking up or repairing bins and carts. Figures in tables are percentages.

In **July**, 1,380 cards were dropped off with a return rate of 14.855%.

	Excellent	Good	Average	Fair	Poor
Recycling Programs	92%	6%	1%	0%	1%
County Staff	74%	21%	2%	2%	1%
Recycling Crews	86%	12%	1%	1%	0%

In **August**, 912 cards were dropped off with a return rate of 19.407%.

	Excellent	Good	Average	Fair	Poor
Container Delivery	91%	8%	1%	0%	0%
Collection Services	76%	19%	2%	2%	1%
DSWS Staff	94%	6%	0%	0%	0%

In **September**, 1,066 cards were dropped off with a return rate of 15.853%.

	Excellent	Good	Average	Fair	Poor
Container Delivery	91%	6%	1%	1%	1%
Collection Services	75%	22%	2%	1%	0%
DSWS Staff	92%	5%	3%	0%	0%

Collection Section Enforcement Actions:

July:

- Citations: No citations were issued.
- Notices of Violation: One (1) notice of violation was issued:
 - 48-20(a) Collect and/or Transport Solid Waste within the County without a valid collector's tag/sticker attached to the vehicle.

August:

- Citations: Two citations were issued.
 - 48-20(a) Collect and/or Transport Solid Waste within the County without a valid collector's tag/sticker attached to the vehicle.
 - 48-20(a) Collect and/or Transport Solid Waste within the County without a valid collector's tag/sticker attached to the vehicle.

- Notices of Violation: Two (2) notices of violation were issued:
 - 48-20 (a) Collected and/or Transported Solid Waste within the County without a valid tag/sticker attached to the vehicle.
 - 48-20 (a) Collected and/or Transported Solid Waste within the County without a valid tag/sticker attached to the vehicle.

September:

- Citations: No citations were issued.
- Notices of Violation: Two (2) notices of violation were issued:
 - 48-23 Leaving collection vehicle running and unattended.
 - 48-20(a) Collect/and or transport solid waste within the County without a valid tag/sticker attached to the vehicle.

Website:

Solid Waste Services Website

Metric	July 2014	August 2014	September 2014
Unique Visitors	22,584	20,365	19,501
Page Loads	113,881	102,420	95,095

Email List Memberships

Topic	Subscribers (new this month)		
	July 2014	August 2014	September 2014
Holiday Reminder	26,341 (231)	26,349 (157)	26,539 (239)
HHW Announcements	12,127 (137)	12,155 (103)	12,231 (161)
Facility Updates	6,595 (97)	6,605 (65)	6,655 (80)
Electronics recycling	9,802 (159)	9,851 (106)	9,956 (141)
Go Green	4,542 (74)	4,565 (55)	4,607 (66)
Civic Loop	4,418 (24)	4,411 (19)	4,405 (25)
SORRT Newsletter	3,103 (23)	3,096 (15)	3,228 (175)
TRRAC	2,124 (24)	2,129 (16)	2,126 (24)
Quarterly Report	2,564 (60)	2,576 (31)	2,601 (44)
Paper Shredding Events	7,146 (235)	7,269 (171)	7,366 (128)
Total Subscriptions	78,762 (1,065)	79,006 (738)	79,714 (1,038)

Most Popular Web Pages

July 2014	August 2014	September 2014
1. Drop off hours and events	Drop off hours and events	Drop off hours and events
2. How do I...	How do I...	How do I...
3. DSWS home page	Transfer Station – home page	DSWS home page
4. Transfer Station – home page	DSWS home page	Recycling, Trash, and Yard Trim Programs - home
5. Web Store – home page	Web Store – home page	Transfer Station – home page
6. Recycling, Trash, and Yard Trim Programs - home	Recycling, Trash, and Yard Trim Programs - home	Web Store – home page
7. Bulk Trash	Bulk Trash	Bulk Trash
8. Web Store – Single-family recycling containers	Web Store – Single-family recycling containers	Web Store – Single-family recycling containers
9. Transfer Station – user fees	Transfer Station – user fees	Holiday schedules
10. Holiday schedules	Scrap Metal recycling	Scrap Metal recycling

WASTE MINIMIZATION

Product Recycled	Jul 2014	FY15 YTD	Jul FY14	Jul FY13
TV's and PC's	167 tons	167 tons	199 tons	140 tons
Propane Tanks	2 tons	2 tons	2 tons	3 tons
Textiles	14 tons	14 tons	12 tons	14 tons
Construction Materials (Don't Dump – Donate)	3 tons	3 tons	2 tons	4 tons
Vehicle Batteries	9 tons	9 tons	11 tons	10 tons
Scrap Metal	557 tons	557 tons	458 tons	432 tons

Product Recycled	Aug 2014	FY15 YTD	Aug FY14	Aug FY13
TV's and PC's	177 tons	344 tons	163 tons	221 tons
Propane Tanks	3 tons	5 tons	2 tons	0 ton
Textiles	11 tons	25 tons	12 tons	13 tons
Construction Materials (Don't Dump – Donate)	0 ton	3 tons	3 tons	3 tons
Vehicle Batteries	7 tons	17 tons	8 tons	8 tons
Scrap Metal	391 tons	948 tons	510 tons	418 tons

Product Recycled	Sep 2014	FY15 YTD	Sep FY14	Sep FY13
TV's and PC's	192 tons	536 tons	141 tons	195 tons
Propane Tanks	1 ton	6 tons	2 tons	3 tons
Textiles	10 tons	35 tons	7 tons	8 tons
Construction Materials (Don't Dump – Donate)	2 tons	5 tons	2 tons	0 tons
Vehicle Batteries	10 tons	27 tons	7 tons	7 tons
Scrap Metal	457 tons	1,405 tons	394 tons	385 tons

HAZARDOUS WASTE PROGRAMS

Household Hazardous Waste (HHW) Collection – There were a total of 36,791 patrons to the program in the first fiscal quarter (July, August, September). During normal business hours we had 35,895 patrons; after 5:00 p.m., we had 896 patrons.

Small Quantity Generator/ECOWISE Program – There were 44 ECOWISE participants in the first quarter that discarded 3.35 tons of business related hazardous materials during the quarter.

WASTE REDUCTION

Bicycle Recycling – “Bikes for the World” removed 1 ton of bikes in the first fiscal quarter for restoration and shipment to countries worldwide.

Paint Reduction – The free paint giveaway program began operations during the first fiscal quarter which resulted in 405 gallons of paint given to Montgomery County Residents. There were 104.43 tons of paint donated to Arts for Humanity (Honduras), however no other paint was donated to other non-profit organizations as there were no other requests for paint donations during the first fiscal quarter.

Straight Vegetable Oil (SVO) Recycling – The Transfer Station has a vendor that accepts Waste Vegetable Oil (WVO) for the sole purpose of bio-diesel production; in the first fiscal quarter, 7 tons of WVO were shipped out for processing into biodiesel.

AIR PERMITS AND ENVIRONMENTAL PROGRAMS

Resource Recovery Facility (RRF): CEMS Tracking of RRF Emissions – There was one event during the quarter that resulted in exceedence of permit limits.

At 8:10 a.m. on Wednesday, August 20, 2014, Boiler Unit #2 experienced a tube leak in its right side water-wall which caused a rapid loss of water. Operators were able to burn off the waste remaining on the bed while safely maintaining sidewall temperatures. This ensured a timely shutdown and significantly reduced excess emissions. However, the facility CEMS recorded exceedances of applicable emission limits for 1-hour, 4-hour and 24 hour carbon monoxide (CO) emission limits as follows:

<u>Actual Emission</u>	<u>Time Block</u>	<u>Beginning</u>		<u>Permit Limit</u>
504.2 lb/hr	1-Hour CO	@ 8:00	vs	176 lb/hr
546.1 lb/hr	1-Hour CO	@ 9:00	vs	176 lb/hr
648.6 lb/hr	1-Hour CO	@ 10:00	vs	176 lb/hr
328.4 lb/hr	1-Hour CO	@ 11:00	vs	176 lb/hr
206.8 lb/hr	1-Hour CO	@ 12:00	vs	176 lb/hr
506.8 lb/hr	4-Hour CO	@ 8:00	vs	87.9 lb/hr
107.3 lb/hr	24-Hour CO	@ 0:00	vs	44.0 lb/hr

Under the Facility's new air permit, regulatory action is possible for emissions during periods of startup, shutdown and malfunction. On July 14, 2014, MDE issued its first NOV

under the new permit. This was relative to emission events, previously reported, which occurred on November 13, 2013 and January 2, 2014.

TES Contract (Weather Station) – All of the instrumentation worked normally this quarter. Data recovery for all parameters was 100 percent. Precipitation for the month of April was 2.25 inches; August 4.03 inches and September .76 inches.

WASTE REDUCTION AND RECYCLING

Public Education and Outreach – DSWS staff and Recycling Program Volunteers participated in 22 community education and outreach events and activities during July, August and September 2014, reaching an estimated total audience of 3,611 people. During the week of August 8-16, 2014, DSWS staff and Recycling Program volunteers staffed the Division's educational recycling exhibit at the Montgomery County Agricultural Fair. Over the course of the 9-day fair, staff and recycling volunteers spoke to 8,464 fair participants, answering their recycling and solid waste questions and providing information about waste reduction, recycling, composting, grasscycling, buying recycled products, and more. The Division's recycling exhibit was awarded a blue ribbon and named the Grand Champion Educational Exhibitor 2014 for its exhibit promoting the 70 percent recycling goal and recycling in general. DSWS planned a series of three (3) paper shredding/recycling and clothing/household items reuse collection events for America Recycles Day 2014. The first event was held on September 13th at Walter Johnson High School in Bethesda. A total of 660 vehicles drove through the event and 13.7 tons of confidential paper was shredded and recycled and 640 pounds of empty cardboard boxes were recycled. The remaining fall events will be held on Sunday, October 5th at Takoma Park Middle School in Silver Spring and on Saturday, November 15th at Northwest High School in Germantown. Each event runs from 10:00 a.m. through 2:00 p.m. The multi-media educational campaign on the County's goal to reduce waste and recycle 70 percent by 2020 continued during the summer. DSWS staff participated in several public affairs interviews which aired on numerous radio stations including iHeart Media, Inc. (Hot 99.5FM, DC101, WMZO 98.7FM, WASH 97.1FM, and BIG 100.3FM) and Radio One (Majic 102.3FM, WKYS 93.9FM, and Praise 104.1FM), as well as in Spanish on WACA Radio America 1540AM. Additional interviews are being scheduled for October. The Fall Issue of the Civic Loop newsletter was posted on the Division's website and emailed to the Civic Loop listserv which includes 4,412 email addresses.

On-Site Composting and Waste Reduction Activities – A total of 632 compost bins were distributed between July 1, 2014 and September 30, 2014 to encourage residents to compost their leaves and grass clippings on-site in a continuing effort to reduce the amount of yard trim materials that must be transported and processed by the county. Staff and recycling program volunteers distributed compost bins to residents during four (4) community events. In addition, DSWS staff conducted a composting workshop and presentation to the Muddy Branch Alliance on September 30th. Staff is in the process of

scheduling several additional composting demonstration workshops for the fall. Staff followed-up on 12 requests for information pertaining to grasscycling and composting during this quarter.

Recycling Investigations Unit – Since the unit was established in 2005, 58,442 site visits and 5,643 formal investigations have been conducted. For the period from July 1, 2014 through September 30, 2014, 151 NOVs were issued to businesses and multi-family properties for infringements against the recycling regulations and Chapter 48. Ten (10) citations were issued to businesses, multi-family properties, and recycling/refuse collection companies for the following reasons: six (6) citations issued to businesses for failure to recycle required recyclable materials; one (1) citation to a business for failure to collect and deliver to a recycling facility materials that have been source separated from the solid waste stream; two (2) citations to recycling/refuse collection companies for collecting solid waste after 9:00 p.m. and before 7:00 a.m. within 500 feet of an occupied residential structure; and one (1) citation to a multi-family property for failure to provide containers for required recyclable materials. In addition, one (1) abatement order was issued against a business that received a citation in September.

Commercial Recycling and Waste Reduction – Between July 1, 2014 and September 30, 2014, SORRT Program staff conducted 2,663 site visits to businesses to check on the status of their recycling programs providing outreach, education and technical assistance. During this same period, staff resolved six complaints, participated in 48 educational events reaching 2,544 people, distributed 920 desk-side recycling bins and 104 “slim jim” recycling containers to businesses to help set-up and/or improve existing recycling programs, and responded to 122 requests for information ranging from educational materials to presentations for property managers, tenants, and employees. Staff completed the field verification of all 587 Annual Business Recycling and Waste Reduction Reports submitted for calendar year 2013. Approval notifications, including the property’s recycling rate are being emailed to all properties that filed recycling reports for CY 2013. During July and August, 14 companies that provide janitorial/maintenance services to businesses in Montgomery County participated in the Division’s Commercial Janitorial/Maintenance Service Training and Certification program. Out of these 14 companies, ten companies have been certified as having had 80 percent of their staff trained on the County’s recycling requirements as they pertain to businesses and commercial properties. A total of 232 people were training during these certification sessions. The Fall Issue of the SORRT Network Newsletter is currently under development and will be emailed and posted on the website by the end of October.

Multi-Family Recycling and Waste Reduction – Between July 1, 2014 and September 30, 2014, TRRAC Program staff conducted 932 on-site visits to multi-family properties to monitor the status and progress of their recycling programs and to recommend on-site recycling program improvements. Staff participated in 13 multi-family property educational events, reaching 814 people. These events included community recycling displays and several resident recycling presentations, staff trainings, resident

board meetings, and lobby events. Staff also responded to 86 requests for information; distributed 4,983 “baby blue” multi-family recycling bins and 109 “slim jim” recycling containers, as well as 30 WasteWatcher XL 32-gallon recycling containers to multi-family properties to increase available recycling capacity; and resolved 9 complaints. DSWS staff completed the field verification and approval of all 653 Multi-Family Annual Recycling and Waste Reduction Reports submitted for calendar year 2013. TRRAC staff continued distributing educational recycling door hangers to multi-family properties, handing out approximately 8,000 door hangers during this period. Three issues of the TRRAC Newsletter were emailed to the 2,126 recipients of our mailing list. The June issue featured articles on increasing recycling capacity and dual stream recycling, the July issue highlighted the 20 recycling achievement recipients who were honored at the 15th Annual Recycling Achievement Recognition Ceremony in May, and the August issue summarized the data reported in the 2013 Multi-Family Annual Recycling and Waste Reduction Reports.

Mixed Paper Recycling – Existing educational materials were distributed to residents at several events. Larger quantities of materials were also provided to homeowner associations and civic groups for their use and distribution.

Volunteer Activities – A total of 98 Recycling Program Volunteers, some of them participating in multiple events, contributed almost 580 hours of their time to support recycling activities from July 1, 2014 through September 30, 2014. One volunteer provided over 48 hours of office assistance which included filing and counting and bundling of educational materials for distribution at outreach events. Fifty-two (52) recycling volunteers, some of whom volunteered during multiple shifts, contributed over 400 hours assisting DSWS during the Montgomery County Agricultural Fair. Eleven (11) volunteers also assisted with a special project to prepare supplies and materials for the “reuse” craft activities during the Fair. Twenty-five (25) volunteers participated in 11 of the 22 community outreach events and provided 88.5 hours of direct service and six (6) volunteers provided almost 21 hours of service during the DSWS paper shredding/recycling and clothing/household item reuse donation collection event on September 13th. Volunteer recruitment efforts during this quarter included attending the Germantown-Gaithersburg Chamber of Commerce Volunteer Showcase, and two (2) volunteer fairs hosted by Montgomery College (Germantown and Takoma Park/Silver Spring campuses). One (1) recycling volunteer joined DSWS staff during the Takoma Park campus volunteer fair contributing 2.5 hours of service. During this quarter, the Division recruited four (4) new volunteers, 19 new applicants and 95 prospect volunteers. In the month of July, one new volunteer orientation/recycling training session was provided for new and existing volunteers in preparation for the Agricultural Fair. Four (4) new volunteers and five (5) returning volunteers attended the session and received information about the County’s various recycling and solid waste programs. Additional orientations have been scheduled and will take place on the first Saturday of each month through December 2014. The Fall Edition of the Recycler was emailed to 299 active and

applicant volunteers. As of September 30, 2014, there are 238 active recycling program volunteers.

PILOT PROGRAMS

Cooperative Collection/Alternative Collection – The SORRT Program continued to monitor all three Cooperative Collection Projects in Silver Spring to ensure that the participants are recycling properly and is currently reviewing pricing information to determine whether their contracts can be renegotiated.

EOB Cafeteria Food Scrap Recycling Model Project – DSWS continued to monitor the model food scrap recycling collection project for the EOB cafeteria. During the course of the project to-date (November 1, 2011 – August 31, 2014) in which pre-consumer food scraps are separated for recycling collection, a total of 49.2 tons of food waste has been collected and recycled. DSWS continues to monitor the collection area daily and works with cafeteria staff on a regular basis.

FACILITY ACTIVITIES

Resource Recovery Facility (RRF) – The RRF processed a total of 160,017 tons for the quarter, or an average of 1,805 tons per day. During this time 7 tours of the plant were given. The plant exported 89,558,000 kilowatt-hours to the power grid. About 2,995 tons of ferrous material was recovered from the ash and recycled. During the quarter, annual stack testing was performed. Unit #1 came down at various times for two water wall leaks, evaporator tube leak, grate bar repairs, and plugging in the economizer. Unit #2 came down at various times for a superheater tube leak economizer leak, feed table damage, and an ash discharger repair. There was also a tube failure in August that resulted in CO emissions exceeding permit limits. Unit #3 was taken down for grate bar repairs. It also came down for its scheduled minor outage in September. The plant also reduced load to accommodate a shortage of ash box deliveries that ultimately lead to some ash having to be back hauled to the transfer station in MSW containers and later delivered by truck to the Out-of-County landfill. Lube oil contamination and repairs to a stop valve in the turbine system lead to the turbine being taken offline twice, requiring the purchase of electricity.

Materials Recovery Facility (MRF) – During the first quarter, the following items were addressed: Worn out floor and screens were replaced on the shaker table. The bailer and cyclone had holes in the transfer ducts repaired and the rubber was replaced on the chutes. A tail pulley on the production line was removed, serviced and replaced. The head pulley and bearings were replaced on the residue belt. Light-sort/PET had the head pulleys, sprockets, bearings, and four return rollers replaced, and the conveyor belt was cut, shortened, and eventually replaced. The belt on the residue conveyor was replaced,

and the right-side head pulleys and bearings were also replaced on the shaker table. The feed conveyor belts on the pre-sort line were replaced. Repairs were made on the pre-sort residue bed, and a new conveyor belt was installed. New conveyor belts and 12 through rollers and return rollers were also installed.

Oaks Landfill – The 2.4 Megawatt landfill gas-to-energy (LFGE) facility continues to operate. Gen #1 and Gen #2 are undergoing a planned overhaul in accordance with manufacturer maintenance recommendations.

SCS Engineers completed the installation of additional soil gas extraction wells and a new groundwater monitoring well. SCS completed the redevelopment and slug testing of groundwater well NES-2. As data is collected in the next one to two years, SCS will analyze the groundwater data to determine whether the new soil gas extraction wells have reduced gas impacts on groundwater quality. The County will prepare a project update for MDE once the groundwater data is analyzed.

The next phase of this project is to conduct a two-year groundwater monitoring evaluation period. Once the evaluation period is completed, SCS will prepare a comprehensive report.

The County sends the semi-annual groundwater monitoring data to SCS for evaluation purposes. The County also provides the quarterly gas results to SCS for evaluation purposes.

The oil and grit disposal facility at the Oaks Landfill Leachate Pretreatment Plant has been in place for nearly twenty years. It accepts trucked-in waste from storm drains, catchments and road gutters. Over the course of the past twenty years, the tipping area has been expanded twice. In recent years, the use of the facility by County, State and private haulers has greatly increased due to stricter requirements for stormwater facility maintenance. In order to manage the inflow of customers to the facility, the tipping area for the trucks to dump their waste was expanded. The tipping area was expanded approximately 16 feet toward the entranceway of the facility with a width of approximately 42 feet, and the construction work was completed in two phases in the months of July and August 2014. The thickness of the concrete pad is one foot to match the present design. With this expansion, the available surface area to receive oil/grit liquids and solids has been increased substantially. Other benefits are a decrease in the time required to dewater and mix oil/grit liquids and solids and reduced waiting times for oil/grit vehicles.

In September, DSWS performed the quarterly inspection of stormwater outfalls at the Oaks Landfill. There were no non-stormwater discharges observed at any of the outfall locations. MDE approved DEP's Notice of Intent (NOI) to include Oaks Landfill under the State's General Discharge Permit for Storm Water Associated with Industrial Activities,

Permit Number 12SW. This is an updated version of the previous State General Discharge Permit that had applied to Oaks Landfill as well as many other County facilities.

Gude Landfill – The 0.8 MW Jenbacher engine at Gude Landfill underwent a planned overhaul in October in accordance with manufacturer maintenance recommendations. While the engine was down, all gas was managed with the ground flare system which has ample capacity. In preparation for winter, SCS Engineers, the gas system operations contractor, is checking all the collection lines and supports on the landfill for low spots where condensate could accumulate and freeze. They will correct pipe slopes to the extent feasible to minimize maintenance problems in the upcoming below freezing weather. MDE continued with their review of the Assessment of Corrective Measures (ACM) Report submitted to MDE on January 31, 2014.

Since the installation of the two new deep gas extraction wells in May of 2014, the methane gas monitoring wells on the northwest boundary of the Gude Landfill adjacent to the gas line right-of-way and the Derwood Station community have been largely in compliance with Maryland Department of the Environment (MDE) standards for gas control (i.e., less than 5 percent methane by volume in wells at the property line). There have been a few minor exceedences. There was recently an exceedence at well 7S down the hill along the utility right-of-way, and the operations contractor, SCS Engineers, has taken corrective actions to improve vacuum on the well field. Gas monitoring data is regularly provided to the Gude Landfill Concerned Citizens (GLCC) which includes current and historical results. In August 2014, seven (7) leachate seeps were repaired.

The monthly meetings, upon request, between GLCC and DSWS will continue throughout the remediation process at the Landfill. Written updates are provided during months when there is insufficient new information to justify a meeting.

DSWS performed the quarterly inspection of stormwater outfalls at the Gude Landfill. There were no non-stormwater discharges observed at any of the outfall locations. There were three areas that had settled and were holding ponded water. These areas were re-graded in August 2014 to improve clean stormwater flow off the landfill. MDE approved DEP's Notice of Intent (NOI) to include Gude Landfill under the State's General Discharge Permit for Storm Water Associated with Industrial Activities, Permit Number 12SW. This is an updated version of the previous State General Discharge Permit that had applied to Gude Landfill as well as many other County facilities.

Beantown Dump Methane Gas Assessment – This project is currently in a data analysis stage. After Phase I Passive Venting Monitoring (PVM) well enhancements, ERM is now analyzing the quarterly methane gas results to determine the effectiveness of the Phase I enhancements and determine what the next phase of the project should entail to meet the remedial action objectives for this site.

Task Order No. 6 – Beantown Dump and Gude Landfill Methane Gas Detector Installation involves replacing existing and supplying new methane detectors to properties that request them in areas where the potential exists for gas migration into structures. While most of the work was done in the former Beantown Dump area near Gude Drive and Dover Road, DEP also took this opportunity to address any additional requests for methane detectors from residents immediately adjacent to the Gude Landfill. Since GLCC issued their newsletter in June 2014 informing residents of this offer, DEP received one additional request from a location meeting the criteria for a free methane detector. This detector was installed.

The County sends the quarterly Beantown Dump area monitoring results to the property owners and ERM.

Solid Waste Transfer Station – Covanta shipped 160,363 tons of processible waste via rail from the Transfer Station for the first quarter of FY 14 compared to 143,328 for the same period last year.

The inbound radiation detectors had 22 total alarms in the first quarter. Eighteen (18) alarms by vehicles that were identified as containing low levels of medical isotopes with short half-lives in trash; four (4) alarms were from drivers who had undergone recent medical tests.

The Public Unloading Facility radiation detectors had seven (7) alarms. All alarms involved drivers or passengers who had undergone recent medical tests and/or treatment involving radioactive isotopes and residual radiation.

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Transfer Station Enforcement – Under Chapter 48 of the Montgomery County Code, a total of 159 enforcement actions were issued during the reporting period. The enforcement composition breakdown includes:

Code Section	Description	Verbal	NOV	Citation	TOTAL
48-05	<i>Permit required to collect or dispose of solid waste</i>	15	1	21	37
48-05(3)(d)	<i>Delivery of solid waste acceptable for recycling</i>	2	6	54	62
48-10	<i>Deposit at other than an approved place – Prohibited</i>	0	0	0	0
48-11	<i>Illegal dumping, dumping in another's container, dumping solid waste on a public right-of-way</i>	0	0	0	0
48-18(a)	<i>Unlicensed Company/Tags</i>	0	0	0	0
48-19(2)(a)	<i>Improper or no tarps on resident vehicle</i>	14	3	1	18
48-19(a)(2)b	<i>Transporting solid waste without a canvas or tarp covering the load tightly Commercial</i>	4	7	6	17
48-20(a)	<i>Un-permitted Vehicle of a Licensed Company</i>	20	1	2	23
48-20(b)	<i>Transporting solid waste without a canvas or tarp covering the load tightly</i>	1	0	1	2
48-22	<i>Out of State Trash being disposed in MC</i>	1	0	0	1
	TOTALS	57	18	85	160

Site 2 Landfill Properties – Solid Waste Services staff gave a new hunter orientation to Patriot Whitetail Removal Team members. A workscope is being developed for repairs to many windows on the historic Chiswell house.

Yard Trim Compost Facility – The facility received 12,356 tons of material for composting this quarter; this compares with 12,195 tons of materials received during the same period last year. No material was diverted to back-up composting facilities this quarter. There were 12,387 cubic yards of bulk LeafGro™ shipped this quarter; compared with 6,900 cubic yards for the same period last year.

Bagging Operation – 60,550 of LeafGro™ were shipped to distributors this quarter. This compares with 69,900 bags shipped during the same period last year. (Each bag is 1.5 cubic feet weighing 45 lbs.)

OUT-OF-COUNTY HAUL

Old Dominion, Richmond, VA – In the first quarter of FY15 approximately 47,756 tons of ash residue were transported to the Old Dominion Landfill for ash recycling and metal recovery. The Ash is screened into two grades for use as road base and alternate daily cover within the confines of the landfill owned by Republic Services. Metals are also removed from the ash both at the RRF and during the screening process at Old Dominion Landfill.

Perry Hall Maryland – Approximately 2,339 tons of asphalt, soil, concrete, and brick and block and other non-processibles were sent to the Honeygo Run Recycling site in Perry Hall, Maryland, for construction and demolition debris recycling for the first quarter of FY14.

DOT Pad Recycling – Starting in July, 2014, Covanta has been operating the DOT pad for construction and demolition recycling and including a soil screening operation. In the first quarter of FY14, 11,237 tons of concrete and dirt has been processed and sent to vendors for recycling.

GENERAL INFORMATION

Important Telephone Numbers

General information on solid waste	311 or 240-777-0311
Customer Service	311 or 240-777-0311
Transfer Station	240-777-6560 (County Office) 301-916-3031 (Covanta) 301-330-2840 (MES)
Materials Recovery Facility	240-777-6591 (County Office) 301-417-1433 (MES)
Resource Recovery Facility	240-777-6494 (County Office) 301-916-3031 (Covanta)
Yard Trim Compost Facility	301-428-8185 (MES)
Internet for DSWS	www.montgomerycountymd.gov/solidwaste www.montgomerycountymd.gov/recycling www.montgomerycountymd.gov/hazardouswaste www.montgomerycountymd.gov/useitagain www.montgomerycountymd.gov/yardtrim

Note: All comments, questions, and suggestions on the contents of this report should be addressed to:

Serena Bell
Department of Environmental Protection
Division of Solid Waste Services
101 Monroe Street, 6th Floor
Rockville, MD 20850
Tel: 240-777-6459
Fax: 240-777-6465
Email: serena.bell@montgomerycountymd.gov

SOLID WASTE FACTS IN A NUTSHELL

TOPIC OR FACILITY	
Latest Tonnage of Materials Recycled in Montgomery County	592,148 (CY12)
Latest Recycling and Waste Diversion Rate Reported in Montgomery County	59.8% (CY12)
Recycling Goal	70% by December 31, 2020
Resource Recovery Facility (RRF)	Permitted Capacity = 657,000 tons per calendar year (based on 5,500 BTU/lb waste)
Yard Trim Compost Facility	<p>Under the Sugarloaf Settlement Agreement, operations are limited to the receipt of 77,000 tons per fiscal year.</p> <p>In FY13, 64,241.27 tons of yard trim were received at the Dickerson Facility.</p>
# Residences receiving trash collection by County contractors	91,378
# Residences receiving collection of recyclables in blue bins and yard trim collection	213,779
Term of out-of-county waste transportation and disposal contract with Brunswick Waste Management Facility, Inc.	June 19, 1997 through June 30, 2017 including an approval option for a five-year renewal. (Service started October 20, 1997.)

GLOSSARY OF ACRONYMS

ACM	Assessment of Corrective Measures Work Plan
BTU	British Thermal Unit
CEMS	Continuous Emissions Monitoring System
DAFIG	Dickerson Area Facilities Implementation Group
DEP	Department of Environmental Protection
DSWS	Division of Solid Waste Services
ERM	Environmental Resources Management
ERP	Enterprise Resource Planning
FY	Fiscal Year
GLCC	Gude Landfill Concerned Citizens
HHW	Household Hazardous Waste
kWh	Kilowatt-hours
LFGE	Landfill Gas-to-Energy
MDE	Maryland Department of the Environment
MES	Maryland Environmental Services
M-NCPPC	Maryland-National Capital Park and Planning Commission
MRF	Materials Recovery Facility
MWh	Mega Watt hours
NOI	Notice of Intent
NOV	Notice of Violation
OMB	Office of Management and Budget (Montgomery County)
PET	Polyethylene Terephthalate
PVM	Passive Venting Monitoring
RRF	Resource Recovery Facility
SORRT	Smart Organizations Reduce and Recycle Tons
SWAC	Solid Waste Advisory Committee
SVO	Straight Vegetable Oil
TRRAC	Think Reduce and Recycle at Apartments and Condominiums
VOC	Volatile Organic Compound
WVO	Waste Vegetable Oil
YTD	Year-To-Date