



D E P A R T M E N T O F
**ENVIRONMENTAL
PROTECTION**
Montgomery County, Maryland



DIVISION OF SOLID WASTE SERVICES

QUARTERLY REPORT

OCTOBER, NOVEMBER, AND DECEMBER 2014
(2nd Quarter of FY15)



Printed on Recycled and Recyclable Paper



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OVERVIEW

Tonnage at a Glance

The following table shows key material flows during the months of October, November, and December 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 screening operations to increase rubble and soil recycling. (County Fiscal Year 2015 began July 1, 2014.)

FACILITY	Oct FY15	FY15 YTD	Oct FY14	Oct FY13
Materials Recovery Facility ⁽¹⁾	6,274 tons	24,546 tons	6,301 tons	5,893 tons
Brunswick Landfill Facility ⁽²⁾	0 ton	0 ton	0 ton	0 ton
Resource Recovery Facility ⁽³⁾	49,361 tons	209,378 tons	47,422 tons	45,920 tons
Yard Trim Compost Facility	4,765 tons	17,121 tons	4,186 tons	4,870 tons
Honeygo Run Reclamation ⁽⁴⁾	293 tons	2,632 tons	3,652 tons	3,074 tons
Other Rubble and Soil Recycling ⁽⁵⁾	1,989 tons	13,226 tons	0 ton	0 ton
Ash Recycling (Old Dominion LF) ⁽⁶⁾	15,401 tons	63,157 tons	13,390 tons	13,108 tons

FACILITY	Nov FY15	FY15 YTD	Nov FY14	Nov FY13
Materials Recovery Facility ⁽¹⁾	5,749 tons	30,295 tons	5,916 tons	7,300 tons
Brunswick Landfill Facility ⁽²⁾	0 ton	0 ton	0 ton	0 ton
Resource Recovery Facility ⁽³⁾	47,431 tons	256,809 tons	42,694 tons	44,177 tons
Yard Trim Compost Facility	12,695 tons	29,816 tons	15,443 tons	20,025 tons
Honeygo Run Reclamation ⁽⁴⁾	58 tons	2,690 tons	1,139 tons	1,944 tons
Other Rubble and Soil Recycling ⁽⁵⁾	1,817 tons	15,043 tons	0 ton	0 ton
Ash Recycling (Old Dominion LF) ⁽⁶⁾	13,522 tons	76,679 tons	12,687 tons	11,907 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	Dec FY15	FY15 YTD	Dec FY14	Dec FY13
Materials Recovery Facility ⁽¹⁾	7,441 tons	37,736 tons	7,123 tons	6,456 tons
Brunswick Landfill Facility ⁽²⁾	0 ton	0 ton	0 ton	0 ton
Resource Recovery Facility ⁽³⁾	48,450 tons	305,259 tons	45,901 tons	47,231 tons
Yard Trim Compost Facility	15,116 tons	44,932 tons	14,712 tons	8,664 tons
Honeygo Run Reclamation ⁽⁴⁾	0 ton	2,690 tons	662 tons	1,575 tons
Other Rubble and Soil Recycling ⁽⁵⁾	1,635 tons	16,678 tons	0 ton	0 ton
Ash Recycling (Old Dominion LF) ⁽⁶⁾	13,922 tons	90,601 tons	11,786 tons	14,313 tons

(1) MRF tons reported as outgoing.

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(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.

During October, November and December program staff:

- Researched properties and entered billing changes into the database;
- Prepared monthly house counts for collection contractors;
- Processed vacancy refunds payable in October, November and December;
- 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 October, November and December 2014 totaling \$3,861,165.22 (an increase of \$188,194.74 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 October, November and December 2014 tons to monies posted in ERP, as well as to the total dollars charged in Paradigm;
- Submitted the FY16 budget to OMB for their review; and
- Performed a review of prior-year encumbrance balances and remaining budget balances.

CITIZEN COMMITTEES

Dickerson Area Facilities Implementation Group (DAFIG) – DAFIG met on Tuesday, December 9, 2014. Topics discussed included the following: Oil Spill Plans for tenant farmers, Ground Water Monitoring, Site 2 leases, and Maintenance of Site 2 properties, DEP Complaint Report, SWAC and Facilities Update. There was a quorum. The next quarterly DAFIG meeting will be held on Tuesday, March 10, 2015.

Solid Waste Advisory Committee (SWAC)

October 2014 – Discussed memo from Eileen Kao regarding updates on County recycling programs and food waste pilot. No quorum

November 2014 – Presentations by Gemma Evans (Howard County Gov't), and Brenda Platt (Co-Director, Institute for Local Self-Reliance) on food waste composting. No quorum.

December 2014 – No meeting was scheduled in December.

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.

October 2014	43
October 2013	196
Difference	-153

November 2014	35
November 2013	31
Difference	+4

December 2014	46
December 2013	37
Difference	+9

Resident Service Requests:

October 2014

22 gallon bin pick-up	375
22 gallon bin request	1,346
Bulk trash requests	1,842
Cart pick-up	19
Cart repair	245
65 gallon cart	127
35 gallon cart	111
Field check	210
Literature	184
Property damage/missing	19
Same day	118
Scrap Metal request	1,243

November 2014

22 gallon bin pick-up	246
22 gallon bin request	1,122
Bulk trash requests	1,627
Cart pick-up	12
Cart repair	200
65 gallon cart	102
35 gallon cart	70
Field check	133
Literature	131
Property damage/missing	22
Same day	98
Scrap Metal request	1,085

December 2014

22 gallon bin pick-up	292
22 gallon bin request	1,096
Bulk trash requests	1,688
Cart pick-up	5
Cart repair	231
65 gallon cart	181
35 gallon cart	12
Field check	169
Literature	82
Property damage/missing	16
Same day	127
Scrap Metal request	1,078

Outreach:

Survey Cards:

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

In **October**, 1,124 cards were dropped off with a return rate of 12%.

	Excellent	Good	Average	Fair	Poor
Recycling Programs	95%	5%	0%	0%	0%
County Staff	79%	18%	1%	1%	1%
Recycling Crews	92%	7%	1%	0%	0%

In **November**, 900 cards were dropped off with a return rate of 11%.

	Excellent	Good	Average	Fair	Poor
Container Delivery	91%	7%	0%	0%	2%
Collection Services	76%	20%	2%	2%	0%
DSWS Staff	78%	22%	0%	0%	0%

In **December**, 1,140 cards were dropped off with a return rate of 15%.

	Excellent	Good	Average	Fair	Poor
Container Delivery	98%	2%	0%	0%	0%
Collection Services	78%	15%	4%	3%	0%
DSWS Staff	95%	5%	0%	0%	0%

Collection Section Enforcement Actions:

October:

- Citations: One citation 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.
- Notices of Violation: Six (6) notices of violation were issued:
 - 109-92 Failure to have a recycling program on site (2 times).
 - 48-24(c) Failure to store solid waste in a verin proof and water proof container equipped with a tight fitting lid (4 times).

November:

- Citations: No citations were issued.
- Notices of Violation: Three (3) notices of violation were issued:
 - 48-20(b) Operating a collection vehicle without a suitable tight fitting lid.
 - 48-24(e) 2 Failure to remove or have garbage collected within a week.
 - 48-11 Deposit solid waste upon a public highway.

December:

- Citations: No citations were issued.
- Notices of Violation: No notices of violation were issued.

Website:

Solid Waste Services Website

Metric	October 2014	November 2014	December 2014
Unique Visitors	18,450	20,937	20,325
Page Loads	88,988	97,407	95,168

Email List Memberships

Topic	Subscribers (new this month)		
	October 2014	November 2014	December 2014
Holiday Reminder	26,686 (285)	26,349 (157)	26,539 (239)
HHW Announcements	12,330 (151)	12,155 (103)	12,231 (161)
Facility Updates	6,699 (92)	6,605 (65)	6,655 (80)
Electronics recycling	10,046 (140)	9,851 (106)	9,956 (141)
Go Green	4,651 (76)	4,565 (55)	4,607 (66)
Civic Loop	4,391 (22)	4,411 (19)	4,405 (25)
SORRT Newsletter	3,224 (17)	3,096 (15)	3,228 (175)
TRRAC	2,136 (22)	2,129 (16)	2,126 (24)
Quarterly Report	2,631 (49)	2,576 (31)	2,601 (44)
Paper Shredding Events	7,493 (155)	7,670 (211)	7,366 (126)
Recycling Volunteers	----	----	179 (179)
Total Subscriptions	80,287 (1,009)	81,609 (1,774)	81,391 (723)

Most Popular Web Pages

October 2014	November 2014	December 2014
1. Drop off hours and events	Drop off hours and events	Drop off hours and events
2. How do I...	Holidays	How do I...
3. DSWS home page	How do I...	Holidays
4. Recycling, Trash, and Yard Trim Programs - home	DSWS home page	DSW home page
5. Transfer Station – home page	Recycling, Trash, and Yard Trim Programs - home	Recycling, Trash, and Yard Trim Programs - home
6. Recycling, Trash, and Yard Trim Programs - home	Transfer Station – home page	Transfer Station – home page
7. Bulk Trash	Web Store – home page	Web Store – home page
8. Holidays	Bulk Trash	Bulk Trash
9. Web Store – Single-family recycling containers	Web Store – Single-family recycling containers	Web Store – Single-family recycling containers
10. Scrap Metal recycling	Solid Waste Facilities – home	Unity worker strike

WASTE MINIMIZATION

Product Recycled	Oct 2014	FY15 YTD	Oct FY14	Oct FY13
TV's and PC's	164 tons	700 tons	169 tons	133 tons
Propane Tanks	3 tons	9 tons	2 tons	3 tons
Textiles	11 tons	46 tons	11 tons	8 tons
Construction Materials (Don't Dump – Donate)	0 ton	5 tons	4 tons	7 tons
Vehicle Batteries	7 tons	34 tons	9 tons	9 tons
Scrap Metal	431 tons	1,836 tons	448 tons	329 tons

Product Recycled	Nov 2014	FY15 YTD	Nov FY14	Nov FY13
TV's and PC's	148 tons	848 tons	122 tons	173 tons
Propane Tanks	2 tons	11 tons	2 tons	0 ton
Textiles	6 tons	52 tons	11 tons	11 tons
Construction Materials (Don't Dump – Donate)	0 ton	5 tons	0 tons	2 tons
Vehicle Batteries	8 tons	42 tons	5 tons	9 tons
Scrap Metal	350 tons	2,186 tons	328 tons	379 tons

Product Recycled	Dec 2014	FY15 YTD	Dec FY14	Dec FY13
TV's and PC's	164 tons	1,012 tons	154 tons	139 tons
Propane Tanks	2 tons	13 tons	1 ton	2 tons
Textiles	11 tons	63 tons	11 tons	0 ton
Construction Materials (Don't Dump – Donate)	1 ton	6 tons	0 ton	2 tons
Vehicle Batteries	7 tons	49 tons	6 tons	7 tons
Scrap Metal	368 tons	2,554 tons	336 tons	308 tons

HAZARDOUS WASTE PROGRAMS

Household Hazardous Waste (HHW) Collection – There were a total of 20,755 patrons to the program in the second fiscal quarter (October, November, December). During normal business hours we had 19,812 patrons; after 5:00 p.m., we had 943 patrons.

Small Quantity Generator/ECOWISE Program – There were 41 ECOWISE participants in the second quarter that discarded 2.64 tons of business related hazardous materials during the quarter.

WASTE REDUCTION

Bicycle Recycling – “Bikes for the World” removed 3 tons of bikes in the second fiscal quarter for restoration and shipment to countries worldwide.

Paint Reduction – The free paint giveaway program did not operate during the second fiscal quarter due to the seasonal closing of the County's paint giveaway. As a result, 0 gallons of paint were given to Montgomery County Residents. There were however, 26.85 tons of paint donated to Arts for Humanity. No other paint was donated to other non-profit organizations as there were no other requests for paint donations during the second 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 second fiscal quarter, 6 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 no exceedence of air permit emission limits during the quarter. However, Covanta received an NOV for the event that was reported during the prior quarter.

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 October was 1.2 inches; November 2.38 inches and December 3.26 inches.

WASTE REDUCTION AND RECYCLING

Public Education and Outreach – DSWS staff and Recycling Program Volunteers participated in 26 community education and outreach events and activities during October, November and December 2014, reaching an estimated total audience of 5,054 people. DSWS coordinated and held a series of three (3) confidential paper shredding/recycling and clothing/household items reuse collection events for America Recycles Day 2014: September 13 at Walter Johnson High School in Bethesda, October 5 at Takoma Park Middle School in Silver Spring, and November 15 at Northwest High School in Germantown. A total of 1,552 vehicles were counted during these three events

and residents brought 31.9 tons of confidential paper for shredding and recycling and 1,411 pounds of empty cardboard boxes for recycling. Residents donated quality clothing and other household items for reuse donation to fill more than 2.5 commercial box trucks for reuse. In October and early November, DSWS staff provided assistance to the Montgomery County Board of Elections to ensure recycling containers for mixed paper and commingled materials were available for both voters and election volunteers to recycle at each and every polling location in the County. During a one week period leading up to the early voting dates in October, DSWS Waste Reduction and Recycling Section staff visited each of the nine (9) early voting polling locations to ensure that each location had an adequate supply of recycling containers to ensure convenient access to recycling. Prior to the General Election Day, on November 4, DSWS staff also visited each of the 34 private polling sites to ensure those polling locations also had an adequate supply of recycling containers. DSWS provided recycling containers to those locations that needed additional recycling capacity. The multi-media educational awareness campaign on the County's goal to reduce waste and recycle 70 percent by 2020 continued during the fall. DSWS staff participated in several public affairs interviews which aired on numerous radio stations including iHeart Media, Inc. (Hot 99.5FM, DC101, WMZQ 98.7FM, WROX 107.3FM, WASH 97.1FM, and BIG 100.3FM), as well as in English and Spanish on WACA Radio America 1540AM. On November 19, the Winter Issue of the Civic Loop newsletter was posted on the Division's website and emailed to 4,406 email addresses registered through the Civic Loop listserv. This issue highlighted ideas to reduce the amount of waste generated during the holiday season. On December 16, DSWS staff participated in MDE's Maryland Zero Waste Plan Forum and provided comments on the final version of the state's Plan. Several outreach and educational materials have been updated and are in the process of being printed for distribution at upcoming outreach and educational events this winter and spring.

On-Site Composting and Waste Reduction Activities – A total of 692 compost bins were distributed between October 1, 2014 and December 31, 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 requires processing by the county. Staff and recycling program volunteers distributed compost bins to residents during five (5) community events this fall. In addition, DSWS staff was invited by the Maryland Department of Natural Resources to conduct a composting workshop and presentation to residents at Seneca Creek State Park on October 15. Staff is in the process of scheduling composting demonstration workshops for the spring. Staff followed-up on 33 requests for compost bins and educational materials and information pertaining to grasscycling and composting during this quarter.

Recycling Investigations Unit – Since the unit was established in 2005, 60,087 site visits and 5,784 formal investigations have been conducted. For the period from October 1, 2014 through December 31, 2014, 126 NOVs were issued to businesses and multi-family properties for infringements against the recycling regulations and Chapter 48. A total of 32 citations were issued to businesses and recycling/refuse collection companies

for the following reasons: twenty (20) citations issued to businesses for failure to recycle required recyclable materials; one (1) citation to a collector for failure to collect and deliver to a recycling facility materials that have been source separated from the solid waste stream; one (1) citation to transportation/freight business for depositing solid waste upon the property of another without written consent, eight (8) 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; one (1) citation to a business for failure to provide containers for required recyclable materials; and one (1) citation to a business for not maintaining the premises by permitting solid waste to be stored outside of approved containers. In addition, two (2) abatement orders were requested against businesses that received a citation in November.

Commercial Recycling and Waste Reduction – Staff of the SORRT Program conducted 3,647 site visits to businesses from October 1, 2014 through December 31, 2014. During this same period, staff resolved eight (8) complaints, participated in 32 educational events reaching 2,408 people, distributed 761 desk-side (7-gallon) recycling bins and 180 slim jim (23-gallon) recycling containers to businesses to help set-up and/or improve existing recycling programs. Staff also responded to 80 requests for information ranging from educational materials to presentations for property managers, tenants, and employees. On October 30, 2014 the SORRT Program hosted the Recycling Oversight Committee (ROC) meeting for representatives from local, State and Federal government agencies to share information pertaining to the County's business recycling requirements and discuss experiences and ideas to help them improve their recycling efforts. Recycling Coordinators from the United States Postal Service and the National Institutes of Health attended this meeting. Staff emailed notifications regarding the CY2014 Annual Business Recycling and Waste Reduction Report to 593 businesses and commercial properties, with only 22 copies of the report being sent via US Mail to businesses. Large-sized businesses are required to file their annual recycling report by February 1, 2015, and medium-sized businesses and selected small businesses, as well as property owners of multi-tenant commercial properties are required to file their reports by March 1, 2015. A webinar has been scheduled for January 15, 2015 to demonstrate to businesses how they can file their annual recycling report on-line.

Multi-Family Recycling and Waste Reduction – Between October 1, 2014 and December 31, 2014, TRRAC Program staff conducted 755 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 14 multi-family property educational events, reaching 656 people. These events included community recycling displays and several resident recycling presentations, staff trainings, resident board meetings, and lobby events. Staff also responded to 63 requests for information; distributed 1,643 - baby blue (6-gallon) multi-family recycling bins, 44 - slim jim (23-gallon) recycling containers, 203 - WasteWatcher XL (32-gallon) recycling containers, 38 - Brute (44-gallon) recycling containers, and 25 - Glutton (55-gallon) recycling containers to multi-family properties to increase available recycling capacity; and resolved six (6)

complaints. TRRAC staff continued distributing educational recycling door hangers to multi-family properties, handing out approximately 11,000 door hangers during this period. This included an event on December 13, 2014 when County staff and eight (8) recycling program volunteers distributed door hangers to 906 dwelling units at three multi-family properties. The winter issue of the TRRAC Newsletter was emailed to 2,142 recipients on the TRRAC email listserv. This issue featured articles on holiday recycling and waste reduction opportunities and a reminder and summary of the annual reporting requirements for multi-family properties. An email notice was sent to 756 property managers (representing 664 multi-family properties) reminding them of the Multi-Family Annual Recycling and Waste Reduction Reports reporting deadline. The TRRAC Program brochure was revised and printed for distribution to multi-family property managers. This brochure outlines the services and materials available for multi-family properties to increase recycling achievement.

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 57 Recycling Program Volunteers, some of them participating in multiple events, contributed just over 210 hours of their time to support recycling activities from October 1, 2014 through December 31, 2014. One (1) volunteer provided more than 46 hours of office assistance which included filing and counting and bundling of educational materials for distribution at outreach events. Sixteen (16) volunteers participated in eight (8) of the 26 community outreach events and provided 61.5 hours of direct service. Additionally, 13 volunteers provided 39.5 hours of service during the three (3) DSWS confidential paper shredding/recycling and clothing/household item reuse donation collection events. One (1) Speaker Bureau volunteer contributed four (4) hours of service by “staffing” an educational display and table at an event in Olney. Also during this quarter, two (2) Neighborhood Block Captain Volunteers provided recycling updates and information to 239 of their neighbors. A total of 11 volunteers contributed over 43 hours of their time to assist DSWS in the annual Silver Spring Thanksgiving Parade to raise awareness of the County’s goal to reduce waste and recycle 70 percent by 2020. Volunteer recruitment and training efforts continued during this quarter with DSWS holding two (2) volunteer orientation and training sessions. Twenty-one (21) new volunteers and one (1) existing volunteer attended the orientation sessions and received information about the County’s various recycling and solid waste programs. Future recycling volunteer orientation sessions are scheduled for Saturday, January 10, 2015 and Tuesday, February 10, 2015. As of December 31, 2014, there are 259 active recycling program volunteers. Staff emailed the Winter issue of the Recycletter newsletter to recycling volunteers which included information pertaining to recycling and waste reduction information for the holidays, as well as a thank-you to all of the 107 volunteers who contributed their time in calendar year 2014.

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 – November 30, 2014) in which pre-consumer food scraps are separated for recycling collection, a total of 55.9 tons of food waste has been collected and recycled. DSWS continues to monitor the collection area daily and checks for feedback from cafeteria staff on a regular basis.

FACILITY ACTIVITIES

Resource Recovery Facility (RRF) – The RRF processed a total of 145,242 tons for the quarter, or an average of 1,579 tons per day. During this time 20 tours of the plant were given. The plant exported 73,115,000 kilowatt-hours to the power grid. About 2,711 tons of ferrous material was recovered from the ash and recycled. During the quarter Unit #1 came down for its scheduled major outage. Several steps were included in the outage to help prevent future leaks from occurring. The upper sections of the evaporator tubes were replaced with spiral wound inconel tubes, the economizer connections to the header were modified, and two view ports were eliminated and bent water tubes replaced with straight run spiral wound inconel tubes. Unit #2 came down at various times for repairs to the feed table, a superheater tube leak and economizer leak, and grate bar damage. It also came down for its scheduled minor outage in November when grate bars, the air pre-heater, and riddling chutes were replaced. Unit #3 was taken down for a tube leak in the furnace. The plant also reduced load to accommodate a scheduled minor overhaul of the turbine-generator set requiring the purchase of electricity.

Materials Recovery Facility (MRF) – During the second quarter the following items were addressed: Holes in the production line cyclone were repaired and the inner bed of the cyclone was lined with Ultra-high-molecular-weight polyethylene (UHMW) to assist in extending the life-cycle of the cyclone due to repeated wear, the old perforator was removed and replaced with a new perforator to help increase our material processing capabilities and reduce processing downtime; head pulleys, bearings, and V-belts were replaced on three conveyors, and a feed/tension motor was replaced on one of the processing balers. Holes in the steel conveyor bed were repaired and the bearings on the gearbox were replaced along with a new conveyor belt that was installed on the steel conveyor.

Six return rollers and 18 urethane rubber discs were replaced, and an additional 40-foot conveyor belt was installed. Chutes were repositioned with urethane rubber, and two adapters were replaced. Preventative maintenance was performed and primary repairs were made to one of our 40-cubic yard hoppers which included the replacement of the cross bars.

Oaks Landfill – The 2.4 Megawatt landfill gas-to-energy (LFGE) facility continues to operate.

The newly installed soil gas extraction wells and groundwater monitoring wells are functioning well. SCS is currently analyzing the groundwater data to determine whether the groundwater is still being affected by gas migration. In November 2014, SCS performed the 1st quarterly sampling as the part of next phase of this project i.e. a two-year groundwater monitoring evaluation by SCS to 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 SCS effort is related to a Nature and Extent Investigation of historically low level groundwater contamination in the northwest sector of the Oaks Landfill property that may be partially related to gas migration and is in addition to the routine post-closure monitoring and reporting done by DEP.

The newly expanded oil and grit receiving area is functioning smoothly.

In accordance with the O&M contract, an annual testing of the Oaks Landfill Gas (LFG) was conducted in November 2014 by SCS to evaluate current concentrations of specific compounds in the LFG identified to be of interest by the Authority for comparison with previous testing results and field results. From the analysis of the test results, it was concluded that no substances in the LFG at Oaks Landfill were present in higher concentrations than the EPA default AP-42 concentrations. Also in November 2014, an annual stack testing was conducted (MDE permit requirement). Preliminary reports of this testing indicated no violations of the air permit for the Oaks Landfill gas to energy facility.

In December 2014, 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.

Gude Landfill – The 0.8 MW Megawatt landfill gas-to-energy (LFGE) facility continues to operate. 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 exceedences with the wells near the pond off of the 600 E. Gude Drive entrance, and the operations contractor, SCS Engineers, has taken corrective actions to improve vacuum on the well field. After SCS's most recent field adjustments, the gas monitoring data indicated that the wells are in compliance. Gas monitoring data is regularly provided to the Gude Landfill Concerned Citizens (GLCC) which includes current and historical results.

In accordance with the O&M contract, an annual testing of the Gude Landfill Gas (LFG) was conducted in November 2014 by SCS to evaluate current concentrations of specific compounds in the LFG identified to be of interest by the Authority for comparison with previous testing results and field results. From the analysis of the test results, it was concluded that no substances in the LFG at Gude Landfill were present in higher concentrations than the EPA default AP-42 concentrations. Also in November 2014, an annual stack testing was conducted as part of the MDE permit requirement. Preliminary reports of this testing indicated no violations of the air permit for the Gude Landfill gas to energy facility.

The monthly meetings, upon request, between GLCC (i.e. the community) 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.

Beantown Dump Project – 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 to determine what the next phase of the project should entail to meet the remedial action objectives for this site.

The most recent quarterly monitoring data has indicated considerable improvements after Phase I PVM well enhancements.

The County sends the quarterly monitoring results to the property owners and ERM. The results are sent to DSWS by the DEP sampling personnel on a quarterly basis.

Solid Waste Transfer Station – Covanta shipped 131,850 tons of processible waste via rail from the Transfer Station for the second quarter of FY15 compared to 137,540 for the same period last year.

The inbound radiation detectors had 29 total alarms in the second quarter. Twenty six alarms by vehicles whose loads were identified as containing low levels of medical isotopes with short half-lives in trash; two (2) alarms were from drivers who had undergone recent medical tests. One (1) alarm containing RA226 was not acceptable.

The Public Unloading Facility radiation detectors had nine (9) alarms. All alarms involved drivers or passengers who had undergone recent medical tests and/or treatment involving radioactive isotopes and residual radiation.

Transfer Station Enforcement – Under Chapter 48 of the Montgomery County Code, a total of 181 enforcement actions were issued during the reporting period. The enforcement composition breakdown includes:

Code Section	Description	Verbal	NOV	Citation	TOTAL
48-05(3)(d)	<i>Delivery of solid waste acceptable for recycling</i>	28	5	17	50
48-11	<i>Illegal dumping, dumping in another's container, dumping solid waste on a public right-of-way</i>	1	0	0	1
48-18(a)	<i>Unlicensed Company/Tags</i>	0	5	35	40
48-19(a)(1)	<i>Transporting Solid Waste without a valid Collectors/Hauler tag</i>	1	0	4	5
48-19(2)(a)	<i>Improper or no tarps on resident vehicle</i>	30	5	4	39
48-19(a)(2)b	<i>Transporting solid waste without a canvas or tarp covering the load tightly Commercial</i>	4	3	13	20
48-19(a)(3)	<i>Person cannot engage in business of collecting or transporting solid waste without obtaining a license</i>	6	0	1	7
48-20(a)	<i>Un-permitted Vehicle of a Licensed Company</i>	1	1	14	16
48-20(d)	<i>Unsafe Vehicle</i>	0	0	1	1
48-24(c)	<i>Container Standards must be maintained</i>	0	0	2	2
	TOTALS	71	19	91	181

Site 2 Landfill Properties – Solid Waste Services staff applied for a new Letter of Authority to continue harvesting deer under its deer management program. An application for an Historic Area Work Permit was submitted to and approved by the Historic Preservation Commission for repairing numerous windows at the Chiswell house.

Yard Trim Compost Facility – The facility received 32,576 tons of material for composting this quarter; this compares with 34,341 tons of materials received during the same period last year. No material was diverted to back-up composting facilities this quarter. There were 13,619 cubic yards of bulk LeafGro™ shipped this quarter; compared with 13,890 cubic yards for the same period last year.

Bagging Operation – 112,150 bags of LeafGro™ were shipped to distributors this quarter. This compares with 32,500 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 second quarter of FY15 approximately 42,845 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 351 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 second quarter of FY15.

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 second quarter, 5,441 tons of concrete and dirt were 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 www.montgomerycountymd.gov/veggieoil

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	609,151 (CY13)
Latest Recycling and Waste Diversion Rate Reported in Montgomery County	60.18% (CY13)
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 FY14, 69,110.25 tons of yard trim were received at the Dickerson Facility.</p>
# Residences receiving trash collection by County contractors	91,386
# Residences receiving collection of recyclables in blue bins and yard trim collection	214,220
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
O&M	Operations and Maintenance
OMB	Office of Management and Budget (Montgomery County)
PET	Polyethylene Terephthalate
PVM	Passive Venting Monitoring
ROC	Recycling Oversight Committee
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
UHMW	Ultra-high-molecular-weight polyethylene

VOC	Volatile Organic Compound
WVO	Waste Vegetable Oil
YTD	Year-To-Date