



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



***DIVISION OF SOLID WASTE SERVICES***

***QUARTERLY REPORT***

***JANUARY, FEBRUARY, AND MARCH 2015***  
(3<sup>rd</sup> Quarter of FY15)



A SCENE REPEATED MANY TIMES DURING THE PAST WINTER

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 January, February, and March 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.)

<b>FACILITY</b>	<b>Jan FY15</b>	<b>FY15 YTD</b>	<b>Jan FY14</b>	<b>Jan FY13</b>
Materials Recovery Facility <sup>(1)</sup>	6,462 tons	44,198 tons	6,460 tons	6,974 tons
Brunswick Landfill Facility <sup>(2)</sup>	0 ton	0 ton	0 ton	0 ton
Resource Recovery Facility <sup>(3)</sup>	45,609 tons	350,868 tons	49,585 tons	43,110 tons
Yard Trim Compost Facility	3,370 tons	48,302 tons	1,778 tons	1,923 tons
Honeygo Run Reclamation <sup>(4)</sup>	610 tons	3,300 tons	508 tons	3,632 tons
Other Rubble and Soil Recycling <sup>(5)</sup>	837 tons	17,515 tons	0 ton	0 ton
Ash Recycling (Old Dominion LF) <sup>(6)</sup>	13,287 tons	103,888 tons	13,154 tons	11,606 tons

<b>FACILITY</b>	<b>Feb FY15</b>	<b>FY15 YTD</b>	<b>Feb FY14</b>	<b>Feb FY13</b>
Materials Recovery Facility <sup>(1)</sup>	4,628 tons	48,826 tons	4,952 tons	5,415 tons
Brunswick Landfill Facility <sup>(2)</sup>	0 ton	0 ton	0 ton	0 ton
Resource Recovery Facility <sup>(3)</sup>	37,626 tons	388,494 tons	36,424 tons	40,807 tons
Yard Trim Compost Facility	424 tons	48,726 tons	661 tons	1,126 tons
Honeygo Run Reclamation <sup>(4)</sup>	1,172 tons	4,472 tons	562 tons	2,006 tons
Other Rubble and Soil Recycling <sup>(5)</sup>	402 tons	17,917 tons	0 ton	0 ton
Ash Recycling (Old Dominion LF) <sup>(6)</sup>	11,351 tons	115,239 tons	10,241 tons	12,140 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	Mar FY15	FY15 YTD	Mar FY14	Mar FY13
Materials Recovery Facility <sup>(1)</sup>	6,148 tons	54,974 tons	5,387 tons	5,546 tons
Brunswick Landfill Facility <sup>(2)</sup>	0 ton	0 ton	0 ton	0 ton
Resource Recovery Facility <sup>(3)</sup>	43,947 tons	432,441 tons	46,749 tons	40,653 tons
Yard Trim Compost Facility	1,201 tons	49,927 tons	1,277 tons	1,795 tons
Honeygo Run Reclamation <sup>(4)</sup>	132 tons	4,604 tons	1,002 tons	2,634 tons
Other Rubble and Soil Recycling <sup>(5)</sup>	981 tons	18,898 tons	0 ton	0 ton
Ash Recycling (Old Dominion LF) <sup>(6)</sup>	10,856 tons	126,095 tons	12,630 tons	12,253 tons

*(1) MRF tons reported as outgoing.*

*(2) Refers to waste sent to the landfill for disposal (ash residue and non-processible 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.*

During January, February and March program staff:

- Researched properties and entered billing changes into the database;
- Prepared monthly house counts for collection contractors;
- Processed vacancy refunds payable in January, February and March;
- 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 January, February and March 2014 totaling \$3,098,547.92 (a decrease of \$292,538.22 below the same quarter in 2014);
- Updated the Aging Report (30-day average arrearage was less than \$15,000 per month for the quarter);
- Reconciled January, February and March 2014 tons to monies posted in ERP, as well as to the total dollars charged in Paradigm; and
- Submitted the FY16 budget to the CE for his review and recommendation.

## **CITIZEN COMMITTEES**

**Dickerson Area Facilities Implementation Group (DAFIG)** – DAFIG met on Tuesday, March 10, 2015. Topics discussed included the following: Oil Spill Plans for tenant farmers, Dickerson Stream Study, 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, June 9, 2015.

### **Solid Waste Advisory Committee (SWAC)**

January – Meeting cancelled due to inclement weather.

February – MCPS presented their bi-annual report on recycling.

March – DSWS Section Chiefs presented their annual budget submissions to the County Executive.

## **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.

January 2015	53
January 2014	39
Difference	+14

February 2015	29
February 2014	23
Difference	+6

March 2015	45
March 2014	24
Difference	+21

## **Resident Service Requests:**

### *January 2015*

22 gallon bin pick-up	488
22 gallon bin request	1,655
Bulk trash requests	1,278
Cart pick-up	11
Cart repair	305
65 gallon cart	246
35 gallon cart	7
Field check	193
Literature	69
Property damage/missing	19
Same day	161
Scrap Metal request	730

### *February 2015*

22 gallon bin pick-up	459
22 gallon bin request	1,732
Bulk trash requests	1,042
Cart pick-up	14
Cart repair	290
65 gallon cart	204
35 gallon cart	6
Field check	198
Literature	55
Property damage/missing	17
Same day	98
Scrap Metal request	596

### *March 2015*

22 gallon bin pick-up	599
22 gallon bin request	1,768
Bulk trash requests	1,669
Cart pick-up	18
Cart repair	336
65 gallon cart	177
35 gallon cart	8
Field check	211
Literature	111
Property damage/missing	28
Same day	121
Scrap Metal request	1,156

## **Outreach:**

### Survey Cards:

The Public Service Workers distributed survey cards while performing recycling container delivery/pick-ups or repairs. Figures in tables are percentages.

In **January**, 964 cards were dropped off with a return rate of 12%.

	Excellent	Good	Average	Fair	Poor
Recycling Programs	93%	6%	1%	0%	0%
County Staff	75%	17%	8%	0%	0%
Recycling Crews	84%	14%	0%	2%	0%

In **February**, 920 cards were dropped off with a return rate of 8%.

	Excellent	Good	Average	Fair	Poor
Container Delivery	93%	7%	0%	0%	0%
Collection Services	82%	14%	0%	0%	4%
DSWS Staff	89%	11%	0%	0%	0%

We began distributing a revised survey card in **March**. 1,012 cards were dropped off with a return rate of 11%.

	Excellent	Good	Average	Fair	Poor
Service Request Fulfillment	94%	5%	1%	0%	0%
County Provided Collection Services	66%	29%	4%	0%	1%

## **Collection Section Enforcement Actions:**

### *January:*

- Citations: No citations were issued.
- Notices of Violation: Three (3) Notices of Violation were issued:
  - 48-24(c) Failure to store solid waste in a vermin proof and water proof container equipped with a tight fitting lid.
  - 48-24(c) Failure to store solid waste in a vermin proof and water proof container equipped with a tight fitting lid.
  - 48-24(c) Failure to store solid waste in a vermin proof and water proof container equipped with a tight fitting lid.

*February:*

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

*March:*

- Citations: No citations were issued.
- Notices of Violation: One (1) Notice of violation was issued.
  - 48-11 Depositing Solid Waste upon a public highway.

**Website:**

Solid Waste Services Website

<b>Metric</b>	<b>January 2015</b>	<b>February 2015</b>	<b>March 2015</b>
Unique Visitors	60,874	53,910	48,204
Page Loads	157,898	143,573	147,693

Email List Memberships

<b>Topic</b>	<b>Subscribers (new this month)</b>		
	<b>January 2015</b>	<b>February 2015</b>	<b>March 2015</b>
Holiday Reminder	27,044 (255)	27,153 (223)	27,091 (122)
Holiday Reminder (by route)	479 (413)	1,689 (1,216)	2,369 (684)
HHW Announcements	12,504 (140)	12,581 (134)	12,655 (134)
Facility Updates	6,813 (86)	6,877 (103)	6,923 (83)
Electronics recycling	10,298 (160)	10,405 (155)	10,487 (142)
Go Green	4,770 (73)	4,807 (63)	4,846 (72)
Civic Loop	4,395 (26)	4,394 (23)	4,389 (18)
SORRT Newsletter	3,635 (25)	3,640 (18)	3,625 (17)
TRRAC	2,152 (21)	2,148 (16)	2,153 (15)
Quarterly Report	2,700 (38)	2,726 (39)	2,729 (25)
Paper Shredding Events	7,987 (245)	8,151 (187)	8,356 (250)
Recycling Volunteers	179 (0)	179 (0)	179 (0)
<b>Total Subscriptions</b>	<b>82,956 (1,482)</b>	<b>83,061 (961)</b>	<b>85,802 (1,562)</b>



Most Popular Web Pages

January 2015	February 2015	March 2015
1. Holidays	DSWS home page	DSWS home page
2. DSWS home page	Holidays	Drop off hours and events
3. Drop off hours and events	Recycling, Trash, and Yard Trim Programs - home	Recycling, Trash, and Yard Trim Programs - home
4. Recycling, Trash, and Yard Trim Programs - home	Drop off hours and events	How do I...
5. How do I...	Collection Day Lookup	Web Store – home page
6. Christmas trees	How do I...	Collection Day Lookup
7. Collection Day Lookup	Web Store – home page	Transfer Station – home page
8. Transfer Station – home page	Web Store – Single-family recycling containers	Bulk trash
9. Web Store – home page	Transfer Station – home page	Web Store – Single-family recycling containers
10. Web Store – Single-family Recycling containers	Bulk trash	Holidays

**WASTE MINIMIZATION**

Product Recycled	Jan 2015	FY15 YTD	Jan FY14	Jan FY13
TV's and PC's	165 tons	1,177 tons	129 tons	170 tons
Propane Tanks	0 ton	13 tons	1 ton	2 tons
Textiles	11 tons	74 tons	10 tons	9 tons
Construction Materials (Don't Dump – Donate)	0 ton	6 tons	1 ton	1 ton
Vehicle Batteries	4tons	53 tons	3 tons	6 tons
Scrap Metal	290 tons	2,844 tons	284 tons	352 tons

Product Recycled	Feb 2015	FY15 YTD	Feb FY14	Feb FY13
TV's and PC's	119 tons	1,296 tons	116 tons	143 tons
Propane Tanks	2 tons	15 tons	0 ton	0 ton
Textiles	7 tons	81 tons	6 tons	12 tons
Construction Materials (Don't Dump – Donate)	1 ton	7 tons	0 ton	0 ton
Vehicle Batteries	6 tons	59 tons	5 tons	6 tons
Scrap Metal	261 tons	3,105 tons	287 tons	244 tons

Product Recycled	Mar 2015	FY15 YTD	Mar FY14	Mar FY13
TV's and PC's	152 tons	1,448 tons	107 tons	125 tons
Propane Tanks	1 ton	16 tons	3 tons	3 tons
Textiles	10 tons	91 tons	13 tons	11 tons
Construction Materials (Don't Dump – Donate)	1 ton	8 tons	2 tons	3 tons
Vehicle Batteries	8 tons	67 tons	6 tons	7 tons
Scrap Metal	332 tons	3,437 tons	337 tons	310 tons

## **HAZARDOUS WASTE PROGRAMS**

**Household Hazardous Waste (HW) Collection** – There were a total of 17,972 patrons to the program in the third fiscal quarter (January, February, March). During normal business hours we had 17,241 patrons; after 5:00 p.m., we had 731 patrons.

**Small Quantity Generator/ECOWISE Program** – There were 67 ECOWISE participants in the third quarter that discarded 4.71 tons of business related hazardous materials during the quarter.

## **WASTE REDUCTION**

**Bicycle Recycling** – “Bikes for the World” removed .14 tons of bikes in the third fiscal quarter for restoration and shipment to countries worldwide.

**Paint Reduction** – The free paint giveaway program did not operate during the third fiscal quarter due to the seasonal closing of the County’s paint giveaway although 945 gallons of paint was solidified. As a result of freezing conditions, 0 gallons of paint were given to Montgomery County residents. No other paint was donated to non-profit organizations as there were no requests for paint donations due to the weather.

**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 third 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.

**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 January was 3.43 inches; February 1.78 inches and March 3.92 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 January, February and March 2015, reaching an estimated total audience of 504 people. The multi-media educational awareness campaign on the County’s goal to reduce waste and recycle 70 percent by 2020 continued through the end of January. DSWS staff was interviewed live on ‘Montgomery Mosaics’ radio programming on March 25. Staff reminded listeners about the County’s 70% recycling goal, and discussed information about waste reduction, recycling, grasscycling and composting. An additional public affairs interview is expected to be scheduled in the spring. Several revised outreach and educational

materials were printed and delivered and are now available for distribution at all upcoming outreach and educational events this spring and summer. Staff is in the process of creating a series of informational print notifications that highlight specific opportunities for residents to minimize or reduce the amount of waste generated. April 22<sup>nd</sup> is the 35<sup>th</sup> anniversary of the first Earth Day celebrated in 1970. DSWS staff and recycling program volunteers are scheduled to participate in 58 events throughout the month of April and will provide information on waste reduction, reuse, recycling, grasscycling, composting and buying recycled to businesses and residents throughout the County. Fourteen (14) of these events are scheduled on Earth Day, April 22<sup>nd</sup>. Planning is also underway for events that are part of the 2015 Montgomery County Recycling Awareness Week which is scheduled for May 18-22, 2015. The weeklong series of events include educational recycling assemblies at 12 local schools to motivate students and staff to reduce, reuse and recycle, both at school and at home. In addition, a total of 50 businesses and employees, 20 multi-family properties, property staff and residents, and 10 County residents and community partners will be recognized for their contributions to minimizing waste and increasing recycling or composting efforts. Recognition will also be provided to students who entered the Division's school recycling poster contest.

**On-Site Composting and Waste Reduction Activities** – A total of 523 backyard compost bins were distributed between January 1, 2015 and March 31, 2015 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 require processing by the county. Staff and recycling program volunteers distributed compost bins during five (5) events this quarter which included the following: Master Gardener Compost Training, Master Gardener Spring Conference, Montgomery County Home Show and Expo, Montgomery Village Home Show, and the Montgomery County Green Fest. Staff continues to schedule additional composting demonstration workshops for the spring. DSWS staff also hosted a spring compost bin pick-up event for County residents on Saturday, March 21 at the Sidney Kramer Upcounty Regional Services Center in Germantown and distributed 76 compost bins to 73 residents. Staff contacted all 19 compost bin distribution sites to ensure that each site has an ample supply of compost bins for residents to pick up in preparation for the start of the spring growing season. During this quarter, staff followed-up on seven (7) requests for educational materials and information pertaining to grasscycling and composting.

**Recycling Investigations Unit** – Since the unit was established in 2005, 61,616 site visits and 6,009 formal investigations have been conducted. For the period from January 1, 2015 through March 31, 2015, 227 NOVs were issued to businesses and multi-family properties for infringements against the recycling regulations and Chapter 48. A total of 25 citations were issued to businesses and recycling/refuse collection companies for the following reasons: thirteen (13) citations to businesses for failure to recycle required recyclable materials; three (3) 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; three (3) citations to businesses for failure to provide and maintain

an approved container for the storage of solid waste; three (3) citations to multi-family properties for failure to file their annual recycling and waste reduction report; one (1) citation to a large businesses (250 or more employees) for failure to file their annual recycling and waste reduction report; 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. One (1) abatement order was requested for a business as a result of continued violations of the recycling regulations for not recycling the required recyclable materials.

**Commercial Recycling and Waste Reduction** – Staff of the SORRT Program conducted 1,843 site visits to businesses from January 1 through March 31, 2015. During this same period, staff resolved seven (7) complaints, participated in 15 educational events reaching 325 people, distributed 1,520 desk-side (7-gallon) recycling bins and 103 slim jim (23-gallon) recycling containers to businesses to help set-up and/or improve existing recycling programs. Staff also responded to 154 requests for information ranging from educational materials to presentations for property managers, tenants, and employees. DSWS requested 615 businesses to file an Annual Business Recycling and Waste Reduction Report covering their recycling and solid waste activities for calendar year 2014. Of the 615 businesses required to submit a report, 8 large businesses and a total of 120 medium and small-sized businesses and property owners of multi-tenant facilities missed the filing deadlines. These businesses were forwarded to the Recycling Investigations Unit for enforcement action. The SORRT Program held two webinars (January 15 and February 19) to provide guidance to businesses filing their annual recycling reports on-line. A total of 47 people, including business managers, owners, employees, property owners and managers representing numerous types of businesses, logged on to view and participate in the webinars. The SORRT Program held two business recycling seminars (January 29 and March 26, 2015). The first seminar provided business owners, managers, employees and property management staff with information on the County's recycling and solid waste regulations, roles and responsibilities, and how to set up a successful recycling program. The second seminar provided information on how to set up food scrap recycling programs at their workplace. A total of 52 people attended both seminars. On February 10<sup>th</sup>, 12 members of the Recycling Oversight Committee members participated in an on-line webinar. The next Recycling Oversight Committee meeting will be held on June 23.

**Multi-Family Recycling and Waste Reduction** – Between January 1, 2015 and March 31, 2015, TRRAC Program staff conducted 798 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 10 multi-family property educational events, reaching 195 people. These events included community recycling displays and several resident recycling presentations, staff trainings, resident board meetings, and lobby events. Staff also responded to 60 requests for information; distributed 2,770 baby blue (6-gallon) multi-family recycling bins, 30 slim jim (23-gallon) recycling containers, 84

WasteWatcher XL (32-gallon) recycling containers, 43 Brute (44-gallon) recycling containers, and 4 Glutton (55-gallon) recycling containers to multi-family properties to increase available recycling capacity; and resolved sixteen (16) complaints. A postcard reminder was sent to 750 property managers and property management companies (representing 666 multi-family properties) notifying them of the February 1 Multi-Family Annual Recycling and Waste Reduction Reports reporting deadline. The TRRAC Program conducted a second webinar on January 14, 2015, to educate multi-family property managers about the on-line annual recycling report system. A total of fourteen (14) property managers participated in the webinar. DSWS received a total of 668 Annual Multi-Family Recycling and Waste Reduction Reports covering calendar year 2014 recycling and solid waste activities. All outstanding reports have been submitted and TRRAC Education Specialists are in the process of field verifying the annual reports. The updated TRRAC Property Manager's Guide was printed and is being distributed to multi-family property managers. TRRAC staff hosted a Multi-Family Recycling and Waste Reduction Seminar on March 12, 2015, at the Ana G. Mendez University in Wheaton. The seminar was attended by 18 multi-family property managers and staff and included a presentation by Thomas Doody, Property Manager of Brookside Apartments.

**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 28 Recycling Program Volunteers, some of them participating in multiple events, contributed just over 119 hours of their time to support recycling activities from January 1, 2015 through March 31, 2015. One (1) volunteer provided more than 38 hours of office assistance which included filing and counting and bundling of educational materials for distribution at outreach events. During this quarter, twenty-seven (27) volunteers participated in nine community outreach events and contributed 81 hours of direct service providing recycling outreach and education to 729 people, including the annual Martin Luther King, Jr. Day of Service. One (1) Neighborhood Block Captain Volunteer provided recycling updates and information to 288 of their neighbors. Volunteer recruitment and training efforts continued during this quarter with DSWS attending two volunteer fairs in February and providing information about recycling volunteer opportunities to 86 prospects. Three (3) volunteer orientation and training sessions were held during this quarter. A total of eighteen (18) new volunteers and one (1) existing volunteer attended and received information about the County's various recycling and solid waste programs. The next recycling volunteer orientation and training session is scheduled for Saturday, April 25, 2015. As of March 31, 2015 there are 277 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 – February 28, 2015) in which pre-consumer food scraps are separated for recycling collection, a total of 60.8 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 127,182 tons for the quarter, or an average of 1,413 tons per day. During this time 23 tours of the plant were given. The plant exported 65,437,000 kilowatt-hours to the power grid. About 2,325 tons of ferrous material was recovered from the ash and recycled. During the quarter unit #1 ran well and only came down to allow cleaning in the economizer section late in the quarter. Unit #2 came down at various times for repairs to superheater tubes, economizer header connections, and an ash discharger. During repairs to the superheater tubes, other tubes were worked on to prevent possible future leaks. Unit #3 came down early in the quarter to clean the economizer section. It later came down to repair tube leaks in the furnace on two occasions. During the second time, other tubes in the superheater section were worked on to prevent possible future leaks. Late in the quarter the unit was taken offline for its scheduled major outage. During the outage economizer tube connections to the header were replaced with a new configuration, all filter bags were replaced in the baghouses, 700 square feet of inconel protection was coated over furnace tubes to prevent future leaks, and an 8 foot band of the scrubber vessel wall was replaced.

**Materials Recovery Facility (MRF)** – During the third quarter the following items were addressed: nine conveyor belts were replaced due to age and the increase of material operating hours, head pulleys, bearings, and V-belts were replaced on six conveyors, and a feed/tension motor was replaced on one of the shuttle conveyors. The sprockets, rollers, head pulleys, tail pulleys, and tail guards were replaced on three conveyors; one gearbox was replaced on the steel conveyor; holes attributable to wear on the sides and bottoms of material chutes were repaired; one additional chute slide was repaired to address the transition from Chute 4 to chute 5; and three additional belts were tracked and had their lacings replaced.

**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. A second groundwater sampling event was conducted in February 2015, and SCS Engineers is currently analyzing the groundwater data to determine whether the groundwater is still being affected by gas migration. In November 2014, SCS performed the 1<sup>st</sup> 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. In March 2015, the annual greenhouse gases report was submitted to EPA for the power plant and flares. Also in March 2015, the annual emission report was submitted to MDE for the power plant and flares. DEP completed the quarterly gas monitoring report in March and no exceedances were noted.

The expanded oil and grit receiving area is functioning smoothly. The quarterly Periodic Compliance Report was submitted in a timely manner to WSSC.

In March 2015 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.

On March 3, 2015, DEP personnel met with MDE to discuss the review of the Assessment of Corrective Measures (ACM) Report submitted to MDE on January 31, 2014. As a result of this discussion, DEP has changed the groundwater sampling protocol to use low flow sampling to reduce turbidity in samples. From March 16, 2015 through March 27, 2015, DEP collected groundwater samples as part of semiannual sampling event using the low flow sampling technique.

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 exceedances 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.

The annual greenhouse gas report for the power plant and flares was electronically submitted to EPA in March 2015. The annual emission report was also submitted in March 2015, to MDE.

GLCC meeting was conducted on March 12, 2015, to brief the community about the MDE review of the ACM report. 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 two most recent quarterly monitoring data events (November 2014 and February 2015) 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 117,119 tons of processible waste via rail from the Transfer Station for the third quarter of FY15 compared to 111,226 for the same period last year.

The inbound radiation detectors had 36 total alarms this quarter—34 alarms by vehicles whose loads were identified as containing low levels of medical isotopes with short half-lives in trash; one (1) alarm was from a driver who had undergone recent medical tests and one (1) false alarm.

The Public Unloading Facility radiation detectors had eight (8) 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 402 enforcement actions were issued during the reporting period. The enforcement composition breakdown includes:

<b>Code Section</b>	<b>Description</b>	<b>Verbal</b>	<b>NOV</b>	<b>Citation</b>	<b>TOTAL</b>
48-05(3)(d)	<i>Delivery of solid waste acceptable for recycling</i>	67	13	54	134
48-10	<i>Deposit at other than approved place prohibited</i>	0	0	1	1
48-19(a)(1)	<i>Transporting Solid Waste without a valid Collectors/Hauler tag</i>	4	4	15	23
48-19(2)(a)	<i>Improper or no tarps on resident vehicle</i>	136	6	2	144
48-19(a)(2)b	<i>Transporting solid waste without a canvas or tarp covering the load tightly Commercial</i>	27	4	13	44
48-19(a)(3)	<i>Person cannot engage in business of collecting or transporting solid waste without obtaining a license</i>	1	0	3	4
48-20(a)	<i>Un-permitted Vehicle of a Licensed Company</i>	2	8	17	27
48-20(d)	<i>Unsafe Vehicle</i>	0	1	1	2
48-22	<i>Permit required for transporting trash from out of State into County</i>	0	0	1	1
48-48(a)	<i>Failing to dispose of Solid Waste Acceptance for Recycling. (Generators)</i>	0	1	21	22
	<b>TOTALS</b>	<b>237</b>	<b>37</b>	<b>128</b>	<b>402</b>

**Site 2 Landfill Properties** – Solid Waste Services received a new Letter of Authority to continue harvesting deer under its deer management program. DGS Real Estate Office put out a Real Estate Expression of Interest (REOI) to find tenants to farm various Site 2 properties. Proposals were received and are being evaluated. DGS is in talks with its vendor to propose a price for repairing numerous windows at the Chiswell house.

**Yard Trim Compost Facility** – The facility received 4,995 tons of material for composting this quarter; this compares with 3,717 tons of materials received during the same period last year. No material was diverted to back-up composting facilities this quarter. There were 5,241 cubic yards of bulk LeafGro™ shipped this quarter; compared with 5,862 cubic yards for the same period last year.

**Bagging Operation** – 147,400 bags of LeafGro™ were shipped to distributors this quarter. This compares with 120,750 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 third quarter of FY15, approximately 35,494 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 1,914 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 third quarter of FY15.

**DOT Pad Recycling** – Since July 2014, Covanta has been operating the DOT pad for construction and demolition recycling and including a soil screening operation. In this quarter, 2,220 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	<a href="http://www.montgomerycountymd.gov/solidwaste">www.montgomerycountymd.gov/solidwaste</a> <a href="http://www.montgomerycountymd.gov/recycling">www.montgomerycountymd.gov/recycling</a> <a href="http://www.montgomerycountymd.gov/hazardouswaste">www.montgomerycountymd.gov/hazardouswaste</a> <a href="http://www.montgomerycountymd.gov/useitagain">www.montgomerycountymd.gov/useitagain</a> <a href="http://www.montgomerycountymd.gov/yardtrim">www.montgomerycountymd.gov/yardtrim</a> <a href="http://www.montgomerycountymd.gov/veggieoil">www.montgomerycountymd.gov/veggieoil</a>

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

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Division of Solid Waste Services  
101 Monroe Street, 6th Floor  
Rockville, MD 20850  
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Email: [serena.bell@montgomerycountymd.gov](mailto: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	91,454
# Residences receiving collection of recyclables in blue bins and yard trim collection	214,487
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
NOV	Notice of Violation
PVM	Passive Venting Monitoring
ROC	Recycling Oversight Committee
REOI	Real Estate Expression of Interest
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
WVO	Waste Vegetable Oil
YTD	Year-To-Date