



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



DIVISION OF SOLID WASTE SERVICES

QUARTERLY REPORT

APRIL, MAY AND JUNE 2015
(4th Quarter of FY15)



**DEP's Recycling Achievement Recognition Ceremony
May 20, 2015**

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 April, May, and June including the fiscal year to date (FY YTD), and the same calendar month in the two 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	Apr FY15	FY15 YTD	Apr FY14	Apr FY13
Materials Recovery Facility ⁽¹⁾	6,234 tons	61,208 tons	6,147 tons	6,035 tons
Brunswick Landfill Facility ⁽²⁾	0 ton	0 ton	0 ton	0 ton
Resource Recovery Facility ⁽³⁾	51,585 tons	484,026 tons	50,680 tons	42,680 tons
Yard Trim Compost Facility	6,029 tons	55,956 tons	6,671 tons	5,530 tons
Honeygo Run Reclamation ⁽⁴⁾	334 tons	4,938 tons	4,002 tons	6,116 tons
Other Rubble and Soil Recycling ⁽⁵⁾	4,093 tons	22,991 tons	0 ton	0 ton
Ash Recycling (Old Dominion LF) ⁽⁶⁾	15,738 tons	141,833 tons	14,347 tons	11,140 tons

FACILITY	May FY15	FY15 YTD	May FY14	May FY13
Materials Recovery Facility ⁽¹⁾	5,905 tons	67,113 tons	6,225 tons	6,507 tons
Brunswick Landfill Facility ⁽²⁾	0 ton	0 ton	0 ton	0 ton
Resource Recovery Facility ⁽³⁾	49,369 tons	533,395 tons	54,026 tons	48,695 tons
Yard Trim Compost Facility	6,492 tons	62,448 tons	6,433 tons	6,114 tons
Honeygo Run Reclamation ⁽⁴⁾	1,738 tons	6,676 tons	5,065 tons	4,669 tons
Other Rubble and Soil Recycling ⁽⁵⁾	3,417 tons	26,408 tons	0 ton	0 ton
Ash Recycling (Old Dominion LF) ⁽⁶⁾	14,016 tons	155,849 tons	15,441 tons	13,745 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	Jun FY15	FY15 YTD	Jun FY14	Jun FY13
Materials Recovery Facility ⁽¹⁾	6,481 tons	73,594 tons	6,087 tons	6,063 tons
Brunswick Landfill Facility ⁽²⁾	0 ton	0 ton	0 ton	0 ton
Resource Recovery Facility ⁽³⁾	60,984 tons	594,379 tons	52,665 tons	51,714 tons
Yard Trim Compost Facility	5,023 tons	67,471 tons	5,754 tons	5,792 tons
Honeygo Run Reclamation ⁽⁴⁾	546 tons	7,222 tons	3,820 tons	4,592 tons
Other Rubble and Soil Recycling ⁽⁵⁾	5,338 tons	31,746 tons	0 ton	0 ton
Ash Recycling (Old Dominion LF) ⁽⁶⁾	17,108 tons	172,957 tons	14,473 tons	13,392 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 April, May and June program staff:

- Researched properties and entered billing changes into the database;
- Prepared monthly house counts for collection contractors;
- Processed vacancy refunds payable in April, May and June;
- 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 April, May and June 2015 totaling \$3,750,749.28 (a decrease of \$42,320.78 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 April, May and June 2015 tons to monies posted in ERP, as well as to the total dollars charged in Paradigm;
- Submitted the FY16 budget to County Council 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, June 9, 2015. Topics discussed included the following: “Draft Non-Air Environmental Media Monitoring Report”, Dickerson Stream Study, Site 2 leases, DEP Complaint Report, SWAC and Facilities Update. There was no quorum. The next quarterly DAFIG meeting will be held on Tuesday, September 15, 2015.

Solid Waste Advisory Committee (SWAC)

April – Meeting cancelled.

May – Meeting cancelled.

June – Robin Ennis, Chief of Collections, DSWS presented an overview of the refuse and recycling collection systems in Subdistricts A and B. The County provides 100 percent of the single family recycling collection in the two subdistricts, and 43 percent of the refuse collection. Committee voted to convene the Recycling Sub-committee to examine the recycling participation rates among single family homes to determine if recommendations could be made to help the County achieve it’s 70 percent recycling goal by 2020. Planning Sub-committee met to develop a draft of the 2015 and 2016 meeting calendars.

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.

April 2015	57
April 2014	39
Difference	+18

May 2015	63
May 2014	58
Difference	+5

June 2015	83
June 2014	77
Difference	+6

Resident Service Requests:

April 2015

22 gallon bin pick-up	635
22 gallon bin request	1,890
Bulk trash requests	2,226
Cart pick-up	22
Cart repair	355
65 gallon cart	252
35 gallon cart	4
Field check	237
Literature	228
Property damage/missing	25
Same day	212
Scrap Metal request	1,842

May 2015

22 gallon bin pick-up	679
22 gallon bin request	1,844
Bulk trash requests	2,379
Cart pick-up	29
Cart repair	337
65 gallon cart	226
35 gallon cart	6
Field check	246
Literature	281
Property damage/missing	18
Same day	238
Scrap Metal request	2,080

June 2015

22 gallon bin pick-up	564
22 gallon bin request	1,577
Bulk trash requests	2,521
Cart pick-up	23
Cart repair	312
65 gallon cart	219
35 gallon cart	1
Field check	258
Literature	254
Property damage/missing	17
Same day	241
Scrap Metal request	1,968

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 **April**, 853 cards were dropped off with a return rate of 13%.

	Excellent	Good	Average	Fair	Poor
Service Request Fulfillment	96%	2%	1%	1%	0%
Service Request Fulfillment	79%	16%	5%	0%	0%

In **May**, 1,139 cards were dropped off with a return rate of 8%.

	Excellent	Good	Average	Fair	Poor
Service Request Fulfillment	88%	8%	0%	3%	1%
Service Request Fulfillment	74%	22%	2%	0%	2%

In **June**, 1,275 cards were dropped off with a return rate of 9%.

	Excellent	Good	Average	Fair	Poor
Service Request Fulfillment	90%	6%	2%	0%	2%
County Provided Collection Services	83%	15%	1%	1%	0%

Collection Section Enforcement Actions:

April:

- Citations: No citations were issued.
- Notices of Violation: None were issued.

May:

- Citations: Three (3) Citations were issued.
 - Collecting without a valid collector's tag/sticker 48-20-a.
 - Collecting without a valid collector's tag/sticker 48-20-a.
 - Collecting without a valid collector's tag/sticker 48-20-a.

- Notices of Violation: Two (2) Notices of violation were issued.
 - Collect and/or transport solid waste within the county without a valid collector's tag attached to the vehicle 48-10-a.
 - Collect and/or transport solid waste within the county without a valid collector's tag attached to the vehicle 48-10-a.

June:

- Citations: Two (2) Citations were issued.
 - Collect and/or transport solid waste within the county without a valid collector's tag attached to the vehicle 48-20-a.
 - Did collect solid waste before 7:00 a.m. less than 500 feet from an occupied residential structure 48-21-b.

- Notices of Violation: Two (2) Notices of violation were issued.
 - Collect and/or transport solid waste within the county without a valid collector's tag attached to the vehicle 48-20-a.
 - Transport solid waste without a tarpaulin or canvas covering the load 19-a(1)2(a).

Website:

Solid Waste Services Website

Metric	April 2015	May 2015	June 2015
Unique Visitors	41,135	49,888	41,153
Page Loads	135,658	147,441	130,578

Email List Memberships

Topic	Subscribers (new this month)		
	April 2015	May 2015	June 2015
Holiday Reminder	27,073 (1)	27,031 (1)	26,880 (0)
Holiday Reminder (by route)	2,471 (104)	2,630 (163)	2,749 (127)
HHW Announcements	12,703 (54)	12,767 (89)	12,799 (96)
Facility Updates	6,957 (38)	7,014 (71)	7,031 (60)
Electronics recycling	10,533 (53)	10,619 (106)	10,666 (99)
Go Green	4,878 (36)	4,937 (72)	4,965 (59)
Civic Loop	4,392 (5)	4,391 (8)	4,370 (14)
SORRT Newsletter	3,630 (6)	3,634 (9)	3,625 (21)
TRRAC	2,157 (5)	2,160 (8)	2,156 (14)
Quarterly Report	2,732 (5)	2,732 (12)	2,727 (13)
Paper Shredding Events	8,378 (36)	8,418 (56)	8,472 (124)
Recycling Volunteers	179 (0)	346 (167)	346 (1)
Total Subscriptions	88,083 (343)	86,679 (762)	85,802 (1,562)

Most Popular Web Pages

April 2015	May 2015	June 2015
1. Drop-off hours and events	Drop-off hours and events	Drop-off hours and events
2. How do I...	DSWS home page	DSWS home page
3. DSWS home page	Holidays	Transfer Station – home page
4. Recycling, Trash, and Yard Trim Programs - home	Transfer Station – home page	How do I...
5. Transfer Station – home page	How do I...	Bulk trash
6. Web Store – home page	Recycling, Trash, and Yard Trim Programs – home	Recycling, Trash, and Yard Trim programs – home
7. Bulk trash	Bulk trash	Web Store – home page
8. Web Store – Single-family recycling containers	Web Store – home page	Web Store – Single-family recycling containers
9. Holidays	Web Store – Single-family recycling containers	Scrap metal pickups
10. Solid Waste Facilities - home	Scrap metal pickups	Solid Waste Facilities – home

WASTE MINIMIZATION

Product Recycled	Apr 2015	FY15 YTD	Apr FY14	Apr FY13
TV's and PC's	119 tons	1,567 tons	172 tons	159 tons
Propane Tanks	2 tons	18 tons	0 ton	0 ton
Textiles	10 tons	101 tons	11 tons	19 tons
Construction Materials (Don't Dump – Donate)	0 ton	8 tons	2 tons	3 tons
Vehicle Batteries	10 tons	77 tons	8 tons	11 tons
Scrap Metal	486 tons	3,923 tons	396 tons	401 tons

Product Recycled	May 2015	FY15 YTD	May FY14	May FY13
TV's and PC's	142 tons	1,709 tons	141 tons	151 tons
Propane Tanks	2 tons	20 tons	2 tons	5 tons
Textiles	12 tons	113 tons	13 tons	14 tons
Construction Materials (Don't Dump – Donate)	1 ton	9 tons	0 ton	2 tons
Vehicle Batteries	7 tons	84 tons	8 tons	8 tons
Scrap Metal	544 tons	4,467 tons	570 tons	495 tons

Product Recycled	Jun 2015	FY15 YTD	Jun FY14	Jun FY13
TV's and PC's	203 tons	1,912 tons	172 tons	197 tons
Propane Tanks	6 tons	26 tons	0 ton	2 tons
Textiles	13 tons	126 tons	11 tons	14 tons
Construction Materials (Don't Dump – Donate)	3 tons	12 tons	2 tons	2 tons
Vehicle Batteries	14 tons	98 tons	7 tons	9 tons
Scrap Metal	574 tons	5,041 tons	535 tons	437 tons

HAZARDOUS WASTE PROGRAMS

Household Hazardous Waste (HHW) Collection – There were a total of 24,538 patrons in the program in the fourth fiscal quarter (April, May, June). During normal business hours we had 23,622 patrons; after 5:00 p.m., we had 916 patrons.

Small Quantity Generator/ECOWISE Program – There were 81 ECOWISE participants in the fourth quarter that discarded 6.93 tons of business related hazardous materials during the quarter.

WASTE REDUCTION

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

Paint Reduction – The free paint giveaway program through the County paint store reuse program resulted in 334 gallons of latex paint being given to County residents, and 92.78 tons of latex paint given to nonprofit organizations. Paint that does not have the ability to be reused or donated is solidified and further processed which resulted in 8,085 gallons of paint be processed for proper disposal.

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 fourth quarter, 12 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 April was 2.87 inches; May 1.08 inches and June 7.44 inches.

WASTE REDUCTION AND RECYCLING

Public Education and Outreach – DSWS staff and Recycling Program Volunteers participated in 36 community education and outreach events and activities during April, May and June 2015, reaching an estimated total audience of 5,017 people. DSWS staff was interviewed on the public affairs programming for iHeart Media, Inc. (Hot 99.5FM, DC101, WMZQ 98.7FM, WRQX 107.3FM, WASH 97.1FM, and BIG 100.3FM). Staff reminded listeners about the County's goal to reduce waste and recycle 70 percent by 2020 and updated listeners on the types of materials acceptable for recycling, composting and grasscycling, as well as waste reduction tips. April 22nd was the 35th anniversary of the first Earth Day celebrated in 1970. DSWS staff and recycling program volunteers participated in 58 events throughout the month of April and provided information on

waste reduction, reuse, recycling, grasscycling, composting and buying recycled to businesses and residents throughout the County. DSWS coordinated a weeklong series of events (May 18-22) for the 16th Annual Montgomery County Recycling Awareness Week. These events included 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 ten County residents and community partners were recognized for their contributions to minimizing waste and increasing recycling or composting efforts. Recognition was also provided to students who participated in the Division's school recycling poster contest. Staff interacted with 1,611 people during the course of Recycling Awareness Week. DSWS coordinated the NBC4 Community Paper Shredding/Recycling Event with NBC4, Shred-It, Allstate and Montgomery College on Saturday, June 20 at Montgomery College Rockville – Parking Lot #13. A record turnout of 3,308 vehicles came to the event. A total of 84,000 pounds of confidential paper was shredded and recycled and 9,560 pounds of cardboard was collected for recycling. A postcard self-mailer to educate and remind residents of single-family homes about the types of materials that must be recycled was produced and will be sent to all single-family households receiving County-provided recycling collection services in mid-July.

On-Site Composting and Waste Reduction Activities – A total of 677 backyard compost bins were distributed between April 1, 2015 and June 20, 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 six events this quarter which included the following: GEICO Earth Day; Master Gardener Grow It! Eat It! Event; Damascus Library composting workshop; Greater Goshen Civic Association; and during environmental panel discussions at the Aspen Hill and Germantown libraries. Staff continues to schedule additional composting demonstration workshops for the spring. 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 ten requests for educational materials and information pertaining to grasscycling and composting.

Recycling Investigations Unit – Since the unit was established in 2005, 63,246 site visits and 6,173 formal investigations have been conducted. For the period from April 1, 2015 through June 30, 2015, 157 NOVs were issued to businesses and multi-family properties for infringements against the recycling regulations and Chapter 48. A total of 30 citations were issued to businesses, multi-family properties and recycling/refuse collection companies for the following reasons: 20 citations issued to businesses for failure to recycle required recyclable materials; two citations to multi-family properties for failure to provide containers for required recyclable materials; three citations to businesses for failure to file an annual recycling and waste reduction report; one citation to a business for failure to provide recycling collection service and storage space for recyclable materials to their tenants; two citations issued to businesses and one citation to a multi-

family property for not maintaining the premises by permitting solid waste to be stored outside of approved containers; and one citation to a collector for failure to collect and deliver to a recycling facility recyclable materials that have been source separated from the solid waste stream.

Commercial Recycling and Waste Reduction – Staff of the SORRT Program conducted 2,209 site visits to businesses between April 1, 2015 and June 30, 2015. During this same period, staff resolved seven complaints, participated in 66 educational events reaching 5,874 people, distributed 849 desk-side recycling bins and 324 “slim jim” recycling containers to businesses to help set-up and/or improve existing recycling programs, and responded to 152 requests for information ranging from educational materials to presentations for property managers, tenants, and employees. On June 11th, the SORRT program hosted a business recycling seminar at the Sidney Kramer Upcounty Regional Services Center in Germantown. The 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. Nine people, including property managers, business owners, and staff attended the seminar. DSWS completed waste audits of five selected businesses to identify required recyclable materials not currently being recycled and opportunities to recycle other voluntary materials that are being generated. The waste audit reports will be utilized to assist similar business types in recommending improvements to their recycling, waste reduction, reuse and buying recycled activities. The five selected businesses included a nursing home/assisted living facility, fitness center, restaurant, private school, and a car dealership. A postcard self-mailer was developed to educate businesses about the importance of recycling at work. The postcard is expected to be mailed at the beginning of July.

Multi-Family Recycling and Waste Reduction – Between April 1, 2015 and June 30, 2015, TRRAC Program staff conducted 761 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 19 multi-family property educational events, reaching 871 people. These events included community recycling displays and several resident recycling presentations, staff trainings, resident board meetings, and lobby events. Staff also responded to 59 requests for information; resolved six complaints; and distributed 3,107 baby blue (6-gallon) multi-family recycling bins, 42 Slim Jim (23-gallon) recycling containers, 143 WasteWatcher XL (32-gallon) recycling containers, 33 Brute (44-gallon) recycling containers, and 28 Glutton (55-gallon) recycling containers to multi-family properties to increase available recycling capacity. A postcard invitation was sent to 750 multi-family property managers and property management companies (representing 668 multi-family properties) inviting them to attend the Multi-Family Recycling and Waste Reduction Seminar at the Sidney Kramer Upcounty Regional Service Center in Germantown on April 16th. Nine multi-family property managers and staff attended the seminar. Guest Speaker Ms. Ariana Beall, property manager of The Waterford Condominium, gave a presentation on working with resident “Green Teams” to

improve multi-family recycling programs. Field verification continued on the 668 Annual Multi-Family Recycling and Waste Reduction Reports received for calendar 2014. DSWS produced an educational bilingual "Make a Difference in Your Community. Reduce Waste and Recycle 70% by 2020!" postcard, and began distributing it to multi-family property resident to increase resident awareness and participation in their on-site recycling programs. In addition, the Spanish version of the "How to Recycle at Multi-Family Properties" video was updated and will be provided to multi-family property owners, managers and residents to educate Spanish-speaking residents about multi-family recycling programs.

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 66 Recycling Program Volunteers, some of them participating in multiple events, contributed just over 266 hours of their time to support recycling activities from April 1, 2015 through June 30, 2015. One volunteer provided more than 48 hours of office assistance which included filing and counting and bundling of educational materials for distribution at outreach events. During this quarter, 12 volunteers participated in seven community outreach events and contributed almost 44 hours of direct service providing waste reduction, reuse and recycling outreach and education to 879 people. Also, during this quarter, 21 volunteers contributed over 78 hours of service during the spring 2015 confidential paper shredding/recycling and reuse donation collection events providing service to 1,412 customers. Two Neighborhood Block Captains volunteered and provided recycling updates and information to 90 of their neighbors. In April, one Speaker's Bureau volunteer provided recycling outreach to 27 residents. Furthermore, in recognition of Volunteer Appreciation Month, DSWS hosted the annual Volunteer Appreciation and Recognition Ceremony on Earth Day, April 22. A total of 40 volunteers and their guests attended the ceremony and received certificates of appreciation and service pins for their volunteer service. Volunteer recruitment and training efforts continued during this quarter. Three new volunteer orientation and training sessions were held this quarter in which 16 new volunteers attended and received information about the County's various recycling and solid waste programs. Additionally, three volunteers attended a volunteer composting training session and received detailed training about the County's backyard composting and grasscycling programs. Staff is making preparations for the upcoming 9-day Montgomery County Agricultural Fair in August. During the quarter, there were 15 applicant volunteers and 23 prospect volunteers. As of June 30, 2015 there are 293 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 – May 31, 2015) in which pre-consumer food scraps are separated for recycling collection, a total of 67.9 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 161,938 tons for the quarter, or an average of 1,780 tons per day. During this time 15 tours of the plant were given. The plant exported 88,771,000 kilowatt-hours to the power grid. About 2,883 tons of ferrous material was recovered from the ash and recycled. During the quarter Unit #1 came down due to external tube leaks, a feed chute plug, and its scheduled outage. Unit #2 came down to clear fouling of the superheater and economizer tubes prior to its major outage. Shortly after its outage broken grate bars forced the unit to come down again for repairs. As part of the outage bundles of superheater tubes were replaced and about 100 ft² of inconel was installed to prevent future tube leaks. Also, the scrubber was inspected and an 8 foot band of C-2000 alloy was installed inside to prevent future leaks and air infiltration. Unit #3 came down twice for superheater tube leaks and twice for external tube leaks, and again for a superheater and division wall tube leaks. Also during the month, a chemical delivery truck operator spilled sulfuric acid onto asphalt paving. The driver was washed, taken to the hospital, and released with no medical issues. A portion of the spill ran onto the grass area adjacent to the asphalt. The spill was reported to EPA and MDE and Montgomery County. The contaminated soil was remove and disposed.

Materials Recovery Facility (MRF) – During the fourth quarter the following items were addressed: seven conveyor belts were replaced due to wear and the increase of material operating hours, 12 pulleys and four sets of bearings were replaced, as were two conveyor motors. The sprockets, rollers, head pulleys, tail pulleys, and tail guards were replaced on six additional conveyors; holes attributable to wear on the sides and bottoms of material chutes were repaired; 15 conveyor lacings were replaced, and we began the rebuilding of our two main material feed conveyors. To help with the tracking of our conveyor belts and to help reduce the dropping of materials side skirting was replaced on

two conveyors. A baler transformer was replaced and general repair and maintenance was performed on both balers and hoppers.

Oaks Landfill – The 2.4 Megawatt landfill gas-to-energy (LFGE) facilities continues to operate. The new LFGE Operation & Maintenance Contractor CB&I started operations at Oaks on July 1, 2015.

The supplementary soil gas extraction wells and groundwater monitoring wells installed in August 2014 to address gas migration beyond the fill area are functioning well. At the beginning of the quarter two sampling events were conducted. A third groundwater sampling event was conducted in April 2015, and SCS Engineers is currently analyzing the groundwater data to determine whether the groundwater is still being affected by gas migration. This analysis is part of the 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. DEP completed the sampling for 2nd (calendar) quarter gas monitoring report in June and no exceedances were noted.

In May the office building at Oaks landfill got a new roof. The expanded oil and grit receiving area is functioning smoothly. The quarterly Periodic Compliance Report was submitted in a timely manner to WSSC.

In June 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. The new LFGE Operation & Maintenance Contractor CB&I started operations at Gude Landfill on July 1, 2015.

DEP received the official letter of deficiency pertaining to the Assessment of Corrective Measures (ACM) Report from MDE in April, 2015 outlining the all the issues discussed in the meeting with DEP on March 3, 2015, pertaining to the proposed approach for remediation of low level environmental contamination at the Gude Landfill. DEP submitted responses to the MDE comments. From March 16, 2015 through March 27, 2015, DEP collected groundwater samples as part of semiannual sampling event using a low flow sampling technique. DEP completed the Gude Landfill Semiannual Monitoring Report for the Spring of 2015 and sent it to MDE in June. For this reporting period, there were 149 different VOCs detected from samples collected from 41 monitoring locations with 35 concentrations exceeding the Maximum Contaminant Level (MCL) for drinking water.

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 five percent methane by volume in wells at the property line). There have been a few continued exceedances with the well #26S near the pond off of the 600 East Gude Drive entrance, and the operations contractor, SCS Engineers, has taken corrective actions to improve the vacuum on the well field. After SCS's 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 spring 2015 quarter gas monitoring event conducted in June indicated no exceedances.

A GLCC meeting was conducted on June 25, 2015, to brief the community about the DEP response to MDE deficiency letter related to 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. However, spring 2015 monitoring report indicated several exceedances and ERM is currently analyzing the results.

Solid Waste Transfer Station – Covanta shipped 157,169 tons of processible waste via rail from the Transfer Station for the fourth quarter of FY15 compared to 144,310 for the same period last year.

The inbound radiation detectors had 30 total alarms this quarter – 24 alarms by vehicles whose loads were identified as containing low levels of medical isotopes with short half-lives in trash; 2 alarms were from a driver who had undergone recent medical tests and 2 false alarms and 2 alarms for material not accepted (RA226).

The Public Unloading Facility radiation detectors had 6 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 605 enforcement actions were issued during the reporting period. The enforcement composition breakdown includes:

Code Section	Description	Verbal	NOV	Citation	TOTAL
48.00.05.04 (c)	<i>Failure of Driver to provide accurate list of customers when asked by Inspector.</i>	0	0	1	1
48-05(3)(d)	<i>Delivery of solid waste acceptable for recycling</i>	25	3	4	32
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>	0	2	2	4
48-19(2)(a)	<i>Improper or no tarps on resident vehicle</i>	392	23	1	416
48-19(a)(2)b	<i>Transporting solid waste without a canvas or tarp covering the load tightly Commercial</i>	64	25	11	100
48-19(a)(3)	<i>Person cannot engage in business of collecting or transporting solid waste without obtaining a license</i>	2	5	6	13
48-19(b)(1)	<i>Collector and or Haulers must maintain an Office in the county</i>	0	0	1	1
48-20(a)	<i>Un-permitted Vehicle of a Licensed Company</i>	0	2	10	12
48-20(c)	<i>3" letters must be on vehicle on each side</i>	0	2	0	2
48-20(d)	<i>Unsafe Vehicle</i>	0	0	2	2
48-22	<i>Permit required for transporting trash from out of State into County</i>	3	0	4	7
48-24(c)	<i>Container Standards must be maintained</i>	0	3	4	7
48-48(a)	<i>Failing to dispose of Solid Waste Acceptance for Recycling. (Generators)</i>	0	0	8	8
	TOTALS	486	65	54	605

Site 2 Landfill Properties – Solid Waste Services performed an inspection of the properties. Animal holes in a pond embankment were repaired after the removal of the animals. DGS Real Estate Office evaluated and awarded a lease to farm various Site 2 properties for ten years. DGS received a price for repairing numerous windows at the Chiswell house.

Yard Trim Compost Facility – The facility received 17,544 tons of material for composting this quarter; this compares with 18,858 tons of materials received during the same period last year. No material was diverted to back-up composting facilities this quarter. There were 22,484 cubic yards of bulk LeafGro™ shipped this quarter; compared with 15,578 cubic yards for the same period last year.

Bagging Operation – 122,300 bags of LeafGro™ were shipped to distributors this quarter. This compares with 235,850 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 fourth quarter of FY15, approximately 46,862 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 2,618 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 – Starting in July 2014, Covanta has been operating the DOT pad for construction and demolition recycling and including a soil screening operation. In this quarter, 12,848 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/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	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	91,464
# Residences receiving collection of recyclables in blue bins and yard trim collection	214,880
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
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
WVO	Waste Vegetable Oil
YTD	Year-To-Date