



Montgomery County, Maryland

2nd QUARTERLY REPORT for FY-18

OCTOBER, NOVEMBER AND DECEMBER 2017



DEP and Covanta conducted a Hauler Safety Day on October 13, 2017, at the Shady Grove Processing Facility and Transfer Station. They distributed packages which included a letter with important rules, a health and safety fact sheet, proper personal protection equipment (PPE) to use on-site and items to keep out of the trash to minimize the risk of fire.

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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 prior fiscal years (County Fiscal Year 2018 began July 1, 2017).

FACILITY	October FY18	FY18 YTD	October FY17	October FY16
Recycling Center ⁽¹⁾	6,178 tons	22,217 tons	5,645 tons	5,872 tons
Non Processibles to Greencastle, PA ⁽⁶⁾	2,568 tons	7,254 tons	0 ton	0 ton
Resource Recovery Facility ⁽²⁾	54,546 tons	223,871 tons	44,735 tons	49,864 tons
Yard Trim Compost Facility	4,211 tons	14,905 tons	6,789 tons	3,974 tons
Honeygo Run Reclamation ⁽³⁾	0 ton	0 ton	1,936 tons	416 tons
Other Rubble and Soil Recycling ⁽⁴⁾	4,545 tons	15,668 tons	3,221 tons	4,673 tons
Ash Recycling (Old Dominion LF) ⁽⁵⁾	15,696 tons	69,423 tons	14,169 tons	16,408 tons
MSW Bypass to Landfills	0 ton	16,769 tons	10,172 tons	0 ton

FACILITY	November FY18	FY18 YTD	November FY17	November FY16
Recycling Center ⁽¹⁾	5,761 tons	11,102 tons	6,070 tons	6,042 tons
Non Processibles to Greencastle, PA ⁽⁶⁾	1,524 tons	2,648 tons	0 ton	0 ton
Resource Recovery Facility ⁽²⁾	47,154 tons	271,025 tons	45,021 tons	50,760 tons
Yard Trim Compost Facility	12,111 tons	27,016 tons	12,169 tons	16,105 tons
Honeygo Run Reclamation ⁽³⁾	0 ton	0 ton	1,437 tons	475 tons
Other Rubble and Soil Recycling ⁽⁴⁾	3,477 tons	7,689 tons	1,557 tons	1,351 tons
Ash Recycling (Old Dominion LF) ⁽⁵⁾	16,437 tons	85,860 tons	14,395 tons	13,948 tons
MSW Bypass to Landfills	2,291 tons	6,220 tons	5,929 tons	0 ton

(1) Recycling Center tons reported as outgoing.

(2) 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.

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

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

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

(6) As of July 1, 2017, the Shady Grove Processing Facility and Transfer Station began shipping non processible waste (Mountain View Reclamation Landfill, Greencastle, PA).

FACILITY	December FY18	FY18 YTD	December FY17	December FY16
Recycling Center ⁽¹⁾	5,629 tons	33,762 tons	6,811 tons	7,188 tons
Non Processibles to Greencastle, PA ⁽⁶⁾	1,452 tons	10,467 tons	0 ton	0 ton
Resource Recovery Facility ⁽²⁾	50,841 tons	321,866 tons	25,587 tons	54,728 tons
Yard Trim Compost Facility	11,329 tons	38,345 tons	8,166 tons	14,404 tons
Honeygo Run Reclamation ⁽³⁾	0 ton	0 ton	568 tons	543 tons
Other Rubble and Soil Recycling ⁽⁴⁾	747 tons	18,102 tons	1,043 tons	851 tons
Ash Recycling (Old Dominion LF) ⁽⁵⁾	16,202 tons	100,156 tons	11,455 tons	15,039 tons
MSW Bypass to Landfills	0 ton	6,220 tons	11,820 tons	0 ton

(1) Recycling Center tons reported as outgoing.

(2) 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.

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Revenue Analysis and Systems Evaluation

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 2017 totaling \$4,028,661.28 (an increase of \$713,788.42 above the same quarter in 2016);
- Updated the Aging Report (30-day average arrearage was less than \$15,000 per month for the quarter);
- Reconciled October, November and December 2017 tons to monies posted in ERP, as well as to the total dollars charged in Paradigm;
- Submitted FY19 Solid Waste Operating Budget to OMB; and
- Continued working on implementing credit card system at Transfer Station scale house.

CITIZEN COMMITTEES

Dickerson Area Facilities Implementation Group (DAFIG) – DAFIG met on Tuesday, December 12, 2017. Topics discussed included the following:

- RRF Air Permit Renewal
- DEP research on “water plan”
- Site II – Deer Management – Expression of Interest
- Environmental Monitoring Update
- DEP Complaint Report
- External Stack Viewing Camera
- Facilities Update
- DAFIG website

The next quarterly DAFIG meeting will be held on March 13, 2018.

Solid Waste Advisory Committee (SWAC)

October – Eileen Kao, Chief, Waste Reduction and Recycling Section gave a presentation on Food Waste Management and discussed Council Bill #28-16 Food Waste Strategic Plan.

November – Robin Ennis, Chief, Collections Section and Don Birnesser, Chief, Central Operations Section both gave presentations on their respective Sections. It was announced that a solicitation will be going out in the next two months to fill current and upcoming SWAC vacancies.

December – No meeting; Holiday break.

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 or recyclables were not collected.

October 2017	145
October 2016	121
Difference	+ 24

November 2017	104
November 2016	114
Difference	- 10

December 2017	108
December 2016	251
Difference	- 143

Resident Service Requests:

October 2017

22 gallon bin pick-up	496
22 gallon bin request	1,560
Bulk trash requests	2,414
Cart pick-up	19
Cart repair	460
65 gallon cart	132
35 gallon cart	103
Field check	339
Literature	277
Property damage/missing	30
Same day	343
Scrap Metal request	2,065

November 2017

22 gallon bin pick-up	391
22 gallon bin request	1,352
Bulk trash requests	2,240
Cart pick-up	17
Cart repair	380
65 gallon cart	118
35 gallon cart	99
Field check	284
Literature	208
Property damage/missing	13
Same day	285
Scrap Metal request	1,780

December 2017

22 gallon bin pick-up	237
22 gallon bin request	1,022
Bulk trash requests	2,048
Cart pick-up	15
Cart repair	381
65 gallon cart	99
35 gallon cart	67
Field check	274
Literature	140
Property damage/missing	17
Same day	294
Scrap Metal request	1,519

Outreach:

Survey Cards:

To ascertain level of customer satisfaction with collection services, the Public Service Workers distributed survey cards while performing recycling container deliveries/pick-ups or repairs.

In **October**, 635 cards were dropped off with a return rate of 11%.

	Excellent	Good	Average	Fair	Poor
Service Request Fulfillment	96%	4%	0%	0%	0%
County Provided Collection Services	82%	17%	1%	0%	0%

In **November**, 372 cards were dropped off with a return rate of 14%.

	Excellent	Good	Average	Fair	Poor
Service Request Fulfillment	92%	6%	0%	0%	2%
County Provided Collection Services	86%	10%	0%	2%	2%

In **December**, 482 cards were dropped off with a return rate of 11%.

	Excellent	Good	Average	Fair	Poor
Service Request Fulfillment	93%	7%	0%	0%	0%
County Provided Collection Services	67%	24%	9%	0%	0%

Collection Section Enforcement Actions:

October:

- Citations: There were no citations issued.
- Notices of Violation: There were no Notices of Violation issued.

November:

- Citations: There were no citations issued.
- Notices of Violation: There were no Notices of Violation issued.

December:

- Citations: There were two citations issued.
 - 48-20-6 Did collect solid waste after 9:00 p.m. and before 7 a.m. within 500 feet of a residential structure. (Funes)
 - 48-20-6 Did collect solid waste after 9:00 p.m. and before 7 a.m. within 500 feet of a residential structure. (Flores)
- Notices of Violation: There were no Notices of Violation issued.

Website:

Solid Waste Services Website

Metric	October 2017	November 2017	December 2017
Users	41,723	37,083	40,388
Sessions	61,390	56,744	61,935
Page Views	132,640	125,858	139,336

Email / Text Message List Memberships

Topic	Subscribers		
	October 2017	November 2017	December 2017
Holiday Reminder	23,073 (1)	22,966 (1)	22,883 (1)
Holiday Reminder (by route)	12,680 (290)	12,757 (142)	12,978 (270)
HHW Announcements	11,774 (0)	11,736 (0)	11,697 (0)
Facility Updates	8,884 (105)	8,945 (98)	9,042 (126)
Electronics recycling	13,221 (138)	13,321 (148)	13,429 (139)
Expanded Polystyrene Ban news and updates	591 (14)	603 (16)	614 (14)
Go Green	4,794 (0)	4,774 (0)	4,764 (0)
Civic Loop	4,235 (14)	4,223 (9)	4,201 (8)
SORRT Newsletter	3,669 (10)	3,672 (9)	3,675 (8)
TRRAC Newsletter	2,602 (10)	2,602 (8)	2,572 (8)
Quarterly Report	2,943 (14)	2,942 (13)	2,949 (16)
Paper Shredding Events	11,902 (108)	12,032 (172)	12,198 (184)
Recycling Volunteers – Active	252 (0)	252 (0)	249 (0)
Recycling Volunteers – Prospective	142 (0)	142 (0)	133 (0)
Learn about new web features	475 (14)	481 (9)	489 (11)
Total Subscriptions	101,237 (718)	101,448 (625)	101,873 (785)

Most Popular Web Pages

October 2017	November 2017	December 2017
1. Holidays	Transfer Station detail page	Holidays
2. Transfer Station detail page	Collection Day Lookup	Collection Day Lookup
3. Collection Day Lookup	Holidays	Transfer Station detail page
4. How Do I...	Recycling, Trash and Yard Trim Programs – home	Recycling, Trash and Yard Trim Programs – home
5. Recycling, Trash and Yard Trim Programs – home	How Do I...	How Do I...
6. DSWS home page	DSWS home page	DSWS home page
7. Bulk Trash	Bulk Trash	Bulk Trash
8. Webstore – Recycling bins and containers	Webstore – Recycling bins and containers	Webstore – Recycling bins and containers
9. Webstore – Shopping cart	Paper Shredding	Christmas Trees
10. Paper Shredding	Webstore – Shopping cart	Request Home Page

ADDITIONAL RECYCLING

Product Recycled	Oct FY18	FY18 YTD	Oct FY17	Oct FY16
TVs and PCs	107 tons	569 tons	124 tons	106 tons
Propane Tanks	3 tons	12 tons	2 tons	2 tons
Textiles	7 tons	27 tons	5 tons	11 tons
Construction Materials (Don't Dump – Donate)	0 ton	0 ton	1 ton	0 ton
Vehicle Batteries	5 tons	33 tons	9 tons	6 tons
Scrap Metal	658 tons	2,753 tons	621 tons	451 tons

Product Recycled	Nov FY18	FY18 YTD	Nov FY17	Nov FY16
TVs and PCs	153 tons	722 tons	130 tons	133 tons
Propane Tanks	2 tons	14 tons	2 tons	2 tons
Textiles	7 tons	34 tons	7 tons	12 tons
Construction Materials (Don't Dump – Donate)	0 ton	0 ton	1 ton	1 tons
Vehicle Batteries	5 tons	38 tons	9 tons	12 tons
Scrap Metal	593 tons	3,346 tons	600 tons	432 tons

Product Recycled	Dec FY18	FY18 YTD	Dec FY17	Dec FY16
TVs and PCs	104 tons	826 tons	36 tons	124 tons
Propane Tanks	1 tons	15 tons	3 tons	2 tons
Textiles	5 tons	39 tons	5 tons	10 tons
Construction Materials (Don't Dump – Donate)	1 ton	1 ton	0 ton	3 tons
Vehicle Batteries	3 tons	41 tons	7 tons	4 tons
Scrap Metal	488 tons	3,834 tons	518 tons	475 tons

HAZARDOUS WASTE PROGRAMS

Household Hazardous Waste (HHW) Collection – There were a total of 26,952 patrons of the program in the second fiscal quarter (October, November, December). During normal business hours, we had 26,205 patrons; after 5:00 p.m., we had 747 patrons.

Small Quantity Generator/ECOWISE Program – There were 61 ECOWISE participants in the second quarter that discarded 6.74 tons of business-related hazardous materials during the quarter.

WASTE REDUCTION

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

Paint Reduction – 159 gallons of latex paint being given to 20 residents, and more than 10 tons of latex paint being donated to nonprofit organizations. Paint that cannot be reused or donated is solidified and further processed which resulted in more than 69 tons of paint being 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 biodiesel production. During the second fiscal quarter, 7 tons of WVO were shipped out for processing into biodiesel.

AIR PERMITS AND ENVIRONMENTAL PROGRAMS

Resource Recovery Facility (RRF): CEMS Tracking of RRF Emissions – On Sunday, December 3, 2017, at 6:42 a.m., and on Monday, December 4, 2017, at 9:42 p.m., the opacity CEMS on Unit #1 indicated readings of 13% and 12% opacity, which exceeded the 6-minute block average opacity limit of 10%. Covanta later reported that the second event had occurred prior to its ability to determine the root cause (of both), which turned out to be a malfunction of the welds on the bypass damper in the baghouse which were promptly repaired. Exceedances of this type are reported under the facility’s air permit, but are exempt from enforcement; no regulatory consequences are expected. There was no other exceedance of air permit emission limits during the quarter.

TES Contract (RRF Weather Station) – All the instrumentation worked normally this quarter. Data recovery for all parameters was 100 percent. Precipitation for the month of October was 2.33 inches, November was 1.99 inches and December was .77 inches.

WASTE REDUCTION AND RECYCLING

Public Education and Outreach – Staff from the Waste Reduction and Recycling Section and Recycling Program volunteers actively participated in 13 activities, events and training sessions reaching 3,629 people this quarter.

- Two confidential paper shredding and recycling events were held this quarter. In addition to confidential paper shredded and recycled, DSWS organized clothing/household item reuse collection services at these events to give residents the opportunity to bring quality items for donation to A Wider Circle. Donations from these two events filled one and one-quarter box trucks.

Date	Location	Number of Vehicles Served	Amount of confidential paper shredded and recycled (pounds)	Amount of cardboard recycled (pounds)
10/7/17	Walter Johnson HS	717	35,960	580
11/4/17	Clarksburg HS	414	16,400	180

- DEP/DSWS staff developed the “Think Outside the Box” holiday campaign to raise awareness of the increased amounts of waste generated during the holidays. DSWS focused its message on reducing, reusing and recycling during the holiday season and beyond. A kick-off media event with County Executive Isiah Leggett was held on November 19, 2017 at Pike and Rose.
- Staff set-up an educational display table at the Brookside Gardens’ Garden of Lights on December 19, 2017 to showcase creative ways residents can reuse materials during the holiday season. Staff distributed reusable bags to visitors.
- Staff responded to 93 requests for information and printed materials on the County’s waste reduction, reuse and recycling programs.
- Staff responded to three (3) questions about the ban on the use and sale of expanded polystyrene food service products and packaging peanuts; forwarded twelve (12) complaints regarding the use of expanded polystyrene food service products to the Recycling Investigators for follow-up and investigation.
- DEP/DSWS staff were interviewed on iHeart Media’s Public Affairs Program to raise awareness of waste reduction, reuse, recycling and buying recycled products, including during the holiday season. The interview aired once in November and once in December on HOT 99.5, 97.1 WASH-FM, BIG 100, DC101, and 98.7 WMZQ.
- Staff continued work on the development of a Food Waste Strategic Plan, as required per Council Bill 28-16. Each of the working groups reviewed draft chapters and provided input. A meeting was held on November 1, 2017 and a status update on the process was provided. Comments were submitted by the working groups to DSWS during the second week of November.

On-Site Composting and Waste Reduction Activities – Staff and recycling volunteers continued to provide education and encourage residents to manage yard trim materials on-site through backyard/on-site composting and grasscycling. During this quarter:

- Distributed 657 backyard compost bins to residents.
- Conducted two (2) composting workshops: Master Gardener Urban Gardening event in Silver Spring and Habitat for Humanity ReStore in Rockville; a total of 26 residents participated.
- Ensured that all 21 compost bin pick-up locations throughout the County had an adequate supply of compost bins; completed 19 requests for deliveries of additional compost bins.
- Responded to 16 requests for information or materials related to backyard composting/grasscycling.

Recycling Investigations Unit – Since the unit was established in 2005, 79,276 site visits and 7,773 formal investigations have been conducted. During this quarter:

- 97 NOVs were issued to businesses and multi-family properties for infringements against the recycling regulations and Chapter 48.
- 20 citations were issued to businesses, multi-family properties, and a refuse/recycling collection contractor as follows:

# of Citations Issued	Reason for Citation	Citation issued to Business, Collector, Multi-Family Property, or Other
13	Failure to recycle required recyclable materials	Business
1	Failure to recycle required recyclable materials	Multi-Family Property
1	Failure to provide containers for required recyclable materials	Multi-Family Property
1	Failure to properly maintain premises by permitting solid waste to be stored outside storage containers	Multi-Family Property
1	Failure to store solid waste in a vermin-proof and water-proof container equipped with a tight-fitting lid	Business
1	Failure to provide and maintain an approved container for the storage of solid waste	Business
1	Failure to use recyclable or compostable disposable food service ware	Business
1	Failure to collect and deliver to a recycling facility, materials that have been source separated from the solid waste stream	Collector
20	Total Number of Citations Issued	

Commercial Recycling and Waste –

- Staff, from the SORRT (Smart Organizations Reduce and Recycle Tons) Program, conducted 1,302 site visits to businesses, non-profit organizations, and Federal, State and County government facilities to monitor the status and progress of their recycling programs and to recommend on-site recycling program improvements.
- Staff participated in 11 business-related educational events, reaching 346 employees.
- Staff resolved 6 complaints and responded to 147 requests for information and materials.
- Staff distributed the following types and quantities of recycling containers to businesses to increase on-site recycling efforts:

Desk-Side (13-gal) Recycling Bins	Slim Jim (23-gal) Recycling Bins
995	287

- The SORRT Program hosted a Recycling Oversight Committee (ROC) meeting for representatives from local, State and Federal government agencies on November 17, 2017. The meeting provided an opportunity to share information pertaining to the County's business recycling requirements, experiences and ideas to help participants improve their recycling efforts.
- Staff emailed notifications regarding the CY2017 Annual Business Recycling and Waste Reduction Report to 557 businesses and commercial properties. Only six notifications were sent via USPS to businesses. Large businesses must file their annual report by February 1; medium businesses, selected small businesses, and owners of commercial multi-tenant facilities must file their report by March 1.
- Three webinars designed to educate businesses on using the online annual recycling reporting system have been scheduled for January and February 2018.

Multi-Family Recycling and Waste Reduction –

- Staff from the TRRAC (Think, Reduce and Recycle at Apartments and Condominium) Program conducted 713 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 12 multi-family property educational events, reaching 357 people.
- Staff responded to 91 requests for information and resolved 16 complaints.
- Staff distributed the following types and quantities of recycling containers to multi-family apartments and condominiums to increase on-site recycling efforts:

Baby Blue (6-gal) Recycling Bins	Slim Jim (23-gal) Recycling Bins	WasteWatcher XL (32-gal) Recycling Bins
2,005	43	25

- One issue of the TRRAC quarterly newsletter was posted on the DSWS website and emailed to 2,587 email addresses registered on the multi-family newsletter subscriber list.
- On December 13, 2017, TRRAC held a webinar on completing the 2017 Multi-family Annual Recycling and Waste Reduction Reports online. Eight multi-family property managers participated.
- TRRAC mailed 815 postcards to multi-family property manager and management companies reminding them of the February 1 deadline for submitting their CY2017 Annual Recycling and Waste Reduction Report.

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 74 Recycling Program volunteers, some participating in multiple events, contributed almost 314 hours of their time to support waste reduction, reuse and recycling activities this quarter.

- Four (4) volunteers provided over 45 hours of office assistance.
- Fourteen (14) volunteers participated in five (5) community outreach events providing 58 hours of outreach and education to 1,191 residents.
- One (1) Team Lead volunteer participated in one (1) community outreach event providing over four (4) hours of direct service.
- Twenty-five (25) volunteers contributed almost 94 hours of service during the two (2) paper shredding/recycling and reuse collection events on October 7, 2017 and November 4, 2017.
- Twelve (12) volunteers contributed over 52 hours of time preparing materials for the Montgomery County Thanksgiving Parade; sixteen (16) volunteers contributed almost 56 hours during the Montgomery County Thanksgiving Parade encouraging viewers to reduce, reuse and recycle every day.
- Two (2) Neighborhood Block and Building Recycling Captain volunteers contributed almost five (5) hours of service providing outreach and education about waste reduction, reuse, recycling and backyard composting to neighbors, distributing information to 51 homes.
- Staff continued to recruit new volunteers. Twenty new volunteers and 27 volunteer applicants were recruited.
- A total of 22 new and existing recycling volunteers received information about the County's recycling and solid waste programs and services during three volunteer orientation and trainings sessions provided this quarter.
- There are currently 437 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.

EOB Cafeteria Food Scrap Recycling Model Project – DEP continued to monitor the model food scrap recycling collection project for the EOB cafeteria.

- To date (November 1, 2011 – December 31, 2017), a total of 123.5 tons of pre-consumer food scraps has been collected and recycled.
- Staff continues to monitor the collection area daily and check for feedback from cafeteria staff on a regular basis.
- Staff continues to monitor the food scrap recycling collection containers for the cafeterias at the Council Office Building and the Public Safety Headquarters Building.
- Compostable/biodegradable bags were distributed to all three locations.

FACILITY ACTIVITIES

Resource Recovery Facility (RRF) –

RRF processed	152,541 tons / 1,658 per day
RRF tours	0
RRF exported	87,584,000 kilowatt-hours to the power grid
Ferrous material recovered from ash	2,799 tons

There was no bypass this quarter. Average boiler availability was 93.2% while the plant ran at 83.2% capacity based on steam flow.

During the quarter, the units were down to repair tube leaks, repair grate bars, clear debris from a scrubber, to clean a boiler and to fix the shaft of an overfire combustion air fan. There was no need to purchase electricity.

Recycling Center – During this quarter, the Recycling Center production was divided into two separate and distinct operations to better account for the operational and production aspects between the commingled material and the new mixed paper processing facility. The purpose of this was to bring full scale accounting for each processing line rather than mix the financial tracking of both. Between both systems the Recycling Center received more than 19,339 tons of recyclable material of which more than 7,754 tons of incoming commingled recyclable material and more than 11,585 tons of cardboard, mixed paper, and other fiber-related materials were processed and exported to commodity vendors and processors under contractual agreements.

The second quarter's production and commodity rates were both impacted by China's decision to restrict certain levels of fiber-related material, as well as certain mixed plastic commodities. The decision impacted the County financially, and caused production difficulties due to restricted access to overseas containers shipping exported materials to China. The combination of these two items along with equipment conformance standards resulted in more than 1,046 tons of mixed loose paper being sent to a third party for processing at a lower revenue rather than being baled under the new system.

During regular and preventative maintenance programs, the following maintenance items were addressed: one conveyor belt was replaced due to wear or damage; four pulleys, two rollers, and three set of bearings were replaced; two sets of laces were replaced on belts; interval hour maintenance was performed on the loaders and other rolling stock equipment; both pit conveyors were cleaned and excess liquid material vacuumed out; and routine repair and maintenance was performed on all processing equipment and rolling stock.

Oaks Landfill

Power Plant Update - The 2.4 Megawatt landfill gas-to-energy (LFGE) facility continues to operate well.

Aptim completed the gas sampling around the landfill property boundary for the 2nd quarter monitoring event in December, and no exceedances were noted.

A two-year study report on Nature and Extent for Oaks Landfill was compiled and submitted to MDE in October 2017. The monitoring results in the report were inconclusive and DEP requested permission from the MDE to extend the study for two years.

Normal landfill leachate treatment and hauling of the pretreated leachate to the Transfer Station discharge point continues unremarkably.

Gude Landfill – The 0.8 MW Megawatt landfill gas-to-energy (LFGE) facility discontinued operations on June 1, 2017. However, the gas collection systems are fully operational and landfill gas is diverted to flaring. No gas migration issues were noted at the landfill property boundary. The methane gas monitoring wells on the northwest boundary of the Landfill adjacent to the gas line right-of-way and the Derwood Station community have been largely in compliance.

Aptim completed the gas sampling around the landfill for the 2nd quarter gas monitoring event in December, and only one exceedance was noted from probe #18. Probe #18 was drilled through the landfilled waste and needs to be relocated during the cap construction.

The procurement process for Gude Landfill Cap design was completed and the QSC made the recommendations to the Authority Board in December.

The monthly meetings, between GLCC (i.e., the community) and DEP are conducted on a regular basis at the Transfer Station. The meetings will continue throughout the remediation process. Written updates will be provided during months when there is insufficient new information to justify a meeting.

TES Contract (Gude Landfill Weather Station) – All the instrumentation worked normally this quarter. Data recovery for all parameters was 100 percent. Precipitation for the month of October was 1.23 inches, November was 2.94 inches, and December was 0.87 inches.

Beantown Dump Project – This project involves reducing the presence of methane gas at the former Beantown Dump near the intersection of Gude Drive and Dover Road.

DEP completed the quarterly gas monitoring in November 2017. In the 2nd quarter monitoring, sampling indicated exceedances in 23 probes out of the total 81 probes, which represents 28% of the total. Results indicated reduced methane concentrations at the old dump site, after Phase I, Passive Venting Monitoring, well enhancements. However, historically due to the seasonal fluctuations sometimes in very few probes, exceedances continue to occur. Therefore, DEP is continuing the quarterly monitoring.

Solid Waste Transfer Station – Covanta shipped 147,245 tons of processible waste via rail from the Transfer Station for the second quarter of FY18 compared to 109,731 for the same period last year.

The inbound radiation detectors had 29 total alarms this quarter – 23 alarms by vehicles whose loads were identified as containing low levels of medical isotopes with short half-lives in the solid waste; and 6 alarms from drivers who had undergone recent medical tests. The Public Unloading Facility radiation detectors had 3 alarms.

Transfer Station Enforcement – Under Chapter 48 of the Montgomery County Code, a total of 344 enforcement actions were issued during the reporting period. The enforcement composition breakdown includes:

Code Section	Description	Verbal	NOV	Citation	TOTAL
48.00.05.03(d)	<i>Delivering of solid waste acceptable for recycling</i>	43	12	56	111
48-11	<i>Illegal dumping, dumping in another's container, dumping solid waste on a public right-of-way</i>	0	0	1	1
48-19(a)(1)	<i>Transporting Solid Waste without a valid Collectors/Hauler tag</i>	0	2	0	2
48-19(a)(2)(a)	<i>Improper or no tarps on resident vehicle</i>	118	18	10	146
48-19(a)(2)(b)	<i>Transporting solid waste without a canvas or tarp covering the load tightly Commercial</i>	7	19	14	40
48-19(a)(3)	<i>Person cannot engage in business of collecting or transporting solid waste without obtaining a license</i>	0	2	11	13
48-20(a)	<i>Un-permitted Vehicle of a Licensed Company</i>	0	1	18	19
48-20(c)	<i>3-inch high letters required on vehicle</i>	0	0	1	1
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>	0	0	3	3
48-23	<i>Leaving Vehicle (Trash Truck) running unattended</i>	0	0	1	1
48-24(c)	<i>Container Standards must be maintained</i>	0	0	1	1
48-48(a)	<i>Recycle compliance by Recycler</i>	0	0	2	2
48-48(b)	<i>Compliance by Hauler/Collector</i>	0	0	2	2
	TOTALS	168	54	122	344

Site 2 Landfill Properties – DGS Real Estate is in the process of preparing the Draper farm house to be rented. A new Request for Expression of Interest (REOI) for deer management services was prepared and sent to various parties.

Yard Trim Compost Facility –

October, November, and December	FY18	FY17
Materials composted in tons	22,397.74 tons	27,124 tons
Materials diverted to back-up composting facilities	0	0
LeafGro™ shipped	5,417 cu yd.	11,257 cu yds.
LeafGro™ bagged shipped to distributors (Each bag is 1.5 cubic feet weighing 45 lbs.)	163,500 bags	254,400 bags

OUT-OF-COUNTY HAUL

Old Dominion Landfill, Richmond, VA – In this quarter, approximately 46,429 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.

Mountain View Reclamation Landfill, Greencastle, PA. Approximately 5,781 tons of non-processibles were sent to Greencastle, PA this quarter compared to 3,941 tons sent to Honeygo Run Reclamation site in Perry Hall, MD, for the same period last year.

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)
Recycling Center	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 DEP	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	598,514 (CY16)
Latest Recycling and Waste Diversion Rate Reported in Montgomery County	61% (CY16)
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 FY16, 65,104 tons of yard trim were received at the Dickerson facility.</p>
# Residences receiving trash collection by County contractors	91,845
# Residences receiving collection of recyclables in blue bins and yard trim collection	217,557
Transportation and recycling or beneficial reuse of ash residue from the RRF.	Through a task order with the Northeast Maryland Waste Disposal Authority, who in turn has a contract with BFI Waste Systems of Virginia, LLC, doing business as Old Dominion Landfill, that goes from July 1, 2017 through June 2024 with an optional 7 year renewal.

GLOSSARY OF ACRONYMS

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
ERP	Enterprise Resource Planning
FY	Fiscal Year
GLCC	Gude Landfill Concerned Citizens
HHW	Household Hazardous Waste
kWh	Kilowatt-hours
LFGE	Landfill Gas-to-Energy
MES	Maryland Environmental Services
MWh	Mega Watt hours
NOV	Notice of Violation
REOI	Request for 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
YTD	Year-To-Date