



DEPARTMENT OF
**ENVIRONMENTAL
PROTECTION**



Montgomery County, Maryland

3rd QUARTERLY REPORT for FY-18

JANUARY, FEBRUARY AND MARCH 2018



Bill Davidson, Chief, Northern Operations and Strategic Planning Section retires after 19 years of dedicated service to the Department of Environmental Protection and to the residents of Montgomery County.

Printed on Recycled and Recyclable Paper



TABLE OF CONTENTS

OVERVIEW 3

CITIZEN COMMITTEES..... 5

COLLECTIONS 5

ADDITIONAL RECYCLING 9

HAZARDOUS WASTE PROGRAMS..... 10

WASTE REDUCTION 11

AIR PERMITS AND ENVIRONMENTAL PROGRAMS..... 11

WASTE REDUCTION AND RECYCLING..... 11

PILOT PROGRAMS 15

FACILITY ACTIVITIES 16

OUT-OF-COUNTY HAUL..... 19

GENERAL INFORMATION 20

SOLID WASTE FACTS IN A NUTSHELL 21

GLOSSARY OF ACRONYMS 22

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

FACILITY	January FY18	FY18 YTD	January FY17	January FY16
Recycling Center ⁽¹⁾	6,599 tons	40,361 tons	6,795 tons	4,921 tons
Non Processibles to Greencastle, PA ⁽⁶⁾	866 tons	11,333 tons	0 ton	0 ton
Resource Recovery Facility ⁽²⁾	43,688 tons	365,554 tons	40,528 tons	43,135 tons
Yard Trim Compost Facility	859 tons	38,652 tons	2,325 tons	1,496 tons
Honeygo Run Reclamation ⁽³⁾	0 ton	0 ton	736 tons	321 tons
Other Rubble and Soil Recycling ⁽⁴⁾	848 tons	18,950 tons	1,945 tons	744 tons
Ash Recycling (Old Dominion LF) ⁽⁵⁾	12,565 tons	112,735 tons	11,264 tons	11,072 tons
MSW Bypass to Landfills	0 ton	16,769 tons	2,743 tons	0 ton

FACILITY	February FY18	FY18 YTD	February FY17	February FY16
Recycling Center ⁽¹⁾	5,017 tons	45,378 tons	5,320 tons	6,465 tons
Non Processibles to Greencastle, PA ⁽⁶⁾	1,775 tons	13,108 tons	0 ton	0 ton
Resource Recovery Facility ⁽²⁾	42,394 tons	407,948 tons	41,715 tons	42,671 tons
Yard Trim Compost Facility	1,608 tons	39,511 tons	1,221 tons	646 tons
Honeygo Run Reclamation ⁽³⁾	0 ton	0 ton	1,022 tons	218 tons
Other Rubble and Soil Recycling ⁽⁴⁾	996 tons	19,946 tons	3,903 tons	612 tons
Ash Recycling (Old Dominion LF) ⁽⁵⁾	13,212 tons	125,947 tons	10,735 tons	11,850 tons
MSW Bypass to Landfills	0 ton	16,769 tons	468 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	March FY18	FY18 YTD	March FY17	March FY16
Recycling Center ⁽¹⁾	5,210 tons	50,588 tons	5,682 tons	6,170 tons
Non Processibles to Greencastle, PA ⁽⁶⁾	2,866 tons	15,974 tons	0 ton	0 ton
Resource Recovery Facility ⁽²⁾	47,312 tons	455,260 tons	39,745 tons	45,152 tons
Yard Trim Compost Facility	1,925 tons	41,119 tons	2,801 tons	2,978 tons
Honeygo Run Reclamation ⁽³⁾	0 ton	0 ton	1,224 tons	510 tons
Other Rubble and Soil Recycling ⁽⁴⁾	1,043 tons	20,989 tons	1,729 tons	2,622 tons
Ash Recycling (Old Dominion LF) ⁽⁵⁾	13,087 tons	139,034 tons	13,002 tons	11,119 tons
MSW Bypass to Landfills	0 ton	16,769 tons	4,630 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).

Revenue Analysis and Systems Evaluation

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 2018 totaling \$3,388,003.02 (an increase of \$68,965.42 above the same quarter in 2017);
- Updated the Aging Report (30-day average arrearage was less than \$15,000 per month for the quarter);
- Reconciled January, February and March 2018 tons to monies posted in ERP, as well as to the total dollars charged in Paradigm;
- Completed the FY18 2nd Quarter budget analysis;
- Continue implementing credit card system at Transfer Station scale house; and
- Prepare FY19 Solid Waste Operating Budget for transmittal to County Council on March 16, 2018.

CITIZEN COMMITTEES

Dickerson Area Facilities Implementation Group (DAFIG) – DAFIG met on Tuesday, March 13, 2018. 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 June 12, 2018.

Solid Waste Advisory Committee (SWAC)

January – Discussion of considerations impacting review/revision of the Plan: Food Scrap Strategic Plan still under development, Solid Waste Strategic Planning effort to be initiated in April Subcommittee Structure revisited: Planning subcommittee renamed “Calendar” subcommittee; Budget subcommittee renamed “Strategic and Budget” subcommittee; and Recycling subcommittee to include “Organics” recycling.

February – Don Birnesser, Chief, Central Operations Section gave a presentation on the Material Recycling Facility; and Eileen Kao, Chief, Waste Reduction and Recycling Section gave a presentation on the update to the Food Waste Strategic Plan.

March – Meeting cancelled due to inclement weather.

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.

January 2018	173
January 2017	130
Difference	+43
February 2018	102
February 2017	255
Difference	- 153
March 2018	114
March 2017	222
Difference	- 108

Resident Service Requests:

January 2018

22 gallon bin pick-up	607
22 gallon bin request	2,077
Bulk trash requests	1,956
Cart pick-up	17
Cart repair	609
65 gallon cart	145
35 gallon cart	116
Field check	426
Literature	150
Property damage/missing	27
Same day	432
Scrap Metal request	1,341

February 2018

22 gallon bin pick-up	583
22 gallon bin request	1,735
Bulk trash requests	1,753
Cart pick-up	11
Cart repair	557
65 gallon cart	106
35 gallon cart	91
Field check	325
Literature	110
Property damage/missing	22
Same day	274
Scrap Metal request	1,315

March 2018

22 gallon bin pick-up	461
22 gallon bin request	2,062
Bulk trash requests	2,038
Cart pick-up	8
Cart repair	425
65 gallon cart	103
35 gallon cart	92
Field check	391
Literature	351
Property damage/missing	20
Same day	373
Scrap Metal request	1,645

Outreach:

Survey Cards:

Our driver/clerk distributes a survey card at each container related service stop. Figures in tables are percentages.

In **January**, 567 cards were dropped off with a return rate of 10%.

	Excellent	Good	Average	Fair	Poor
Service Request Fulfillment	96%	4%	0%	0%	0%
County Provided Collection Services	70%	26%	2%	2%	0%

In **February**, 736 cards were dropped off with a return rate of 11%.

	Excellent	Good	Average	Fair	Poor
Service Request Fulfillment	98%	2%	0%	0%	0%
County Provided Collection Services	88%	10%	1%	1%	0%

In **March**, 574 cards were dropped off with a return rate of 16%.

	Excellent	Good	Average	Fair	Poor
Service Request Fulfillment	86%	10%	2%	2%	0%
County Provided Collection Services	78%	19%	1%	2%	0%

Collection Section Enforcement Actions:

January:

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

February:

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

March:

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

Website:

Solid Waste Services Website

Metric	January 2018	February 2018	March 2018
Users	51,860	35,628	38,458
Sessions	81,226	54,581	61,963
Page Views	173,382	120,449	145,516

Email / Text Message List Memberships

Topic	Subscribers		
	January 2018	February 2018	March 2018
Holiday Reminder	22,845 (148)	22,798 (-47)	22,779 (-19)
Holiday Reminder (by route)	17,898 (548)	18,125 (227)	18,538 (413)
HHW Announcements	11,662 (-35)	11,642 (-20)	11,630 (-12)
Facility Updates	9,139 (97)	9,237 (98)	9,341 (104)
Electronics recycling	13,577 (148)	13,701 (124)	13,816 (115)
Expanded Polystyrene Ban news and updates	634 (20)	656 (22)	677 (21)
Go Green	4,755 (-9)	4,774 (-11)	4,739 (-5)
Civic Loop	4,205 (4)	4,214 (9)	4,233 (19)
SORRT Newsletter	3,682 (7)	3,744 (62)	3,764 (20)
TRRAC Newsletter	2,573 (1)	2,579 (6)	2,598 (19)
Quarterly Report	2,960 (11)	2,974 (14)	2,998 (24)
Paper Shredding Events	12,448 (250)	12,560 (112)	12,647 (87)
Recycling Volunteers - Active	249 (0)	249 (0)	249 (0)
Recycling Volunteers - Prospective	133 (0)	133 (0)	133 (0)
Learn about new web features	503 (14)	520 (17)	541 (21)
Total Subscriptions	107,263 (1,204)	107,906 (613)	108,683 (807)

Most Popular Web Pages

January 2018	February 2018	March 2018
1. Holidays	Holidays	Transfer Station detail page
2. Collection Day Lookup	Transfer Station detail page	Recycling, Trash and Yard Trim Programs – home
3. Recycling, Trash and Yard Trim Programs – home	Recycling, Trash and Yard Trim Programs – home	DSWS home page
4. Transfer Station detail page	Collection Day Lookup	Collection Day Lookup
5. DSWS home page	How Do I...	How Do I...
6. How Do I	DSWS home page	Holidays
7. Collection Day Lookup	Bulk Trash	Bulk Trash
8. Christmas Trees	Colle	Webstore – 22-gallon bins
9. Bulk Trash	Webstore – 22-gallon bins	Webstore – Shopping cart
10. Webstore – Recycling bins and containers	Webstore – Recycling bins and containers	Webstore – Recycling bins and containers

ADDITIONAL RECYCLING

Product Recycled	January FY18	FY18 YTD	January FY17	January FY16
TVs and PCs	104 tons	930 tons	158 tons	166 tons
Propane Tanks	1 ton	16 tons	9 tons	1 ton
Textiles	6 tons	45 tons	5 tons	8 tons
Construction Materials (Don't Dump – Donate)	0 ton	1 ton	0 ton	0 ton
Vehicle Batteries	3 tons	47 tons	0 ton	4 tons
Scrap Metal	514 tons	4,348 tons	526 tons	397 tons

Product Recycled	February FY18	FY18 YTD	February FY17	February FY16
TVs and PCs	103 tons	1,033 tons	115 tons	104 tons
Propane Tanks	1 ton	17 tons	3 tons	2 tons
Textiles	5 tons	50 tons	5 tons	16 tons
Construction Materials (Don't Dump – Donate)	0 ton	1 ton	0 ton	1 ton
Vehicle Batteries	2 tons	49 tons	8 tons	9 tons
Scrap Metal	472 tons	4,820 tons	620 tons	466 tons

Product Recycled	March FY18	FY18 YTD	March FY17	March FY16
TVs and PCs	121 tons	1,154 tons	86 tons	138 tons
Propane Tanks	3 tons	20 tons	2 tons	2 tons
Textiles	4 tons	54 tons	7 tons	14 tons
Construction Materials (Don't Dump – Donate)	1 ton	2 tons	1 ton	1 ton
Vehicle Batteries	6 tons	55 tons	8 tons	9 tons
Scrap Metal	596 tons	5,416 tons	677 tons	747 tons

HAZARDOUS WASTE PROGRAMS

Household Hazardous Waste (HHW) Collection – There were a total of 28,314 patrons of the program in the third fiscal quarter (January, February, and March). During normal business hours, we had 27,216 patrons; after 5:00 p.m., we had 1,098 patrons.

Small Quantity Generator/ECOWISE Program – There were 37 ECOWISE participants in the third 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 third fiscal quarter for shipment to countries worldwide.

Paint Reduction – Paint Reduction 0 gallons of latex paint being given to 0 residents, and 28 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 119 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 third 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 Saturday, March 3, 2018, Covanta Montgomery experienced opacity exceedances of a single 6-minute block on Unit #2 of 17% and Unit #3 of 34% at 10:12 a.m. A contractor operating an aerial lift on the APC Pad inadvertently damaged the instrument airline that controls the baghouse outlet dampers. Operators reacted quickly enough to prevent further exceedances by lining up service air to the baghouse. The elevated opacity lasted three minutes but was high enough to exceed the 6-minute limit.

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 January was 1.79 inches, February was 4.6 inches and March was 1.8 inches.

WASTE REDUCTION AND RECYCLING

Public Education and Outreach –

- Staff from the Waste Reduction and Recycling Section and Recycling Program volunteers actively participated in 15 activities, events and training sessions reaching 1,429 people this quarter.
- Staff responded to 87 requests for information and printed materials on the County’s waste reduction, reuse and recycling programs.
- Staff responded to three questions about the ban on the use and sale of expanded polystyrene food service products and packaging peanuts; forwarded eleven (11) complaints regarding the use of expanded polystyrene food service products to the Recycling Investigators for follow-up and investigation.

- DEP continued to provide educational information to residents about the important issue of reducing the risk for trash fires. A postcard mailer was sent to all single-family households on February 2, 2018 and a month-long revamped social media campaign was conducted.
- Staff members were active in planning for DEP's annual GreenFest event scheduled for May 5, 2018, as well as planning for the 2018 Montgomery County Agricultural Fair, scheduled for August 10-18, 2018.
- Staff followed-up on requests to attend or participate in numerous community, business, and property Earth Day-related events in April. A total of 42 events are currently scheduled for April 2018.
- During this period, staff continued work on the development of the Strategic Plan to Advance Composting, Compost Use, and Food Scraps Diversion, as required per Council Bill 28-16. A set of 409 comments, submitted by the working groups to DSWS, were reviewed. Additional research was conducted and the Strategic Plan was finalized. The Plan is expected to be transmitted to Council in early April.

On-Site Composting and Waste Reduction Activities – Staff and recycling volunteers continued to provide education and training to encourage and motivate residents to manage yard trim materials (grass clippings, leaves and prunings) on-site through backyard/on-site composting and grasscycling. Staff accomplished the following this quarter:

- Distributed 414 backyard compost bins to residents through distribution at events and from the 21 compost bin pick-up locations in the County.
- Conducted two (2) composting workshops: Master Gardener Spring Conference and Master Gardener Composting Training session; a total of 153 people participated.
- Ensured that all 21 compost bin pick-up locations throughout the County had an adequate supply of compost bins; completed 15 requests for deliveries of additional compost bins.
- Responded to two (2) requests for information or materials related to backyard composting/grasscycling.

Recycling Investigations Unit – Since the unit was established in 2005, 80,396 site visits and 7,962 formal investigations have been conducted. During this quarter:

- 185 NOVs were issued to businesses and multi-family properties for infringements against the recycling regulations and Chapter 48.
- 11 citations were issued to businesses as follows:

# of Citations Issued	Reason for Citation	Citation issued to Business, Collector, Multi-Family Property, or Other
8	Failure to recycle required recyclable materials	Business
1	Failure to provide and maintain an approved container for the storage of solid waste	Business
2	Failure to use recyclable or compostable food service ware	Business
11	Total Number of Citations Issued	

Commercial Recycling and Waste –

- Staff from the SORRT (Smart Organizations Reduce and Recycle Tons) Program conducted 1,094 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 17 business-related educational events, reaching 494 employees.
- Staff resolved 9 complaints and responded to 318 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
1,404	114

- The SORRT Program conducted three webinars on how to file the Annual Business Recycling and Waste Reduction Report on-line. A total of 58 people attended the webinars.
- Staff emailed reminder notifications regarding the CY2017 Annual Business Recycling and Waste Reduction Report to 557 businesses and commercial properties.
 - Reports from large businesses reports were due on February 1st
 - Reports from medium businesses, selected small businesses, and owners of commercial multi-tenant facilities were due on March 1st
 - A total of 479 reports were received; late filers were forwarded to the Recycling Investigators for follow-up and investigation.

- On March 8, the SORRT Program hosted a Business Waste Reduction and Recycling seminar entitled “Taking Business Recycling to the Next Level.” The seminar featured five (5) guest speakers who presented on their workplace recycling programs that go above and beyond the County’s requirements, as well as information pertaining to markets for recyclable materials; 59 people attended the seminar.
- Janitorial/maintenance training certifications are underway for this fiscal year. Staff conducted seven training sessions between January and March 2018 and certified 81 janitorial/maintenance staff members.

Multi-Family Recycling and Waste Reduction –

- Staff from the TRRAC (Think, Reduce and Recycle at Apartments and Condominium) Program conducted 1,062 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 489 people.
- Staff responded to 95 requests for information and resolved 14 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
2,757	15	60

- On January 18, 2018, TRRAC held a webinar on completing the 2017 Multi-family Annual Recycling and Waste Reduction Reports online. Twenty-five multi-family property managers participated.
- On March 22, 2018, TRRAC hosted a Multi-Family Waste Reduction and Recycling Seminar at the Hilton Washington DC/Rockville Hotel & Executive Meeting Center. Thirty-one multi-family property managers and staff attended.
- February 1 was the filing deadline for the Annual Multi-Family Recycling & Waste Reduction Report for CY2017. As of March 31, 2018, 660 multi-family properties submitted their reports. Staff began processing, field verifying, and approving the submitted reports. Late filers were forwarded to the Recycling Investigators for follow-up and investigation.

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 56 Recycling Program volunteers and some participating staff, in multiple events, contributed almost 231.5 hours of their time to support waste reduction, reuse and recycling activities this quarter.

- Four (4) volunteers provided over 44 hours of office assistance.
- Thirty (30) volunteers provided a total of 108.5 hours of service during three (3) community events and provided information on waste reduction, reuse and recycling to 994 residents.
- Two (2) Team Lead Recycling Volunteers participated in two (2) community events providing over twelve (12) hours of direct service.
- Nineteen (19) volunteers contributed almost 65 hours of service during the Gaithersburg St. Patrick's Day parade encouraging viewers to reduce, reuse and recycle every day.
- One (1) Neighborhood Block and Building Recycling Captain volunteer contributed almost two (2) hours of service providing education about waste reduction, reuse, recycling and backyard composting to neighbors; distributed information to 40 homes.
- Staff continued to recruit new recycling volunteers. During this quarter, 35 new recycling volunteers and 22 volunteer applicants were recruited.
- A total of 35 new and existing recycling volunteers attended three recycling volunteer orientation and training sessions this quarter.
- Through March 31, 2018, there are 472 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 – March 31, 2018), a total of 129.4 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	1
RRF exported power	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 83% while the plant ran at 75% capacity based on steam flow.

During the quarter units #1 and #3 were offline for scheduled maintenance outages. In addition, the units were down to repair tube leaks, repair grate bars, clean a scrubber, to clean a boiler and to rebalance an overfire combustion air fan. There was no need to purchase electricity during the quarter.

Recycling Center – During the third quarter, the Recycling Center production continues as 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. Between both systems the Recycling Center received more than 18,236 tons of recyclable material of which more than 7,675 tons of incoming commingled recyclable material and more than 10,561 tons of cardboard, mixed paper, and other fiber-related materials were processed and exported to commodity vendors and processors under contractual agreements.

The third quarter's production and commodity rates were substantially impacted by China's decision to restrict certain levels of fiber-related material, as well as certain mixed plastic commodities. The impact of the China decision impacted all domestic markets as well as the County not only financially, but also caused production difficulties due to restricted access to overseas containers shipping exported materials to China. Although exports were impacted, equipment conformance standards resulted in more than 794.73 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: two conveyor belts were replaced due to wear or damage; two pulleys, one roller, and one set of bearings were replaced; and 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. The evening maintenance shift was amended with a full complement of mechanics which has allowed us to return to full scheduled preventative maintenance.

Oaks Landfill - Power Plant Update - The 2.4 Megawatt landfill gas-to-energy (LFGE) facility continues to operate well. In March 2018, minor maintenance was performed on the 1.6-Megawatt Caterpillar engine

MDE reviewed the two-year report on Nature and Extent for Oaks Landfill and approved the recommendations for the phased investigation and additional two-year monitoring period.

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

Gude Landfill – MDOT/MTA plans on delivering and stockpiling soil from the Purple Line sites to use during the future landfill capping construction.

Landfill remediation cap design engineer service contract has been executed.

The Landfill Flare System is operational (including the gas collection system). The Landfill Gas-to-Energy (LFGE) facility was shut down in June of 2017.

Landfill gas monitoring systems are intact and operational and generally in compliance. One probe gives readings indicating that it was drilled through the landfilled waste and needs to be relocated during the cap construction.

Spring groundwater sampling continues.

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. Quarterly monitoring continues and active vent systems are under consideration.

Solid Waste Transfer Station – Covanta shipped 132,020 tons of processible waste via rail from the Transfer Station for the third quarter of FY18 compared to 125,625 for the same period last year.

The inbound radiation detectors had 27 alarms by vehicles whose loads were identified as containing low levels of medical isotopes with short half-lives in the solid waste. The Public Unloading Facility radiation detectors had 1 alarm.

[The remainder of this page is intentionally left blank]

Transfer Station Enforcement – Under Chapter 48 of the Montgomery County Code, a total of 91 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>	9	5	8	22
48-11	<i>Illegal dumping, dumping in another's container, dumping solid waste on a public right-of-way</i>	0	0	0	0
48-19(a)(1)	<i>Transporting Solid Waste without a valid Collectors/Hauler tag</i>	1	0	0	1
48-19(a)(2)(a)	<i>Improper or no tarps on resident vehicle</i>	28	2	2	32
48-19(a)(2)(b)	<i>Transporting solid waste without a canvas or tarp covering the load tightly Commercial</i>	2	13	4	19
48-19(a)(3)	<i>Person cannot engage in business of collecting or transporting solid waste without obtaining a license</i>	0	2	2	4
48-20(a)	<i>Un-permitted Vehicle of a Licensed Company</i>	1	1	2	4
48-20(c)	<i>3-inch high letters required on vehicle</i>	0	0	0	0
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>	1	0	0	1
48-23	<i>Leaving Vehicle (Trash Truck) running unattended</i>	0	0	0	0
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	5	5
48-48(b)	<i>Compliance by Hauler/Collector</i>	0	0	0	0
	TOTALS	42	23	26	91

Site 2 Landfill Properties – DGS Real Estate is in the process of preparing the Draper farm house to be rented. While the house was vacant, the fuel tank ran out of fuel and the house loss heat which lead to water pipes freezing and causing damage. A new Request for Expression of Interest (REOI) for deer management services received two responses. Patriot Resources was the selected organization given permission to continue doing deer management at Site 2.

Yard Trim Compost Facility –

January, February and March	FY18	FY17
Materials composted in tons	4,391 tons	6,347 tons
Materials diverted to back-up composting facilities	0	0
LeafGro™ shipped	5,417 cu yds.	3,395 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 the third quarter of FY18, approximately 38,864 tons of ash residue were transported to the Old Dominion Landfill for ash recycling and metal recovery. The Ash was screened into two grades for use as road base and alternate daily cover within the confines of the landfill owned by Republic Services. Metals were 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 5,507 tons of non-processibles were sent to Greencastle, PA this quarter compared to 2,982 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	91,859
# Residences receiving collection of recyclables in blue bins and yard trim collection	217,715
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
CY	Calendar Year
DAFIG	Dickerson Area Facilities Implementation Group
DGS	Department of General Services
DEP	Department of Environmental Protection
DSWS	Division of Solid Waste Services
ERP	Enterprise Resource Planning
EOB	Executive Office Building
FY	Fiscal Year
GLCC	Gude Landfill Concerned Citizens
HHW	Household Hazardous Waste
kWh	Kilowatt-hours
LFGE	Landfill Gas-to-Energy
MDOT/MTA	Maryland Department of Transportation / Maryland Transit Administration
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