



Montgomery County, Maryland

3rd QUARTERLY REPORT for FY-19

JANUARY, FEBRUARY AND MARCH 2019



WSSC Oaks Leachate Pretreatment Plant Wins Bronze Award March 2019
(Pictured Carla Reid, General Manager and Chief Executive Officer of the Washington Suburban Commission presenting Don Birnesser, Chief, Central Operations Section with the Award)

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OVERVIEW

Tonnage at a Glance

The following table shows key material flows during the months of January, February, and March including the fiscal year to date (FY YTD), and the same calendar month in the two prior fiscal years (County Fiscal Year 2019 began July 1, 2018).

FACILITY	Jan FY19	FY19 YTD	Jan FY18	Jan FY17
Recycling Center ⁽¹⁾	5,968 tons	35,351 tons	6,599 tons	6,795 tons
Non Processibles to Greencastle, PA ⁽⁶⁾	2,007 tons	24,703 tons	866 tons	0 tons
Resource Recovery Facility ⁽²⁾	48,995 tons	372,689 tons	43,688 tons	40,528 tons
Yard Trim Compost Facility	4,125 tons	47,506 tons	859 tons	2,325 tons
Honeygo Run Reclamation ⁽³⁾	0 tons	0 tons	0 tons	736 tons
Other Rubble and Soil Recycling ⁽⁴⁾	1,294 tons	19,070 tons	848 tons	1,945 tons
Ash Recycling (Old Dominion LF) ⁽⁵⁾	12,771 tons	109,261 tons	12,565 tons	11,264 tons
MSW Bypass to Landfills	0 tons	961 tons	0 tons	2,743 tons

FACILITY	Feb FY19	FY19 YTD	Feb FY18	Feb FY17
Recycling Center ⁽¹⁾	3,715 tons	39,066 tons	5,017 tons	5,320 tons
Non Processibles to Greencastle, PA ⁽⁶⁾	2,091 tons	26,794 tons	1,775 tons	0 tons
Resource Recovery Facility ⁽²⁾	43,718 tons	416,407 tons	42,394 tons	41,715 tons
Yard Trim Compost Facility	3,172 tons	50,678 tons	1,608 tons	1,221 tons
Honeygo Run Reclamation ⁽³⁾	0 tons	0 tons	0 tons	1,022 tons
Other Rubble and Soil Recycling ⁽⁴⁾	1,451 tons	20,521 tons	996 tons	3,903 tons
Ash Recycling (Old Dominion LF) ⁽⁵⁾	12,660 tons	121,921 tons	13,212 tons	10,735 tons
MSW Bypass to Landfills	0 tons	961 tons	0 tons	468 tons

(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	Mar FY19	FY19 YTD	Mar FY18	Mar FY17
Recycling Center ⁽¹⁾	4,169 tons	43,235 tons	5,210 tons	5,682 tons
Non Processibles to Greencastle, PA ⁽⁶⁾	3,001 tons	29,795 tons	2,866 tons	0 tons
Resource Recovery Facility ⁽²⁾	52,532 tons	468,939 tons	47,312 tons	39,745 tons
Yard Trim Compost Facility	1,782 tons	52,461 tons	1,925 tons	2,978 tons
Honeygo Run Reclamation ⁽³⁾	0 tons	0 tons	0 tons	1,224 tons
Other Rubble and Soil Recycling ⁽⁴⁾	1,685 tons	22,206 tons	1,043 tons	1,729 tons
Ash Recycling (Old Dominion LF) ⁽⁵⁾	16,048 tons	137,969 tons	13,087 tons	13,002 tons
MSW Bypass to Landfills	0 tons	961 tons	0 tons	4,630 tons

(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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(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 2019 totaling \$4,093,027.84 (an increase of \$705,024.82 above the same quarter in 2018);
- Updated the Aging Report (30-day average arrearage was less than \$15,000 per month for the quarter);
- Reconciled January, February and March 2019 tons to monies posted in ERP, as well as to the total dollars charged in Paradigm;
- Completed the FY19 3rd Quarter budget analysis;
- Review status of contract renewals;
- Continue implementing credit card system at Transfer Station scale house; and
- Review FY18 encumbrances for liquidation.

CITIZEN COMMITTEES

Dickerson Area Facilities Implementation Group (DAFIG) – DAFIG met on Tuesday, March 12, 2019. Topics discussed included the following:

- Review and acceptance of 12/11/18 meeting minutes
- Introduction of Lonnie and Judy
- BCC certification requirements
- RRF's corrective action plan
- RRF's "Best in Class" requirements to completion
- County Master Plan update
- DAFIG Master Plan update
- Environmental monitoring update
- Environmental Monitoring modeling RFP
- DEP compliance and complaints
- Facilities Updates
- GenMa presented review of proposed plan to remove coal ash to a beneficial use.

The next quarterly DAFIG meeting will be held on Tuesday, June 11, 2019.

Solid Waste Advisory Committee (SWAC)

January – Staff presented SWAC an overview of the Waste Reduction and Recycling Section, and the Division's strategy to reduce the contamination of recyclable materials. SWAC discussed additional ways to get the word out about vacancies in order to attract more potential candidates as SWAC members. Staff volunteered to help with posting of social media messages on the DSWS and My Green Montgomery Twitter accounts to boost awareness and applications.

February –

Aiming for Zero Waste – Update on current status/activity of the task force's efforts, bulleted below.

- Critical foundation items will need to be moved into the budget process as soon as possible.
- Organic – Survey out to big food waste producers (30 users). Looking for an idea of what/how/who is being done with their organic waste.
- Potential temporary outlet at Western Branch (WB) to receive 4,000 tons per year of material.
- Looking at potential options to improve the MRF performance and clean up the product streams.

March-

Section Chief presentation on FY20 budget. Full budget on-online.

- General support for budget as submitted
- Specific support for Food Waste Plan, MRF improvement plans
- Continue to advocate for incorporating Sub-District B to County's trash collection
- Request for funding of human resources (i.e. Program Manager IIs) to allow the department to provide proper planning and implementation of Master Plan recommendations.

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 2019	83
January 2018	173
Difference	- 90
February 2019	75
February 2018	102
Difference	- 27
March 2019	60
March 2018	114
Difference	- 54

Resident Service Requests:

January 2019

22 gallon bin pick-up	651
22 gallon bin request	2,290
Bulk trash requests	2,116
Cart pick-up	21
Cart repair	535
65 gallon cart	168
35 gallon cart	154
Field check	322
Literature	137
Property damage/missing	27
Same day	283
Scrap Metal request	1,420

February 2019

22 gallon bin pick-up	589
22 gallon bin request	1,876
Bulk trash requests	1,775
Cart pick-up	14
Cart repair	431
65 gallon cart	110
35 gallon cart	109
Field check	277
Literature	123
Property damage/missing	19

Same day	174
Scrap Metal request	1,184

March 2019

22 gallon bin pick-up	700
22 gallon bin request	2,109
Bulk trash requests	2,444
Cart pick-up	22
Cart repair	523
65 gallon cart	246
35 gallon cart	235
Field check	314
Literature	211
Property damage/missing	32
Same day	252
Scrap Metal request	1,895

Outreach:

Survey Cards:

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

In **January**, 479 cards were dropped off with a return rate of 12%.

	Excellent	Good	Average	Fair	Poor
Service Request Fulfillment	84%	9%	2%	3%	2%
County Provided Collection Services	70%	26%	2%	2%	0%

In **February**, 633 cards were dropped off with a return rate of 10%.

	Excellent	Good	Average	Fair	Poor
Service Request Fulfillment	90%	5%	3%	0%	2%
County Provided Collection Services	80%	16%	2%	2%	0%

In **March**, 499 cards were dropped off with a return rate of 16%.

	Excellent	Good	Average	Fair	Poor
Service Request Fulfillment	83%	13%	3%	1%	0%
County Provided Collection Services	73%	21%	5%	0%	1%

Collection Section Enforcement Actions:

January:

- Citations: There were no citations issued.
- Notices of Violation: There was one Notice of Violation issued.
 - 48-21b. Collect within 500 feet of a residential structure before 7:00 a.m.

February:

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

March:

- Citations: There were no citations issued.
 - 48-21b. Collect within 500 feet of a residential structure before 7:00 a.m.
- Notices of Violation: There were no notices of violation issued.

Website:

Solid Waste Services Website

Metric	January 2019	February 2019	March 2019
Users	70,695	49,597	33,582
Sessions	123,211	79,644	52,286
Page Views	244,104	166,635	134,264

Email / Text Message List Memberships

Topic	Subscribers		
	January 2019	February 2019	March 2019
Civic Loop Newsletter	6,295 (16)	6,295 (0)	6,303 (-8)
Collection Reminders	25,511 (2,312)	24,200 (1,001)	24,337 (137)
Electronics Recycling	14,848 (162)	14,968 (120)	15,069 (101)
Expanded Polystyrene Ban	810 (28)	821 (11)	833 (12)
Facility Updates	10,251 (150)	10,340 (89)	10,425 (85)
Go Green	4,621 (-5)	4,612 (-9)	4,611 (-1)
HHW Announcements	11,259 (-19)	11,239 (-20)	11,234 (-5)
Holiday Reminders	22,281 (-44)	22,240 (-41)	22,236 (-4)
New Website Features	661 (26)	669 (8)	676 (7)
Paper Shredding	13,786 (203)	13,963 (177)	14,166 (203)
Quarterly Report	3,103 (33)	3,118 (15)	3,129 (11)
Recycling Volunteers -- Active	347 (0)	347 (0)	347 (0)
Recycling Volunteers -- Prospective	274 (0)	274 (0)	274 (0)
SORRT Newsletter	3,845 (14)	3,849 (4)	3,828 (-21)
TRRAC Newsletter	2,743 (11)	2,749 (6)	2,727 (22)
Total Subscriptions	121,066 (2,898)	119,684 (1,361)	120,195 (511)

Most Popular Web Pages

January 2019	February 2019	March 2019
1. Collection Day Lookup	Collection Day Lookup	Transfer Station detail page
2. Holidays	Holidays	Recycling, trash, and Yard Trim Programs – home
3. Recycling, trash, and Yard Trim Programs – home	Recycling, trash, and Yard Trim Programs – home	How Do I
4. DSWS home page	Transfer Station detail page	Bulk Trash
5. Transfer Station detail page	How Do I	DSWS home page
6. How Do I	DSWS home page	Collection Day Lookup
7. Bulk Trash	Bulk Trash	Webstore – Single Family
8. Trash Service Details	Webstore – Single Family	Paper Shredding
9. Webstore – Single Family	Webstore – Bins/Containers	Webstore – Shopping cart
10. Christmas Trees	Webstore – Shopping cart	Webstore – Bins/Containers

ADDITIONAL RECYCLING

Product Recycled	January FY19	FY19 YTD	January FY18	January FY17
TVs and PCs	128 tons	773 tons	104 tons	158 tons
Propane Tanks	2 tons	21 tons	1 ton	9 tons
Textiles	8 tons	43 tons	6 tons	5 tons
Construction Materials (Don't Dump – Donate)	0 tons	2 tons	0 tons	0 tons
Vehicle Batteries	7 tons	64 tons	3 tons	0 tons
Scrap Metal	534 tons	4,410 tons	514 tons	526 tons

Product Recycled	February FY19	FY19 YTD	February FY18	February FY17
TVs and PCs	80 tons	853 tons	103 tons	115 tons
Propane Tanks	1 ton	22 tons	1 ton	3 tons
Textiles	4 tons	47 tons	5 tons	5 tons
Construction Materials (Don't Dump – Donate)	0 tons	2 tons	0 tons	0 tons
Vehicle Batteries	7 tons	71 tons	2 tons	8 tons
Scrap Metal	487 tons	4,897 tons	472 tons	620 tons

Product Recycled	March FY19	FY19 YTD	March FY18	March FY17
TVs and PCs	104 tons	957 tons	121 tons	86 tons
Propane Tanks	4 tons	26 tons	3 tons	2 tons
Textiles	10 tons	57 tons	4 tons	7 tons
Construction Materials (Don't Dump – Donate)	0 tons	2 tons	1 ton	1 ton
Vehicle Batteries	9 tons	80 tons	6 tons	8 tons
Scrap Metal	518 tons	5,415 tons	677 tons	747 tons

HAZARDOUS WASTE PROGRAMS

Household Hazardous Waste (HHW) Collection – There were a total of 24,355 patrons to the program in the third fiscal quarter. During normal business hours we had 23,542 patrons; after 5 p.m. we had 813 patrons.

Small Quantity Generator/ECOWISE Program – There were 33 ECOWISE participants in the third quarter that discarded 3.61 tons of business-related hazardous materials during the quarter.

WASTE REDUCTION

Bicycle Recycling – Approved non-profit organizations removed 4 tons of bikes in the third fiscal quarter for local use as well as shipment to countries worldwide.

Paint Reduction – The Paint Store was closed over the winter due to freezing temperatures, it will reopen April 1, 2019. DEP donated 26.05 tons of latex paint to nonprofit organizations. We continued the Frozen Paint Pilot Program. The paint is frozen in a refrigerated storage container prior to being disposed of as MSW on the tipping floor. This quarter, 137 tons of paint were frozen and disposed of.

Waste Vegetable Oil (WVO) Recycling – The Transfer Station has a vendor that accepts Waste Vegetable Oil (WVO) for the sole purpose of biodiesel production. During the third quarter, 5 tons of WVO were shipped out for processing into biodiesel.

AIR PERMITS AND ENVIRONMENTAL PROGRAMS

Resource Recovery Facility (RRF): CEMS Tracking of RRF Emissions – This quarter there were no reportable exceedances of air permit emission limits. On January 31, 2019, MDE performed a solid waste inspection of the facility.

TES Contract (RRF Weather Station) – All the instrumentation worked normally. Data recovery for all parameters was 100 percent. Precipitation for the month of January was 3.01 inches, February was 3.30 inches and March was 4.70 inches.

WASTE REDUCTION AND RECYCLING

- Staff provided HDR with additional information regarding recycling education programs.
- Staff presented information regarding contamination of recyclable materials and efforts to reduce contamination to ensure a higher quality of recyclable materials to SWAC on January 2.
- Staff also made a presentation to SWAC to provide them with an overview of the Waste Reduction and Recycling Section's education and enforcement efforts.
- On February 12 staff testified in Annapolis on the proposed State bill to ban polystyrene in Maryland.
- Staff also participated in several on-air radio programs, interviews, and presentations to discuss how residents and businesses can ensure recyclables are kept cleaner and free of contamination:
 - City Lab/The Atlantic interview on February 19
 - Montgomery County Food Council presentation on March 6
 - Recycling Oversight Committee presentation on March 14
 - Silver Spring Urban District Advisory Committee meeting on March 21

- Staff was invited and gave a presentation on recycling education and outreach metrics at the Council of Governments (COG) Recycling Committee meeting on March 21.
- Staff is reviewing and commenting on proposed Senate and House bills concerning solid waste, recycling, bans on expanded polystyrene and related topics as they are proposed in the State Legislature.

Public Education and Outreach

- Staff from the Waste Reduction and Recycling Section and Recycling Program volunteers actively participated in 21 activities, events and training sessions reaching 1,709 people this quarter.
- Staff responded to two (2) questions pertaining to the ban on the use and sale of expanded polystyrene food service products and packaging peanuts; forwarded 16 complaints of non-compliance to the Recycling Investigators for follow-up and investigation. Staff also forwarded three (3) complaints to the City of Rockville for complaints about the use of expanded polystyrene food service containers at businesses located within the City of Rockville.
- Planning efforts are underway for the 5th Annual Montgomery County GreenFest which will be held at Brookside Gardens on Sunday, April 28, 2019 from 11 a.m. to 4 p.m.
- Staff continues efforts to reduce contamination levels of recyclable materials and educate residents to reduce the amount of contamination they place in their recycling bins. During this quarter, information on recycling right and reducing contamination was posted on the website. Information was also disseminated via Twitter and Facebook. Staff developed a recycling volunteer education canvassing project to provide door-to-door education to residents this spring. During January and February, DEP trained 26 recycling volunteers to become recycling education canvassers and team captains.
- Staff is also in the process of developing graphics for signage for collection trucks, as well as keepsake mailers to focus on recycling right and keeping contamination out of recyclable materials for single-family households and multi-family residents.
- Staff is developing an educational and informational social media campaign to raise awareness of waste reduction, reuse, recycling and recycling right. The campaign will go out through Twitter, Facebook and Instagram this spring.

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 garden trimmings) on-site through backyard/on-site composting and grasscycling. Staff accomplished the following this quarter:

- Distributed 386 backyard compost bins to residents.
- 48 residents participated in a backyard composting demonstration and compost bin distribution event at Meadowside Nature Center on March 29.

- Conducted three (3) composting workshops this quarter: Town of Glen Echo, Master Gardener Composting Training session and the Master Gardener Spring Conference; a total of 160 people participated in these three events.
- Ensured that all 21 compost bin pick-up locations throughout the County had an adequate supply of compost bins by fulfilling 15 requests to restock locations with additional compost bins.
- Added one (1) new compost bin pick-up location (the re-opened Dawson’s Market in Rockville) to the 21 existing locations.
- Responded to two (2) requests for information or materials related to backyard composting/grasscycling.

Recycling Investigations Unit – Since the unit was established in 2005, a total of 84,943 site visits and 8,478 formal investigations have been conducted. During this quarter:

- 206 NOVs were issued to businesses and multi-family properties for infringements against the recycling regulations and Chapter 48.
- 12 citations were issued to businesses, collectors, and multi-family properties as follows:

# of Citations Issued	Reason for Citation	Citation issued to Business, Collector, Multi-Family Property, or Other
7	Failure to recycle required recyclable materials	Business
1	Using non-recyclable or non-compostable food service ware	Business
1	Failure to properly maintain the premises by permitting solid waste to be stored outside of approved storage containers	Business
2	Failure to properly maintain the premises by permitting solid waste to be stored outside of approved storage containers	Multi-Family
1	Failure to provide alternate solid waste collection service within 24 hours of a missed collection	Collector
12	Total Number of Citations Issued	

Commercial Recycling and Waste Reduction –

- Staff from the Smart Organizations Reduce and Recycle Tons (SORRT) Program conducted 1,286 on-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 21 business-related educational events, reaching 1,057 employees.
- Staff resolved 10 complaints and responded to 314 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
1,130	384

- The SORRT Program hosted a Recycling Oversight Committee (ROC) meeting for representatives from local, State and Federal government agencies on March 14, 2019. The meeting provided an opportunity for participants to learn about different recycling initiatives at the National Institutes of Health.
- Staff emailed reminder notifications regarding the CY2018 Annual Business Recycling and Waste Reduction Report to 120 businesses and commercial properties. Large businesses were required to submit their annual recycling report by February 1, 2019 and medium businesses, selected small businesses, and owners of commercial multi-tenant facilities/properties were required to file their report by March 1, 2019. Staff began processing and field verifying the Annual Recycling Reports submitted by the filing deadlines.
- The SORRT Program conducted two webinars on how to file the Annual Business Recycling and Waste Reduction Report on-line. A total of 32 people attended the webinars.

Multi-Family Recycling and Waste Reduction –

- Staff from the Think, Reduce and Recycle at Apartments and Condominium(TRRAC) Program conducted 504 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 13 multi-family property educational events, reaching 238 people.
- Staff responded to 109 requests for information and resolved 17 complaints.
- Staff conducted a webinar on January 18 for multi-family property and community managers on Filing Annual Recycling and Waste Reduction Reports Online; 27 property/community managers participated.
- Staff mailed 828 Annual Multi-Family Recycling and Waste Reduction Report reminder postcards to property and community managers. Staff also sent a similar reminder via email to 1,065 recipients.

- Staff began processing and field verifying the submitted Annual Multi-Family Recycling and Waste Reduction Reports received which were due on February 1, 2019.
- 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
2,807	37	16

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 40 Recycling Program volunteers, some participating in multiple events, contributed almost 127 hours of their time to support waste reduction, reuse and recycling activities.

- Three (3) recycling volunteers provided 29 hours of office assistance.
- Seven (7) recycling volunteers participated in two (2) community events, providing 20 hours of direct service and interacting with 134 residents.
- Twenty (20) recycling volunteers contributed almost 51 hours of their time participating in the Annual St. Patrick’s Day Parade in Gaithersburg.
- Conducted training for a total of 26 recycling volunteers to serve as recycling education canvassers and team captains to educate residents in recycling right and keeping contaminants out of recycling bins. On March 23 and March 30, ten (10) recycling education canvassing volunteers provided almost 28 hours of service going door-to-door in Area 7 (Drumcastle Road, Germantown).
- Staff continued to recruit new recycling volunteers. During this quarter, eight (8) new recycling volunteers and two (2) applicants were recruited.
- Eight (8) new recycling volunteers, and one (1) current recycling volunteer, attended and participated in the recycling volunteer orientation and training session.
- As of March 31, 2019, there are a total of 360 active recycling volunteers registered in the Recycling Volunteer Program.

Food Waste

- Staff updated data and created information summaries on the commercial generators of food waste and estimated tonnages.
- Staff contacted the recycling contacts of Giant Food and Whole Foods that prepare and submit their annual waste reduction and recycling reports, Giant Food corporate offices, as well as the regional office of Whole Foods to begin discussions about their current practices concerning food waste, the County’s program and plans, and partnerships to increase recycling of food waste.

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 in the EOB cafeteria.

- To date (November 1, 2011 – March 31, 2019), a total of 156.2 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 (COB) and the Public Safety Headquarters Building (PSHB).
- Compostable bags were distributed to all three locations this quarter.

FACILITY ACTIVITIES

Resource Recovery Facility (RRF) –

RRF processed	145,245 tons / 1,614 per day
RRF tours	3
RRF exported power	17,344,000 kilowatt-hours to the power grid
Ferrous material recovered from ash	2,399 tons

There was no bypass this quarter. Average boiler availability was 86% while the plant ran at 83% capacity based on steam flow. There were three tours given during the quarter.

During the quarter, all units were taken offline for scheduled outages and twice the plant lost power as a breaker in the switchyard tripped. During one of these trips, the turbine loss lube-oil causing damage to bearings. The turbine has been, and still is, down for repairs. As a result, there was a need to purchase 10,759 MWh of electricity during the quarter.

Recycling Center – During the third quarter, production continued as two separate and distinct operations to better account for the operational and production aspects between the commingled material and the mixed paper processing facility. Between both systems, the Recycling Center received more than 17,983 tons of recyclable materials of which more than 7,765 tons of incoming commingled recyclable materials and more than 10,217 tons of cardboard, mixed paper, and other paper-related materials were

processed and/or exported to commodity vendors and processors under contractual agreements.

The Commingled Material Line shipped out 2,611 tons of material; of that total 68% was glass or 1,795 tons. The Commingled Residue rate was approximately 31%. Due to system processing capacity limitations, 3,009 tons of commingled material were exported under cooperation agreements as well.

Regular and preventative maintenance programs continued for both the commingled and paper sorting systems, and interval hour maintenance was performed on the loaders and other rolling stock equipment; routine repair and maintenance was performed on all processing equipment and rolling stock. The Commingled System incurred 8.4% of System Downtime and the Paper System incurred 3.8% of System Downtime. Collectively, our combined processing systems incurred 12.20% of System Downtime. This downtime was primarily attributable to equipment maintenance and component failure.

Housekeeping efforts continued to be standardized as part of our regular maintenance program and all equipment is routinely shut down 15 minutes prior to the end of the shift to allow for work station and equipment clean-up.

Oaks Landfill

Landfill Gas – The 2.4-Megawatt landfill gas-to-energy (LFGE) facility continues to operate with minor periods of outage due to normal maintenance requirements and routine emissions testing. Scheduled routine maintenance for the engine gensets will occur the week of April 8 – 14. APTIM submitted the annual emissions stack testing report for the LFGE facility on March 29, 2019 to MDE.

Nature and Extent Investigation – The MDE approved Nature and Extent Investigation – Alternative Approach was used to develop Task Order No. 31 to implement the phased monitoring well installation and abandonment to characterize groundwater contamination as part of the approved NEI – Alternative Approach. The RQ for the purchase order for Task Order No. 31 was submitted in March.

Leachate Pretreatment Facility – Normal landfill leachate treatment and hauling of the pretreated leachate to the Transfer Station discharge point. DEP Leachate Pretreatment Facility O&M Contractor concluded testing of the influent and effluent leachate to compare against new WSSC discharge limits and associated modified WSSC discharge permit was issued and became effective October 1, 2018. Since the leachate plant is nearly 20 years old, DEP plans to develop a Task Order for a feasibility study to assess the current operations and provide recommendations for retrofitting or a new plant.

DEP was presented with the WSSC Bronze Award for the Pretreatment Recognition Awards at the WSSC Banquet in March (Picture on Cover).

Groundwater Monitoring – The 1st Quarter of 2019 semi-annual groundwater monitoring report was conducted by SCS Engineers in March 2019. The NEI quarterly sampling was conducted on January 30-31, 2019.

Gude Landfill

Landfill Gas – The Landfill Flare System is operational (including the gas collection system). The repairs to the flares at the Gude Landfill Flare Station are currently underway and are scheduled to be complete in May 2019. DEP continues weekly monitoring of the landfill gas probes.

Landfill Remediation Design Engineer Contract – Monthly Progress Meetings have occurred from July 2018 - January 2019. DEP reviewed and provided comments on the 30% Basis of Design Document. The County and its contractor (EA Engineering) have recently initiated permitting meetings to understand which permits are required for this project. DEP continues to meet with the Gude Landfill Concerned Citizens (GLCC) to discuss passive reuses and the comparative analysis developed by Floura Teeter.

Solid Waste Transfer Station – Covanta shipped 148,076 tons of processible waste via rail from the Transfer Station for the third quarter of FY19 compared to 132,020 for the same period last year.

The inbound radiation detectors had 13 total alarms this quarter – 12 alarms by vehicles whose loads were identified as containing low levels of medical isotopes with short half-lives in the solid waste; and one (1) alarm from a driver who had undergone recent medical tests. The Public Unloading Facility radiation detectors had no alarms occur this quarter.

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Transfer Station Enforcement – Under Chapter 48 of the Montgomery County Code, a total of 24 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>	1	0	0	1
48-10	<i>Depositing solid waste at other than approved placed prohibited.</i>	1	2	1	3
48-11	<i>Illegal dumping, dumping without written permission</i>	0	0	0	0
48-19(a)(1)	<i>Transporting Solid Waste without a valid Collectors/Hauler tag</i>	4	0	0	4
48-19(a)(2)(a)	<i>Improper or no tarps on resident vehicle</i>	7	1	0	8
48-19(a)(2)(b)	<i>Transporting solid waste without a canvas or tarp covering the load tightly Commercial</i>	1	4	0	5
48-19(a)(3)	<i>Person cannot engage in business of collecting or transporting solid waste without obtaining a license</i>	0	0	0	0
48-20(a)	<i>Un-permitted Vehicle of a Licensed Company</i>	0	2	1	3
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	0	0
48-22	<i>Permit Required for Transporting trash from Out of State into County</i>	0	0	0	0
	TOTALS	14	9	1	24

Site 2 Landfill Properties – The Department of General Services (DGS) Real Estate Division is in the process of preparing the Draper farm house to be rented. An application for a crop-damage deer management permit was submitted to Maryland Department of Natural Resources. Plans to go out for a Request for Expression of Interest in the 22 acre of land from the Site 2 properties that is no longer under a lease to Mr. Webb has been put on hold while DGS awaits direction from the Executive Director’s office. An application for renewal of the Site 2 landfill permit was submitted to MDE.

Yard Trim Compost Facility –

January, February, and March	FY19	FY18
Materials composted in tons	52,461 tons	42,758 tons
Materials diverted to back-up composting facilities	0	0
LeafGro™ shipped	13,702 cu yds.	10,570 cu yds.
LeafGro™ bagged shipped to distributors (Each bag is 1.5 cubic feet weighing 45 lbs.)	515,050 bags	477,650 bags

OUT-OF-COUNTY HAUL

Old Dominion Landfill, Richmond, VA – Approximately 41,479 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 7,099 tons of non-processibles were sent to Greencastle, PA this third quarter of FY19 compared to 5,507 tons 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:

Lisa Shine
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: Lisa.Shine@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 FY18, 57,355 tons of yard trim were received at the Dickerson facility.</p>
# Residences receiving trash collection by County contractors	92,057
# Residences receiving collection of recyclables in blue bins and yard trim collection	218,475
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
COB	Council Office Building
Cu yd	Cubic Yard
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
MDE	Maryland Department of the Environment
MDOT/MTA	Maryland Department of Transportation / Maryland Transit Administration
MES	Maryland Environmental Services
MWh	Mega Watt hours
NEI	Nature and Extent Investigation
NOV	Notice of Violation
PSHQ	Public Safety Headquarters
ROC	Recycling Oversight Committee
RRF	Resource Recovery Facility
SORRT	Smart Organizations Reduce and Recycle Tons
SWAC	Solid Waste Advisory Committee

SVO	Straight Vegetable Oil
TRRAC	Think Reduce and Recycle at Apartments and Condominiums
WSSC	Washington Suburban Sanitary Commission
YTD	Year-To-Date