



Montgomery County, Maryland

1st QUARTERLY REPORT for FY-19

JULY, AUGUST AND SEPTEMBER 2018



On September 25, a tour was conducted for Lt. Governor Boyd Rutherford, Secretary of the Environment Ben Grumbles, Deputy Secretary of the Environment Horacio Tablada, Director of the Maryland Energy Administration Dr. Mary Beth Tung, and key officials from Montgomery County and MES.

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OVERVIEW

Tonnage at a Glance

The following table shows key material flows during the months of July, August, and September 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	Jul FY19	FY19 YTD	Jul FY18	Jul FY17
Recycling Center ⁽¹⁾	5,338 tons	5,338 tons	5,341 tons	5,741 tons
Non Processibles to Greencastle, PA ⁽⁶⁾	3,359 tons	3,359 tons	1,124 tons	0 tons
Resource Recovery Facility ⁽²⁾	55,662 tons	55,662 tons	57,493 tons	50,217 tons
Yard Trim Compost Facility	3,695 tons	3,695 tons	2,585 tons	3,283 tons
Honeygo Run Reclamation ⁽³⁾	0 tons	0 tons	0 tons	1,405 tons
Other Rubble and Soil Recycling ⁽⁴⁾	4,471 tons	4,471 tons	4,212 tons	2,767 tons
Ash Recycling (Old Dominion LF) ⁽⁵⁾	16,824 tons	16,824 tons	17,060 tons	15,612 tons
MSW Bypass to Landfills	961 tons	961 tons	3,929 tons	3,988 tons

FACILITY	Aug FY19	FY19 YTD	Aug FY18	Aug FY17
Recycling Center ⁽¹⁾	4,423 tons	9,761 tons	5,761 tons	6,302 tons
Non Processibles to Greencastle, PA ⁽⁶⁾	4,390 tons	7,749 tons	1,524 tons	0 tons
Resource Recovery Facility ⁽²⁾	55,934 tons	111,596 tons	55,732 tons	50,285 tons
Yard Trim Compost Facility	4,252 tons	7,948 tons	4,382 tons	3,469 tons
Honeygo Run Reclamation ⁽³⁾	0 tons	0 tons	0 tons	1,421 tons
Other Rubble and Soil Recycling ⁽⁴⁾	4,119 tons	8,590 tons	3,477 tons	6,304 tons
Ash Recycling (Old Dominion LF) ⁽⁵⁾	17,572 tons	34,396 tons	17,829 tons	14,863 tons
MSW Bypass to Landfills	0 tons	961 tons	2,291 tons	10,408 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	Sep FY19	FY19 YTD	Sep FY18	Sep FY17
Recycling Center ⁽¹⁾	5,261 tons	15,022 tons	4,937 tons	6,171 tons
Non Processibles to Greencastle, PA ⁽⁶⁾	2,968 tons	10,717 tons	2,038 tons	0 tons
Resource Recovery Facility ⁽²⁾	51,779 tons	163,375 tons	56,100 tons	40,662 tons
Yard Trim Compost Facility	3,967 tons	11,915 tons	3,790 tons	3,483 tons
Honeygo Run Reclamation ⁽³⁾	0 tons	0 tons	0 tons	1,709 tons
Other Rubble and Soil Recycling ⁽⁴⁾	3,062 tons	11,652 tons	3,434 tons	7,465 tons
Ash Recycling (Old Dominion LF) ⁽⁵⁾	16,118 tons	50,514 tons	18,838 tons	13,084 tons
MSW Bypass to Landfills	0 tons	961 tons	0 tons	15,353 tons

(1) Recycling Center tons reported as outgoing.

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(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 July, August and September program staff:

- Researched properties and entered billing changes into the database;
- Prepared monthly house counts for collection contractors;
- Processed vacancy refunds payable in July, August and September;
- 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 July, August and September 2018 totaling \$4,274,983.84 (an increase of \$103,385.30 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 July, August and September 2018 tons to monies posted in ERP, as well as to the total dollars charged in Paradigm;
- Completed the FY19 1st Quarter budget analysis;
- Continue implementing credit card system at Transfer Station scale house; and
- Continue the year-end reconciliation process review for FY18 budget.

CITIZEN COMMITTEES

Dickerson Area Facilities Implementation Group (DAFIG) – DAFIG met on Tuesday, September 11, 2018. Topics discussed included the following:

- RRF – Corrective Action Plan
- Communications
- Environmental Monitoring Update
- Compliance Report
- Dickerson And Solid Waste Master Plans
- Facilities Update

The next quarterly DAFIG meeting will be held on Tuesday, December 11, 2018.

Solid Waste Advisory Committee (SWAC)

July – Summer break; no meeting.

August – Summer break; no meeting.

September – Division Chief, Willie Wainer, discussed the Aiming of Zero Waste Master Plan, and presented the new plan logo. Mr. Wainer also described the online survey associated with the Master Plan and distributed the flyer advertising the upcoming open houses in Bethesda, Gaithersburg and White Oak areas. A number of subcommittees provided updates. Discussions included the implementation of the new blue bin program, Marine Waste impacts and the use of digital stores.

SWAC meetings are held on the 1st Wednesday of each month except July, August and December.

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.

July 2018	108
July 2017	161
Difference	- 53
August 2018	129
August 2017	157
Difference	- 28
September 2018	111
September 2017	138
Difference	- 27

Resident Service Requests:

July 2018

22 gallon bin pick-up	689
22 gallon bin request	2,027
Bulk trash requests	3,202
Cart pick-up	28
Cart repair	525
65 gallon cart	141
35 gallon cart	105
Field check	399
Literature	350
Property damage/missing	25
Same day	393
Scrap Metal request	2,721

August 2018

22 gallon bin pick-up	826
22 gallon bin request	1,955
Bulk trash requests	3,215
Cart pick-up	32
Cart repair	542
65 gallon cart	196
35 gallon cart	128
Field check	448
Literature	337
Property damage/missing	19
Same day	346
Scrap Metal request	2,603

September 2018

22 gallon bin pick-up	519
22 gallon bin request	1,627
Bulk trash requests	2,429
Cart pick-up	22
Cart repair	456
65 gallon cart	143
35 gallon cart	106
Field check	367
Literature	255
Property damage/missing	23
Same day	345
Scrap Metal request	2,039

Outreach:

Survey Cards:

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

In **July**, 473 cards were dropped off with a return rate of 14%.

	Excellent	Good	Average	Fair	Poor
Service Request Fulfillment	93%	5%	0%	0%	2%
County Provided Collection Services	82%	14%	2%	2%	0%

In **August**, 514 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	87%	13%	0%	0%	0%

In **September**, 395 cards were dropped off with a return rate of 10%.

	Excellent	Good	Average	Fair	Poor
Service Request Fulfillment	97%	3%	0%	0%	0%
County Provided Collection Services	83%	14%	3%	0%	0%

Collection Section Enforcement Actions:

July:

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

August:

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

September:

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

Website:

Solid Waste Services Website

Metric	July 2018	August 2018	September 2018
Users	41,545	33,344	39,340
Sessions	65,446	52,160	62,655
Page Views	159,667	134,588	143,973

Email / Text Message List Memberships

Topic	Subscribers		
	July 2018	August 2018	September 2018
Civic Loop Newsletter	4,257 (4)	4,258 (-6)	4,257 (-1)
Collection Reminders	19,074 (140)	19,493 (106)	19,789 (140)
Electronics Recycling	14,189 (115)	14,405 (79)	11,580 (-23)
Expanded Polystyrene Ban	730 (13)	750 (9)	9,603 (80)
Facility Updates	9,603 (80)	9,757 (54)	14,189 (115)
Go Green	4,713 (-12)	4,705 (-6)	730 (13)
HHW Announcements	11,580 (-23)	11,551 (-25)	4,713 (-12)
Holiday Reminders	22,653 (-64)	22,580 (-65)	4,257 (4)
New Website Features	591 (12)	606 (5)	3,814 (-4)
Paper Shredding	13,010 (124)	13,334 (181)	2,608 (2)
Quarterly Report	3,035 (8)	3,053 (8)	3,035 (8)
Recycling Volunteers -- Active	320 (71)	320 (0)	13,010 (124)
Recycling Volunteers -- Prospective	276 (143)	320 (0)	320 (71)
SORRT Newsletter	3,814 (-4)	3,822 (-1)	276 (143)
TRRAC Newsletter	2,608 (2)	2,606 (-11)	591 (12)
Total Subscriptions	110,453 (609)	111,516 (320)	110,453 (609)

Most Popular Web Pages

July 2018	August 2018	September 2018
1. Transfer Station detail page	Transfer Station detail page	Transfer Station detail page
2. How Do I	Recycling, Trash and Yard Trim Programs – home	Webstore – 22-gallon bins
3. Recycling, Trash and Yard Trim Programs – home	How Do I	How Do I
4. Bulk Trash	Bulk Trash	Bulk Trash
5. DSWS home page	Holidays	DSWS home page
6. Collection Day Lookup	Collection Day Lookup	Paper Shredding
7. Paper Shredding	DSWS home page	Collection Day Lookup
8. Webstore – 22-gallon bins	Webstore – 22-gallon bins	Webstore – 22-gallon bins
9. Holidays	Webstore – Shopping cart	Webstore – Shopping cart
10. Webstore – Shopping cart	Paper Shredding	Webstore – Recycling bins and containers

ADDITIONAL RECYCLING

Product Recycled	July FY19	FY19 YTD	July FY18	July FY17
TVs and PCs	131 tons	131 tons	134 tons	161 tons
Propane Tanks	2 tons	2 tons	2 tons	3 tons
Textiles	7 tons	7 tons	6 tons	0 tons
Construction Materials (Don't Dump – Donate)	1 ton	1 ton	0 tons	0 tons
Vehicle Batteries	9 tons	9 tons	9 tons	12 tons
Scrap Metal	820 tons	820 tons	693 tons	830 tons

Product Recycled	August FY19	FY19 YTD	August FY18	August FY17
TVs and PCs	130 tons	261 tons	164 tons	167 tons
Propane Tanks	5 tons	7 tons	5 tons	4 tons
Textiles	7 tons	14 tons	8 tons	4 tons
Construction Materials (Don't Dump – Donate)	0 ton	1 ton	0 ton	0 ton
Vehicle Batteries	14 tons	23 tons	12 tons	12 tons
Scrap Metal	795 tons	1,615 tons	757 tons	779 tons

Product Recycled	September FY19	FY19 YTD	September FY18	September FY17
TVs and PCs	114 tons	375 tons	164 tons	134 tons
Propane Tanks	3 tons	10 tons	2 tons	2 tons
Textiles	6 tons	20 tons	6 tons	5 tons
Construction Materials (Don't Dump – Donate)	1 ton	2 tons	0 tons	0 tons
Vehicle Batteries	9 tons	32 tons	7 tons	10 tons
Scrap Metal	574 tons	2,189 tons	645 tons	769 tons

HAZARDOUS WASTE PROGRAMS

Household Hazardous Waste (HHW) Collection – There were a total of 34,141 patrons to the program in the first fiscal quarter. During normal business hours we had 32,308 patrons; after 5:00 p.m. we had 1,833 patrons.

Small Quantity Generator/ECOWISE Program – There were 33 ECOWISE participants in the first quarter that discarded 2.64 tons of business-related hazardous materials during the quarter.

WASTE REDUCTION

Bicycle Recycling – Approved non-profit organizations removed 18 tons of bikes in the first fiscal quarter for local use as well as shipment to countries worldwide.

Paint Reduction – There were 332 gallons of latex paint given to 31 residents, and 51 tons of latex paint donated to nonprofit organizations. During this quarter, we began a Frozen Paint Pilot Program. The paint is frozen in a Refrigerated Storage Container prior to being disposed of as MSW on the Tipping Floor. Sixty one (61) tons of paint were frozen and disposed of this quarter.

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 first 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 – During the quarter there were no reportable exceedances of air permit emission limits. On Wednesday, September 19, 2018, MDE performed a solid waste inspection of the facility.

TES Contract (RRF Weather Station) – All the instrumentation worked normally except for the wind direction that appears to have been impacted by lightning on August 7. Data recovery for all parameters except wind direction was 100 percent. Precipitation for the month of July 9.68 inches, August was 8.61 inches and September 11.00 inches.

WASTE REDUCTION AND RECYCLING

Public Education and Outreach –

- Staff from the Waste Reduction and Recycling Section and Recycling Program volunteers actively participated in 17 activities, events and training sessions reaching 11,769 people this quarter.
- Staff responded to nine (9) requests for information and printed materials on the County's waste reduction, reuse and recycling programs.
- Staff responded to seven (7) questions pertaining to the ban on the use and sale of expanded polystyrene food service products and packaging peanuts; forwarded 22 complaints regarding the use of expanded polystyrene food service products to the Recycling Investigators for follow-up and investigation.

- Staff and recycling volunteers actively participated in the 2018 Montgomery County Agricultural Fair, held from August 10 through August 18, 2018, answering questions and talking to 9,820 fair visitors about waste reduction, reuse, recycling, buying recycled, grasscycling, backyard composting and more.
- Staff scheduled a series of confidential paper shredding/recycling and clothing/household items reuse collection events this fall. The first event was held at Sherwood High School in Sandy Spring on Sunday, September 16. The results, and the remaining events scheduled are as follows:

Date	Location	Total amount of confidential paper shredded/recycled and cardboard recycled
9/16/18	Sherwood HS	21,940 lbs.
10/14/18	Damascus HS	15,110 lbs.
11/3/18	Walter Johnson HS	32,130 lbs.

- Staff provided an overview and answered questions pertaining to the Strategic Plan to Advance Composting, Compost Use, and Food Scraps Diversion to the Council's T&E Committee on July 12, 2018.
- Staff provided a presentation on food scraps diversion and participated in a panel discussion at the MES Environmental Business Leadership Conference on July 19, 2018.
- Staff created a new educational display for our education room at the Recycling Center, incorporating information regarding the addition of processing of mixed paper and cardboard. The new display was unveiled during Lt. Gov. Boyd Rutherford's visit to the Recycling Center on September 25, 2018.
- During late September, staff participated and answered questions from residents during three (3) open houses on the Division's Sustainable Materials Management Plan.

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 734 backyard compost bins to residents.
- Ensured that all 21 compost bin pick-up locations throughout the County had an adequate supply of compost bins by fulfilling 18 requests to restock supplies with additional compost bins.
- Responded to 26 requests for information or materials related to backyard composting/grasscycling.
- Distributed a survey on backyard composting and grasscycling to 12,500 single-family households to assess resident's handling of yard trim materials on-site.

Nearly 1,000 residents completed and returned the mail-in survey or completed the survey on-line.

Recycling Investigations Unit – Since the unit was established in 2005, 82,638 site visits and 8,186 formal investigations have been conducted. During this quarter:

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

# of Citations Issued	Reason for Citation	Citation issued to Business, Collector, Multi-Family Property, or Other
9	Failure to recycle required recyclable materials	Business
2	Failure to provide containers for required recyclable materials	Business
1	Failure to properly maintain the premises by permitting solid waste to be stored outside of approved storage containers	Business
1	Failure to properly maintain the premises by permitting solid waste to be stored outside of approved storage containers	Multi-Family
13	Total Number of Citations Issued	

Commercial Recycling and Waste –

- Staff from the SORRT (Smart Organizations Reduce and Recycle Tons) Program conducted 1,621 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 718 employees.
- Staff resolved 11 complaints and responded to 253 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
1,870	204

- The SORRT Program received a total of 557 Annual Business Recycling and Waste Reduction Reports covering Calendar Year 2018. The SORRT team continues to conduct field verifications of the annual recycling reports to ensure the accuracy of the data submitted.

Multi-Family Recycling and Waste Reduction –

- Staff from the TRRAC (Think, Reduce and Recycle at Apartments and Condominium) Program conducted 72 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 588 people.
- Staff responded to 88 requests for information and resolved 19 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
2,183	17	15

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 102 Recycling Program volunteers, some participating in multiple events, contributed almost 680 hours of their time to support waste reduction, reuse and recycling activities this quarter.

- Six (6) volunteers provided over 153 hours of office assistance.
- Fourteen (14) volunteers participated in seven (7) community events and provided almost 59 hours of direct service.
- Sixty-nine (69) volunteers contributed almost 417 hours of time staffing DEP's education and information exhibit during the 9-day Montgomery County Agricultural Fair (August 10-18, 2018). A total of 55 recycling volunteers attended one of two pre-fair volunteer training sessions.
- Eleven (11) volunteers contributed almost 50 hours of service during the paper shredding/recycling and reuse collection event on September 16, 2018.
- Two (2) Neighborhood Block and Building Recycling Captain volunteers provided education and information about waste reduction, reuse, recycling and backyard composting to four neighbors.
- Staff continued to recruit new volunteers. Fifteen (15) new volunteers and 28 volunteer applicants were recruited.
- Staff attended Fall volunteer fairs at each campus of Montgomery College (Rockville, Takoma Park/Silver Spring and Germantown).

- A total of 15 new recycling volunteers attended a volunteer orientation and training session to receive information about the County's recycling and solid waste programs and services.
- There are currently 491 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 in the EOB cafeteria.

- To date (November 1, 2011 – September 30, 2018), a total of 142.1 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 this quarter.

FACILITY ACTIVITIES

Resource Recovery Facility (RRF) –

RRF processed	163,375 tons / 1,776 per day
RRF tours	4
RRF exported power	91,788,000 kilowatt-hours to the power grid
Ferrous material recovered from ash	3,595 tons

There was 961 tons of bypass this quarter. Average boiler availability was 96% while the plant ran at 91% capacity based on steam flow.

The RRF went through its annual stack testing. The turbine was down to replace a bad bearing temperature sensor. In addition, the units were down to repair tube leaks, grate bars and an ash crane. There was a need to purchase 807 MWh of electricity this quarter.

Recycling Center – During the first quarter, the Recycling Center production continued 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 15,022 tons of recyclable material which were processed and/or exported to commodity vendors and processors under contractual agreements.

The recycling markets continued to be affected 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; however, the financial impact on the County's commodity rates seemed to level out and even saw an increase in some of the plastic commodities categories. The main effect of the China decision continued to be on our mixed paper marketing prices due to restricted access to overseas containers shipping exported materials to China.

Although the export of mixed paper was impacted, we had entered into a multi-month agreement to move our mixed paper through September of 2018, in order to minimize the potential impact to the County. Likewise, the County entered into a multi-year contract for our Old Corrugated Cardboard (OCC) and cardboard to be processed through domestic markets. These medium and longer-term agreements allowed us to guarantee that we would not encounter excess storage of baled material. During the first quarter, the facility shipped out 313 loads of baled paper totaling 7,079 tons and 133 loads of baled OCC totaling 2,888 tons; the fiber residue rate for the first quarter was approximately 4.5%.

The Commingled Material Line shipped out 2,572 tons of material during the first quarter; of that total 64% was glass or 1,646 tons. The Commingle Residue rate for the first quarter was approximately 35%. Due to system processing capacity limitations 225 loads, or 3,675 tons of commingled material were exported under cooperation agreements as well.

Regular and preventative maintenance programs continued on both the commingled and fiber 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 Commingle System incurred approximately 5.6% of System Downtime and the Fiber System incurred approximately 4.9% of System Downtime during the quarter. Collectively, our combined processing systems incurred approximately 5.3% of System Downtime. This downtime was primarily attributable to equipment maintenance and component failure.

Housekeeping efforts were increased and all equipment is routinely shut down approximately 15 minutes prior to the end of the shift to allow for work station and equipment clean-up. Pressure washing and painting activities commenced during latter part of the first quarter and will continue on a periodic basis throughout the year. Architectural upgrades were completed in the Administration Area and Education Area

Center. All areas were painted, ceiling tile replaced and new carpet installed in the Education Center. In addition, a new and updated educational display was installed in the Education Center.

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 low methane content (which has lessened). Scheduled routine maintenance for the engine genset(s) occurred in the 3rd Quarter 2018. APTIM submitted the emissions stack testing report for the LFGE facility in July 2018 to MDE.

Nature and Extent Investigation – DSWS continues to evaluate the NEI Comprehensive Report recommendations and available FY19 operating budget funding. Initial funding for planning efforts with a technical consultant (SCS Engineers) was included under Task Order #24 under an optional task, which was approved in FY19 and associated Purchase Order. DSWS anticipates the development of a preliminary project plan in 4th Quarter 2018.

Leachate Pretreatment Facility – Normal landfill leachate treatment and hauling of the pretreated leachate to the Transfer Station discharge point continues as needed. DSWS Leachate Pretreatment Facility O&M Contractor concluded testing of the influent and effluent leachate to compare against new WSSC discharge limits. Testing results indicate compliance with discharge limits. A modified WSSC discharge permit was issued and became effective October 1, 2018.

Groundwater Monitoring – The Spring 2018 semi-annual groundwater monitoring report was submitted to MDE in August 2018. The Fall 2018 semi-annual groundwater sampling event will be initiated in October 2018.

Gude Landfill

Landfill Gas – The Landfill Flare System is operational (including the gas collection system). DSWS's landfill gas contractor (APTIM) has developed a preliminary approach to address elevated methane gas concentrations in monitoring probe (W-18). The preliminary approach requires MDE approval, and to support the preliminary approach, the contractor is currently preparing a comprehensive update to the landfill gas management system drawings. DSWS anticipates the development of a preliminary project plan in 4th Quarter 2018. DEP continues weekly monitoring of the landfill gas probes.

Soil Stockpile Project – Soil stockpiling was initiated on July 19, 2018. Based on the schedule and available excavation sites, the Purple Line Contractor has hauled soil to the landfill from July – September 2018. During this period, approximately 1,585 loads of soil were stockpiled at the landfill, which equates to approximately 16,000 – 19,000 Cubic

Yards (CYs) assuming each truck has an average of 10-12 CYs per load. Through a contract with County DOT, the Construction Management/Inspection firm (Gannet Fleming) has been at the landfill site to document project activities.

Landfill Remediation Design Engineer Contract – Monthly Progress Meetings have occurred from July-September 2018. DEP scheduled the County Senior Level Management Briefing #2 for October 2018. DEP's technical consultant (EA Engineering) performed numerous Pre-Design activities including the Aerial Survey, Traffic Impact Study, Utility Locating, Geotechnical Investigation, and Landfill Gas Investigation. The technical consultant also prepared the initial grading and drainage plans for the remediation project and initiated the 30% Design, which is due in 4th Quarter 2018. DSWS Meeting #50 with the Gude Landfill Concerned Citizens (GLCC) was held in August 2018, and future meetings are scheduled on a monthly basis.

Groundwater Monitoring – The Spring 2018 semi-annual groundwater monitoring report was submitted to MDE in August 2018. The Fall 2018 semi-annual groundwater sampling event was initiated in September 2018.

Beantown Dump Project

DEP continues to perform quarterly methane gas monitoring of the eighty-eight (88) above grade venting wells, which are part of the County's passive gas venting system at the former Beantown Dump. The former Beantown Dump is located in proximity of Dover Road and East Gude Drive in Rockville, MD. DEP is currently preparing letters to each of the property owners of the former Beantown Dump to transmit DEP's methane monitoring results.

DEP continues to review historical methane monitoring data, perform research for potential equipment to support gas mitigation efforts, and anticipates the development of a preliminary project plan in 2nd Quarter 2019.

Solid Waste Transfer Station – Covanta shipped 163,375 tons of processible waste via rail from the Transfer Station for the first quarter of FY19 compared to 157,115 for the same period last year.

The inbound radiation detectors had 16 total alarms this quarter – 6 alarms by vehicles whose loads were identified as containing low levels of medical isotopes with short half-lives in the solid waste; and 2 alarms from a driver who had undergone recent medical tests. The Public Unloading Facility radiation detectors had 8 alarms.

Transfer Station Enforcement – Under Chapter 48 of the Montgomery County Code, a total of 98 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>	0	0	1	1
48/10	<i>Depositing solid waste at other than approved placed prohibited.</i>	0	0	2	2
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>	0	0	0	0
48-19(a)(2)(a)	<i>Improper or no tarps on resident vehicle</i>	32	2	0	34
48-19(a)(2)(b)	<i>Transporting solid waste without a canvas or tarp covering the load tightly Commercial</i>	17	6	0	23
48-19(a)(3)	<i>Person cannot engage in business of collecting or transporting solid waste without obtaining a license</i>	0	3	1	4
48-20(a)	<i>Un-permitted Vehicle of a Licensed Company</i>	0	1	31	32
48-20(c)	<i>3-inch high letters required on vehicle</i>	0	0	0	0
48-20(d)	<i>Unsafe Vehicle</i>	0	1	1	2
48-22	<i>Permit Required for Transporting trash from Out of State into County</i>	0	0	0	0
48-23	<i>Leaving Vehicle (Trash Truck) running unattended</i>	0	0	2	2
48-24(c)	<i>Container Standards must be maintained</i>	0	0	0	0
48-48(a)	<i>Recycle compliance by Recycler</i>	0	0	0	0
	TOTALS	49	13	36	98

Site 2 Landfill Properties – DGS Real Estate is in the process of preparing the Draper farm house to be rented. The Wasche Road house tenant left and DGS Real Estate is in the process of finding another tenant.

Yard Trim Compost Facility –

July, August and September	FY19	FY18
Materials composted in tons	11,915 tons	10,755 tons
Materials diverted to back-up composting facilities	0	0
LeafGro™ shipped	2,341 cu yds.	0 cu yds.
LeafGro™ bagged shipped to distributors (Each bag is 1.5 cubic feet weighing 45 lbs.)	97,550 bags	118,600 bags

OUT-OF-COUNTY HAUL

Old Dominion Landfill, Richmond, VA – Approximately 50,514 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 10,716 tons of non-processibles were sent to Greencastle, PA in this first quarter of FY19 compared to 4,686 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:

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 FY18, 57,355 tons of yard trim were received at the Dickerson facility.</p>
# Residences receiving trash collection by County contractors	91,915
# Residences receiving collection of recyclables in blue bins and yard trim collection	217,873
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
E&S	Erosion and Sediment
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
OCC	Old Corrugated Cardboard
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