



Status of the Maryland Used Oil Recycling Program 2024 Annual Report

Maryland Department of the Environment

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Prepared for:

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Maryland General Assembly

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EXECUTIVE SUMMARY

The Maryland Used Oil Recycling Program (the Program) is administered by the Maryland Department of the Environment (MDE) through a memorandum of understanding (MOU) with the Maryland Environmental Service (MES). The authority for the Maryland Used Oil Recycling Program is found in Section 5-1001 of the Environment Article of the Maryland Annotated Code, the *Maryland Used Oil Recycling Act*.

MES is responsible for implementing a statewide program for the construction, operation, and routine maintenance of used oil collection facilities; providing public education and outreach programs related to the disposal of used oil; and maintaining an information center to educate citizens regarding the proper disposal of used oil. Additionally, MES utilizes the collection sites for the collection of related recyclables, including used antifreeze and used oil filters.

MES also administers funding for the purpose of implementing supplemental environmental projects. Specifically, this grant funding is used to assist in the construction of rain shelters to minimize stormwater contact with the used oil collection tanks and is also used to fund the purchase of above-ground storage tanks for new sites, as well as replacements for older sites.

Since 1988, the Program has resulted in the collection and recycling of over 20.7 million gallons of used oil in the State of Maryland. Similarly, the Program has accomplished the collection and recycling of over 1.1 million gallons of used antifreeze from Maryland do-it-yourself automobile and boating enthusiasts.

In 2024, 467,452 gallons of used oil and 31,134 gallons of used antifreeze were collected from Program sponsored locations. Additionally, during this period, 128 drums of used oil filters were collected for recycling.



Brunswick Public
Works

INTRODUCTION

The 2024 Maryland Used Oil Recycling Program Annual Report is provided to the Maryland General Assembly as required by Section 5-1001(g) of the Environment Article, the *Maryland Used Oil Recycling Act*.

The Maryland Used Oil Recycling Program (the Program) is administered by the Maryland Department of the Environment (MDE) through a memorandum of understanding (MOU) with the Maryland Environmental Service (MES). MES designates used oil collection facilities, offers technical and financial assistance to establish collection facilities, routinely inspects and cleans Program-sponsored facilities, provides public education, operates an information center, and implements other non-regulatory provisions of the *Maryland Used Oil Recycling Act*. MDE and MES are pleased to provide the following report detailing the accomplishments, initiatives, and progress of the Program during CY24, as well as plans for CY25.

BACKGROUND

The Program was created by the *Maryland Used Oil Recycling Act*, which was enacted in July 1978. Initial start-up funding for the Program was allocated from energy funds. This funding enabled the creation of a program to assist the home mechanic with properly used oil disposal. Farmers and boat owners at marinas also used these facilities for their oil recycling.



MES purchased oil collection tanks, collection boxes, hardware, and signs. County and local governments were solicited to assist in establishing convenient and accessible used oil collection sites for citizens. A variety of collection sites were established. Most are located at government owned solid waste, public works, and road maintenance facilities.

The Program has been successful at recruiting and maintaining donor locations for several reasons: 1) the Program assumes the responsibility for disposing of any contaminated used oil; 2) opportunity for the Program to provide financial assistance for tanks and shelters; and 3) no cost collections for participants.

2024 PROGRAM UPDATES AND ACCOMPLISHMENTS

Since its inception in 1988, the Program has expanded from 44 collection sites to the current 142 operational sites and has recycled more than 20.7 million gallons of used oil over this time period. The collection of used oil from all Program locations yielded 467,452 gallons of used oil in CY24. This was a 2.9 percent increase from the 454,396 gallons collected in 2023. Historical used oil and antifreeze annual collection results are summarized in graphs at the end of the report. Spreadsheets of the detailed used oil and antifreeze collection records for the participating Program sites are attached as well (Appendix A).

Key Updates and Accomplishments

- Collected and recycled 467,452 gallons of used oil.
 - Increase of 2.9% from 454,396 gallons in 2023.
- Collected and recycled 31,134 gallons of used antifreeze.
 - Increase of 36% from 22,869 gallons in 2023
- Collected and recycled 128 drums of used oil filters.
 - Decrease of 25% from 161 drums in 2023
- Frederick Recycle received a new used oil tank and maintenance upgrades on the existing tanks to resume the 1,000+ gallons of used oil recovered each week.
- Brunswick Public Works added another collection site with new tanks installed for used oil and antifreeze.
- Hancock Transfer Station received two new used oil tanks and antifreeze drums with a complete cleaning of the containment areas.
- Allegany County Transfer Station received new antifreeze drums.
- Somers Cove Marina upgraded the three recovery locations on-site with containment cleanings, new signs, stickers, oil level gauges, and tank paintings.
- New signs for acceptable and unacceptable materials were installed at multiple sites throughout the state, with new tank stickers at over fifty sites.
- Containment and tank cleanings at all sites in Prince George's, Carroll, Washington, Cecil, Frederick, Talbot, Kent, Somerset, and Dorchester Counties.
- Performed six (6) emergency cleanings of secondary containment areas due to spillage in Harford, Prince George's, and Talbot Counties.
- Performed five (5) major cleanings of containment areas and oil tanks (inner and outer) from spillage and sludge build-up in Frederick, Carroll, Washington, and Talbot Counties.
- Updated multiple sites with new spill pallets, level gauges, metal and magnetic signs and stickers, antifreeze drums, and oil tanks.
- Performed supplementary cleaning and maintenance at Program-sponsored locations during the year.
 - Eight (8) sites in Harford County were inspected and cleaned twice a week with monthly reports to County officials.
 - Tank repairs, replacement, and painting, major containment cleanings, and sign replacement at more than 50 sites.
 - Enhanced cleaning to continue in 2025 using the mobile cleaning unit.



Flinstone

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Administration

The total cost for MES to implement the program in FY24 was \$244,065.41. The collection contract provides revenue per gallon for collected oil based on a federal commodity index. In FY24, the program was completely self-funded by commodity revenue.



Aberdeen Public
Works

Operation and Maintenance

Good housekeeping is critical for spill control and to prevent contamination. As part of its management of the Program, MES has conducted on-site audits of all Program-sponsored collection facilities to ensure that sponsors, recycling coordinators, site supervisors, and site operational staff are aware of their pollution prevention responsibilities. Additionally, MES staff conducted routine cleaning and maintenance, as necessary, to assist the site hosts in maintaining environmental compliance. During CY24, MES performed supplementary cleaning and maintenance at the vast majority of Program sponsored locations.

To reduce costs associated with cleaning and water recovery completed by private contractors, MES developed a mobile cleaning trailer for use at oil collection sites. The trailer, equipped with a power washer, water tanks, and a water recovery system, allows MES staff to thoroughly clean collection sites and recover the resulting oily water. The mobile cleaning trailer was deployed throughout CY24 for enhanced cleanings and oily water recovery, resulting in significant savings to the used oil program when compared to 3rd party contractor cleanings.

MES continually reminds all site hosts that they are responsible for providing day-to-day monitoring and housekeeping of the tanks. MES staff provides assistance with housekeeping and compliance as needed, based on the results of the routine site inspections. MES maintains a small full-time staff to conduct routine site audits and assist with site maintenance and cleaning. Sites are upgraded, as needed, to improve capacity or operational performance.

Given the concern over proper disposal of used oil, contaminated oil, and unauthorized dumping of trash and hazardous materials, MES continues to urge site hosts to remain in the Program. Because used oil can be easily contaminated with polychlorinated biphenyls, brake cleaning fluids, and other readily accessible chemicals, MES and MDE concur that citizens are better served by local governments staying within the established Program.

Public Outreach

MES and MDE each maintain a webpage with information related to the Program:

MES's webpage - menv.com/service/used-oil-antifreeze-recycling/

MDE's webpage - mde.maryland.gov/programs/Land/OilControl/Pages/UsedOilProgram.aspx

From the MES webpage, Marylanders can find the public information number **800-4RECYCLE** (800-473-2925) and an email address to inquire about the proper disposal of used oil and antifreeze. MES also has a listing of collection sites by county. Hundreds of calls were made to the public information number in 2024, with most callers requesting information on used oil collection locations and the proper disposal/recycling of waste materials.

During CY24, information was provided to the public about the importance of proper handling, disposal, and recycling of used oil and antifreeze via social media and websites.

PLANNED ACTIVITIES FOR 2025

THE FOLLOWING ACTIVITIES ARE PLANNED FOR THE PROGRAM IN CY25, CONDITIONAL ON THE AVAILABILITY OF APPROVED FUNDING.

Administration

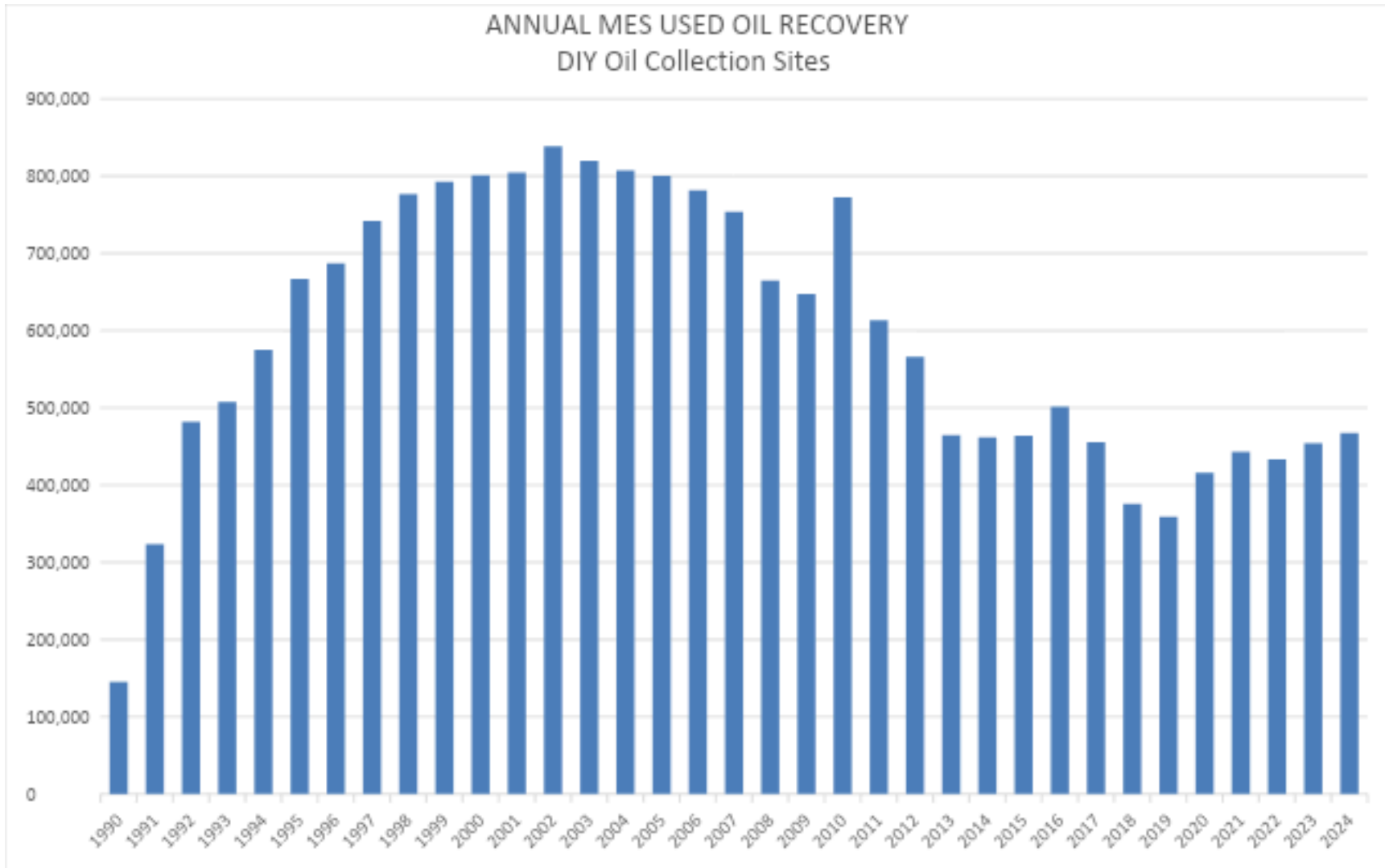
- Continue to fund the Program if oil collection revenue does not cover Program costs.
- Continue to implement the Program.
- Manage the oil collection subcontract to ensure conformance with contract terms and conditions.
- Continue the grant program providing financial assistance to upgrade existing sites.

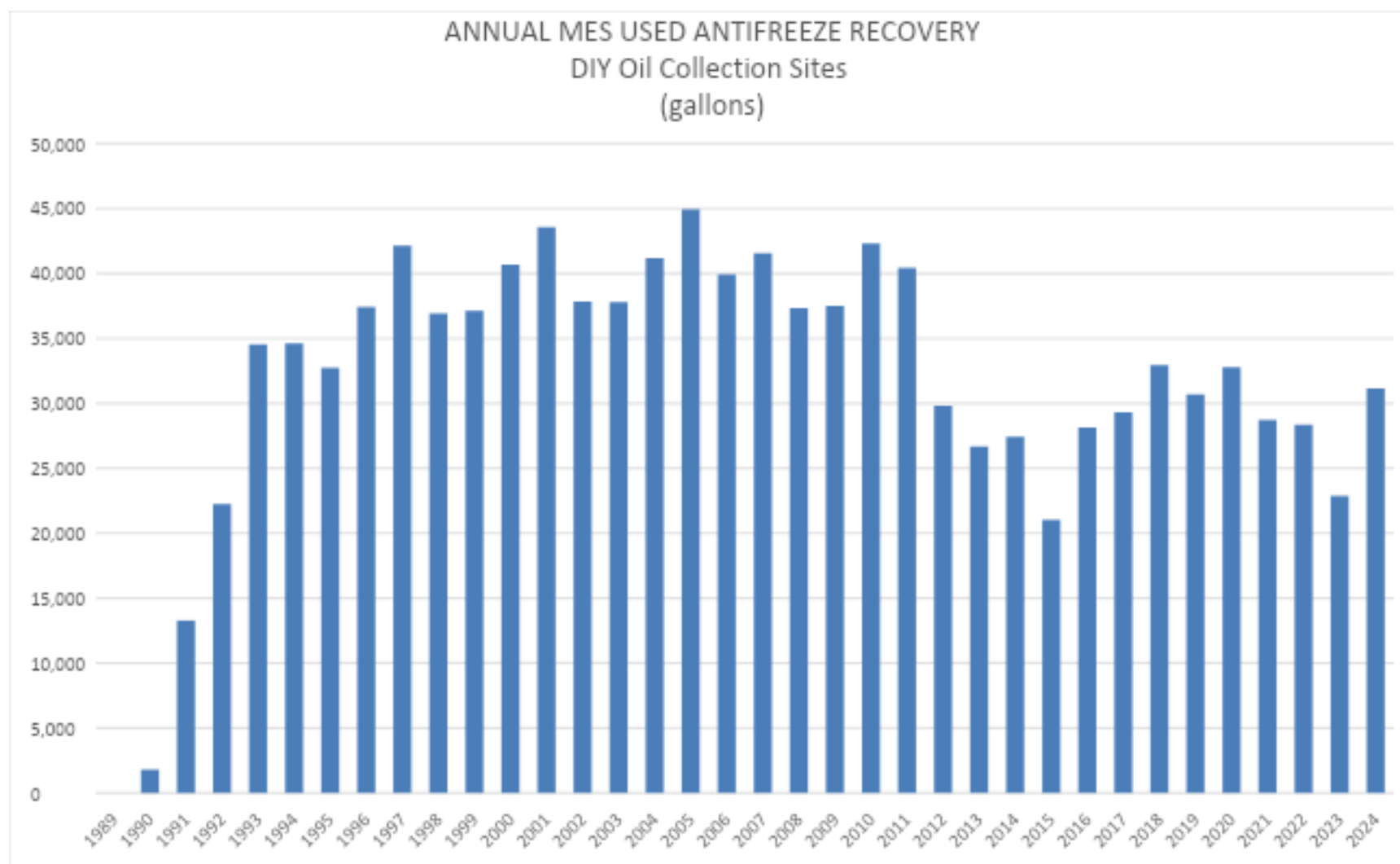
Operation and Maintenance

- Continue annual inspections of participating sites to ensure continued protection of the environment.
- Continue the routine maintenance and cleaning program.
- Continue the tank upgrade program by replacing single-wall 275-gallon tanks with new double-wall tanks.
- Explore ways to improve automated monitoring of participating sites to deter abuse of the facilities.

Public Outreach

- Continue updating and linking the used oil recycling pages at www.menv.com.
- Continue public outreach and education at local county events.
- Send annual program reports to statewide solid waste managers and recycling coordinators.
- Continue membership in the Association of Responsible Recyclers while updating Program participants and citizens with current information, issues, and trends within the industry.
- Explore additional ways to market the Program to the public.





APPENDIX A
USED OIL and ANTIFREEZE COLLECTION DATA
2024

Maryland Environmental Service														
2024 Used Oil Collection Report (gallons)														
County	Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Allegheny County	Allegheny County Road's	242		194	87	112		82		230	118		118	1,183
	Allegheny County SWTF	145		112		116		97		134	42			646
	Allegheny County Transit			145		39				66	37			287
	Flintstone SW Collection	262		97		124				179	210			872
	Mountainview LF	485		417	456	853	388		436	577	297		422	4,331
	Penn Mar Recycling	630		630	582	630	412		703	759	469		516	5,331
Anne Arundel County	Thomas B. Finan Center													0
	Annapolis Landing Marina				242		224		204					670
	Casa Rio Marina			242		252					281	259		1,034
	Crownsville- Maint	100		204										304
	FAA at BWI					160								160
	Magothy Marina						242							242
	Mears Marina													0
	Port Annapolis				223		213				238			674
	White Rocks Marina			293			141				267			701
Baltimore City	Hidden Harbor Marina								485					485
	Rhode River Marina			320							436			756
	Eastern Sanitation Yard		272	145		242		291	174			383		1,507
	Northwest Sanitation Yard			262			242		194		286		241	1,225
	Northwest Transfer Station											485		485
Baltimore County	Quarantine Road Landfill	165	245	216	145		120	291	145			179		1,506
	Western Sanitation Yard		100			218		291						609
	Bowley's Marina				155		165				193		262	775
Caroline County	Holly Collection Site	548	608	708	1183	698	737	669	659	679	966	600	586	8,641
	Melville Collection Site					291	121					267	349	1,028
	Midshore II Regional Landfill		265		388			412		349	145		1682	3,241
	Old Denton Collection Site					291	121						466	878
	Preston Collection Site		267				252				262		175	956
	Denton Dept Public Works													0
Carroll County	Carroll County Fleet	750			1135					1491			1083	4,459
	Manchester Town Garage	485	400	400	786	402	420	514	533	429	536	422	649	5,976
	City of Taneytown Recycling	242	310	170	238	544	194	310	320	171	570	202	178	3,449
	Hampstead Town Maintenance	376	339	145	329	295	200	339	339	482	319	431	312	3,906
	Freedom WWTP			291										291
	Northern Landfill	1600	2184	2158	3636	3177	2723	3080	2620	2734	3137	2931	2479	32,459
	Westminster PW	225	395	170	484	727	310	485	655	542	661	502	644	5,800
	Town of Sykesville	502	630	655	679	946	601	1018	727	619	822	762	727	8,688
Cecil County	Cecil County Central Landfill	1025	1350	925	2050	1650	2175	1050	1344	1825	1150	1250	1000	16,794
	Locust Point Marina										175			175
	Stemmers Run TS	250		300		350		350		325		300		1,875
	Town of Elkton Public Works		339		200		485	245	97		194		250	1,810
	Woodlawn Transfer Station	425	450	300	750	650	600	550	550	400	500	300	200	5,675
	Bohemia Vista Marina			184				107				285		576
Dorchester County	Beulah Landfill	715		388			485			485			466	2,539
	Cambridge WWTP				194		242	291	107		155			989
	City of Cambridge Public Works	300	339	436		145	121	242	121	310	172	478	121	2,785
	Golden Hill Landfill			170				145		121			218	654
	Secretary Transfer Station		242	184		484	112		277	97	79	161	218	1,854
Frederick County	Brunswick PW Garage	194												194
	Brunswick DPW		235	165	194	315	301	422	451	498	511	404	295	3,791
	Brunswick Police/PW					73						118		191
	Mt. Airy Maintenance Facility	538	993	1433	1471	1470	1405	1170	1451	1345	2173	1288	1122	15,859
	Frederick County Recycling	1212	1672	2206	2219	2279	2309	2279	3007	2267	2335	2043	1706	25,534

County	Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Garrett County	Bumble Bee	165			242			436		273			388	1,504
	Garrett County Landfill	125			218			339		388			238	1,308
	Garrett Highway Site	220			291			485		204			315	1,515
	Kings Run Site	230			339			436		361			278	1,644
	Route 135	165			218			291		380			207	1,261
Harford County	Town of Grantsville	285			403			611		525			565	2,389
	Abingdon Highway Shop	291	350	295	510	410	350	555	200	606	250	500	400	4,717
	Aldino Highway Shop	662	685	550	810	625	700	675	756	751	694	975	425	8,308
	City of Havre De Grace WW		245			350	350				475		325	1,745
	Jarrettsville Highway Shop	986	1410	1225	1860	1125	1200	1225	1387	1503	1339	1150	900	15,310
	Joppatowne WWTP	230	310	410	545	540	460	180	150	582	225	250		3,882
	Nonsville Library Park&Rec	265	490	305	325	450	250	100	442	437	475	350	100	3,989
	Scarboro Landfill	781	900	750	1310	1300	1250	1010	1506	1096	1525	1050	700	13,178
	Sod Runn WWTP													0
	Town of Aberdeen PW	175	300	165	300		800	205		679	150	200	125	3,099
	Town of Bel Air PW	610	850	555	770	930	1275	925	750	1624	769	1425	450	10,933
	Whiteford Highway Shop	582	540	510	725	640	975	700	840	776	914	750	500	8,452
Kent County	Duck Puddle Drop Off			242					223				318	783
	Haven Harbour Marina													0
	Haven Harbour South											275		275
	Lankford Bay Marina						145							145
	Nicholson Drop Off	582	652		785	242	436	339	485	388	509	426	469	5,313
	Rock Hall Landing Marina													0
Prince George's County	Sharptown Drop off			228					247	97			136	708
	Cheltenham WWTP								90					90
	City of Greenbelt DPW	330	350	910	625	700	1400	900	700	1146	881	679	709	9,330
	City of Hyattsville DPW		85	25	75	190	50	200	100			150		875
	City of Laurel DPW	395	1206	626	440	1351	746	868	962	552	790	880	515	9,331
	City of New Carrollton DPW	365	485	950	410	940	600	875	900	775	583	837	736	8,456
	Town of Cheverly													0
	Town of Riverdale Park	105	20	90	200	100	250	120	100	195	297	197		1,674
Queen Anne's County	PG County MRF													0
	Batts Neck Transfer Station	242	291	218	194	592	252	349	242	213	359	76	419	3,447
	Centerville Transfer Station	242	438		775	436	349	200	242	242	727	395	148	4,194
	Church Hill Transfer Station	233	129		364		194	121	155	242	320	242	144	2,144
	DNR Police/Marina	126					204						179	509
	Grasonville Transfer Station	480	121	242	218	436	209	242	218	320		328	233	3,047
	Glandring Transfer Station	194	88		659	121	194	320	121	194		313	227	2,431
	Piney Narrows Yacht Haven				242						267		267	776
Somerset County	Queen Anne's Pub landing	485	456	587	557	713	436	640	412	466	950	346	511	6,559
	Chance Transfer Station		141		126	242		100		179		267		1,055
	City of Crisfield DPW													0
	Dublin-Costen TS		155		58		97			218		92		620
	Marion-Crisfield TS	339	126	388	218	291	310	100	339	242	315	223	342	3,233
	Mt Vernon Transfer Station		310	145	116	306	145	200	242	407	112	195	217	2,395
	Somers Cove Marina		461			385			242					1,088
	Somerset County Landfill		136		155	272		150		112		200		1,025
St Mary's County	Somerset County Roads Dept	2716												2,716
	Eastern Correction Institute				262									262
	Charlotte Hall Conv Center	750	1043	1665	963	1069	1391	965	1546	1018	843	727	1548	13,528
	Clements Conv Center	600	689	826	929	789	1189	615	966	839	596	514	1219	9,771
	Maryland Intern Raceway						506				1155	1086		2,747
	Oakville Conv Center	465	744	689	702	683	901	470	890	533	689	533	996	8,295
	Ridge Conv Center	300	323	411	308	421	476	271	625	388	373	171	322	4,389
	St Andrew Conv Center	895	963	1445	1329	1046	1792	1093	1574	824	1211	824	1409	14,405
St Mary's County	St Andrew Vehicle Main		385		212	211	122	109	178	358	170		217	1,962
	Valley Lee Conv Center	320	469	838	524	652	864	379	642	495	565	534	715	6,997
	St Mary's Airport						237					267		504

County	Location	January	February	March	April	May	June	July	August	September	October	November	December	Total
Talbot County	Bellevue Landing	50	126	58		112	126	106		107	59	87		831
	Dogwood Harbor	280	281	136	223	145	136	431	242	223	374	197	132	2,800
	Midshore Regional Landfill	255	112	116	252	484	175	272	194	242	201	281	199	2,783
	Neavitt Landing	85	126	92		213		58	155		97	85	90	1,099
	Oak Creek Landing	125	140	233	504		194	267	339	262	326	134	252	2,776
Washington County	Trappe Landing	115	63	233	267	82	63	68	116	116	215	139	144	1,621
	Dargan Transfer Station		194		116			242		138				690
	Greensburg TS		339	175	242	267	194	324		412	418		345	2,716
	Hancock Landfill	87			97			223		171			207	785
	Kaetzel Transfer Station	213	68	170	272	242	170	291		329	147	168		2,070
	40 West Landfill	1047	145	1552	649	737	558	892	455	1146	828	971	622	9,602
Wicomico County	Town of Boonsboro				436						494			930
	Airport Conv Center	136	145	112	68	97	121	97	194		133	134	87	1,324
	Bivalve Conv Center	136			116			48	112			130		542
	Delmar Conv Center		112		218	112	48	82	184		173	85	78	1,092
	Fruitland Conv Center		223	97	131	112		194	364	116	267	152	87	1,743
	Hebron Conv Center		116			233		194		107		122		772
	Mardela Springs Conv Center	78	39		107	87		194			112	112	134	863
	Newland Park LF Conv Center	825	789	843	902	873	800	1406	1358	1222	2010	745	1255	13,028
	Parsonsborg Conv Center	145	126	175	131	116	112	213	194	242	201	152	128	1,935
	Quantico Conv Center					112	107	73				138		430
	Salisbury Wicomico Regional													0
	Sharptown Conv Center	48			97	97	48	175				71		536
Worcester County	Wango Conv Center	155	145	116	82	112		209	82	116	133	85	85	1,320
	Wicomico Co. SW & Recycling									582				582
	Berlin Conv Center	335	193	397	426	485	344	252	358	455	543	291	267	4,346
	Central Landfill	378	87	698	194	126	48	100	267	97	291	272	105	2,663
	Pocomoke City Conv Center	165		97	145		339		116		175	155		1,192
	Snow Hill Conv Center	121	97	58	126	87		105	121	126	194	170		1,205
	Worcester County DPW	131		165	68	97	291	60	242	73	116	114		1,357
	Worcester County WWTP	126			116		116						298	656
		January	February	March	April	May	June	July	August	September	October	November	December	2024 Totals
Total Gallons		32388	31647	35478	44123	41119	41214	39202	39009	44121	43772	36467	38912	467,452