



Maryland

Department of the Environment

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor

Ben Grumbles, Secretary
Horacio Tablada, Deputy Secretary

February 16, 2018

The Honorable Mike V. Miller, Jr., President
Senate of Maryland
State House, H-107
Annapolis MD 21401-1991

The Honorable Michael E. Busch, Speaker
House of Delegates
State House, H-101
Annapolis MD 21401-1991

The Honorable Joan Carter Conway, Chair
Senate Education, Health and
Environmental Affairs Committee
Miller Senate Office Building
2 West Wing
11 Bladen Street
Annapolis MD 21401-1991

The Honorable Kumar P. Barve, Chair
Environment and Transportation Committee
House of Delegates
House Office Building, Room 251
6 Bladen Street
Annapolis MD 21401-1991

Dear President Miller, Speaker Busch, Chairs Conway and Barve:

As required in Section 5-1001 of the Environment Article, Annotated Code of Maryland, I am enclosing a copy of the 2015 report on the Maryland Used Motor Oil Recycling Program.

If the Department can provide you with any additional information, please contact me or Ms. Hilary Miller, Director of the Land and Materials Administration, at 410-537-3304 or via email at hilary.miller@maryland.gov.

Sincerely,

Ben Grumbles
Secretary

Enclosures

cc: Sarah Albert, Department of Legislative Services, Mandated Report Specialist
Hilary Miller, Director, Land and Materials Administration



MARYLAND

Department of the Environment

**MARYLAND USED MOTOR OIL
RECYCLING PROGRAM
(Calendar Year 2014 Data)**

Prepared by:

Oil Control Program
Land and Materials Administration

Prepared for:

Senate Education, Health, and Environmental Affairs Committee

House Environment and Transportation Committee

Thomas V. Mike Miller, Jr., Senate President
Maryland General Assembly

Michael E. Busch, House Speaker
Maryland General Assembly

FEBRUARY 2018



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Lawrence J. Hogan, Jr., Governor | Boyd K. Rutherford, Lt. Governor | Ben Grumbles, Secretary



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EXECUTIVE SUMMARY

The Maryland Environmental Service (MES) administers the Maryland Used Oil Recycling Act through an Intergovernmental Agency Agreement (IGA) with the Maryland Department of the Environment (MDE). The Used Oil Recycling Act is found in Section 5-1001 of the Environment Article of the Maryland Annotated Code. MES is responsible for implementing a statewide Program for the construction, operation, and the routine maintenance of used oil collection facilities; providing public education and outreach programs related to the disposal of used motor oil; and maintaining an information center to educate citizens regarding the proper disposal of used motor oil. Additionally, MES utilizes these used motor oil collection sites for the collection of related recyclables including used antifreeze and used oil filters.

MES also utilizes funding from the MDE for the purpose of implementing supplemental environmental projects. Specifically, this grant funding is used to assist in the construction of “rain shelters” to minimize storm water contact with the used motor 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 MES and MDE partnership has resulted in the collection and recycling of over 16.3 million gallons of used motor oil in the State of Maryland. Similarly, the Program has accomplished the collection and recycling of over 860,000 gallons of used antifreeze from Maryland Do-It-Yourself automobile enthusiasts. The antifreeze is currently collected and shipped to a recycling facility where it is filtered, distilled, and reformulated into automotive antifreeze and industrial ethylene glycol.

During the current calendar year, MES collected 461,519 gallons of used motor oil and 27,444 gallons of used antifreeze from Program-sponsored locations. Additionally, during this period, MES added used oil filter collection service at select Program-sponsored locations, resulting in the collection and recycling of 196 drums of used oil filters.



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MARYLAND USED OIL RECYCLING PROGRAM

2014 ANNUAL REPORT

INTRODUCTION

The 2014 Used Oil Recycling Program Annual Report is provided to the Maryland General Assembly as a requirement of Section 5-1001(g) of the Environment Article.

The Maryland Environmental Service (MES), an independent agency of the State of Maryland, is responsible for the administration and implementation of the Maryland Used Oil Recycling Program through an Intergovernmental Agency Agreement (IGA) with the Maryland Department of the Environment (MDE). Program management includes the designation of used oil collection facilities, technical and financial assistance to establish collection facilities, routine inspection and cleaning of Program-sponsored facilities, public education, operation of an information center, and implementation of other non-regulatory provisions of the Maryland Used Oil Recycling Act. MES is pleased to provide the following report detailing the accomplishments, initiatives and progress of the Program during the past year as well as proposed plans for calendar years 2015 - 2016.

BACKGROUND

The Maryland Used Oil Recycling Law was enacted in July 1978. Initial program start-up funding was allocated from energy funds. This funding enabled the Service to create a program to assist the home mechanic or Do-It-Yourselfer, with proper used motor oil disposal. Farmers and boat owners at marinas also had need of these facilities for their 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) free collection service of used motor oil; 2) Program-provided financial assistance for tanks and shelters; and 3) the Program assumes the responsibility for disposing of any contaminated used oil.

The Used Oil Recycling Program was established primarily to respond to market forces that changed the economic dynamics of automobile service stations. In the past, service stations took used motor oil from individuals that changed the oil in their own cars and trucks. Now, many of the local service stations sell milk and bread – not automobile-related maintenance or repair services.

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Maryland's Do-It-Yourself automobile mechanics and enthusiasts needed a reliable and responsible alternative to recycle used motor oil.

USED MOTOR OIL COLLECTION PROGRAM

Collection of used motor oil from all statewide, Program-participating locations yielded 461,519 gallons of used motor oil in calendar year 2014. Since 1988, the Program has expanded from 44 collection sites to the current 132 operational sites and has recovered more than 16.3 million gallons of used motor oil. Used motor oil and antifreeze collection results are summarized at the end of the report. Copies of the detailed used motor oil and antifreeze collection records for the participating Program sites are attached as well.

Key calendar year 2014 Program accomplishments include the following:

- ☑ Collection of 461,519 gallons of used motor oil from Program-sponsored locations;
- ☑ Collection of 27,444 gallons of used antifreeze from Program-sponsored locations;
 - Added antifreeze collection service to a number of Program-sponsored locations
- ☑ Added used oil filter collection service to a number of Program-sponsored locations;
 - Collected and recycled 196 drums of used oil filters
 - Working to expand Program state-wide
- ☑ Continued participation of 132 Program-sponsored collection locations throughout the State;
- ☑ Added new collection sites to the Program;
 - Added new site in Anne Arundel County
- ☑ Repaired / upgraded rain shelters;
 - Constructed new rain shelter at Hidden Harbour Marina in Anne Arundel County
 - Constructed new rain shelter at Bohemia Vista Marina in Cecil County



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- Repaired / upgraded secondary containments;
 - Landfill liner was removed from the secondary containment and properly disposed of by Queen Anne's County; asphalt millings replaced the liner, then portable spill pallets were installed at the Centreville Transfer Station
 - Repaired the catwalk and added non-slip surface paint at the Town of Sykesville in Carroll County
 - Portable spill pallets added to sites in St. Mary's and Kent Counties
- Upgraded and replaced older above-ground storage tanks;
 - Replaced an older 275 gallon single-wall tank with a new 500 gallon double-wall tank at Hidden Harbour Marina in Anne Arundel County
 - Replaced three older 275 gallon single-wall tanks with three new 300 gallon double-wall tanks at the Town of Sykesville in Carroll County
 - Replaced two older 275 gallon single-wall tanks with a new 500 gallon double-wall tank at the Town of Bel Air DPW in Harford County
 - Upgraded the 55-gallon antifreeze drums to a new 240 gallon double-wall tank at the Centreville Transfer Station in Queen Anne's County
- Performed supplementary cleaning and maintenance at 65 Program-sponsored locations during the year;
 - Eight Harford County sites are cleaned twice weekly
- Hazardous waste removed from 6 sites;
- Working to expand used motor oil collection Program within the State;
- Continued to maintain and update the used motor oil and antifreeze website that provides information regarding all Program-sponsored locations;
- Continued to maintain and answer the Public Information Number 800-4RECYCLE (800-473-2935) in response to citizen inquiries concerning proper used motor oil and antifreeze disposal and the nearest collection site;
- Performed annual inspections at all Program-sponsored locations during the year. Many sites were inspected on more than one occasion. MES conducted over 233 inspections.

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With the Chesapeake Bay, Maryland boasts a large boating community. To serve the needs of Maryland's boating community, MES continues to provide collection sites at designated public marinas. Additionally, several private marinas throughout the State also participate in the Program.

Good housekeeping practices are important aspects of spill control and contamination prevention. As part of the administration of the Program, MES has conducted on-site audits of all Program-sponsored collection facilities to assure 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 the 2014 calendar year, MES performed supplementary cleaning and maintenance at 65 Program-sponsored locations.

Although there were no noted incidents of non-compliance with any sites over the last year, the Program continually reminds all site hosts that they are responsible for providing day-to-day monitoring and housekeeping of their tanks. MES staff provides assistance with housekeeping and compliance, as needed, based on the results of the routine site inspections. MES maintains a full-time staff to conduct routine site audits and assist with site maintenance and cleaning. Sites are upgraded, as needed, to increase compliance and minimize the potential for impacts to the environment.

Currently, there are a total of 132 participating program collection sites. There has been a decrease in the amounts collected over the past several years, which can in part be attributed to local governments withdrawing from the Program for prospects of financial gain. Other factors may be the increase in use of longer lasting synthetic oils; commercial establishments offering recycling services; auto service centers specializing in oil changes and routine maintenance that are convenient and reasonably priced; and possible theft of oil. Given the constant concern over contaminated oil and abuse of the sites by some individuals, including unauthorized dumping of trash and hazardous materials, MES continues to urge site hosts to remain in the Program. Due to the fact that the used oil can be easily contaminated with PCBs, brake cleaning fluids, and other readily accessible chemicals, MES and MDE feel that citizens are better served by local governments staying within the established Program.



In an effort to combat theft, MES has purchased and placed surveillance cameras at several sites. While they have not yet detected a theft, MES will continue to use the cameras at various sites. MES is also considering other methods to deter thefts, such as placing locking caps on the tanks.

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PUBLIC OUTREACH

MES continues to maintain the Public Information Number **800-4RECYCLE** (800-473-2935) in response to citizen inquiries concerning proper disposal of used oil and antifreeze and the location of the nearest collection site, as part of our Recycling Information Center. The Program received 819 calls in 2014 with the majority of callers requesting information on used oil collection locations. This resource provides the public information regarding the recycling of various household wastes. MES monitors NORA, formerly the National Oil Recyclers Association, now known as the Association of Responsible Recyclers (<http://www.noranews.org/>), a trade group representing over 200 companies in the liquid recycling industry.

Collection reports, a current list of participating collection sites, newsletter publications, and supporting documentation are posted and maintained on the MES web site – www.menv.com. During the 2014 calendar year, brochures providing information to the public about the importance of proper handling, disposal, and recycling of used motor oil and antifreeze were given to County and local recycling coordinators for distribution and were circulated at local recycling trade shows and conferences.

PLANNED ACTIVITIES FOR 2015 AND 2016

Planned activities for calendar years 2015 and 2016 include, but are not limited to the following:

Public Outreach

- Continue updating and linking the used motor oil recycling pages on the MES web site – www.menv.com
- Continue the MES membership in NORA while updating Program participants and citizens with current information, issues, and trends within the industry
- Present Program updates to statewide solid waste managers and recycling coordinators
- Continue public outreach and education at local county events
- Explore additional ways to market the Program to the public

Operation and Maintenance

- Continue the annual auditing and inspection of all Program-participating sites in order to ensure continued protection of the environment (copies of all audits are maintained at the MES headquarters)

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- Continue the routine maintenance and cleaning program to ensure the continued safe operation of the Program-participating sites
- Continue the tank upgrade program by replacing single-wall 275 gallon tanks with newer, more environmentally sound double-wall tanks
- Explore adding additional used oil DIY locations in highly populated counties
- Explore ways to deter theft of oil

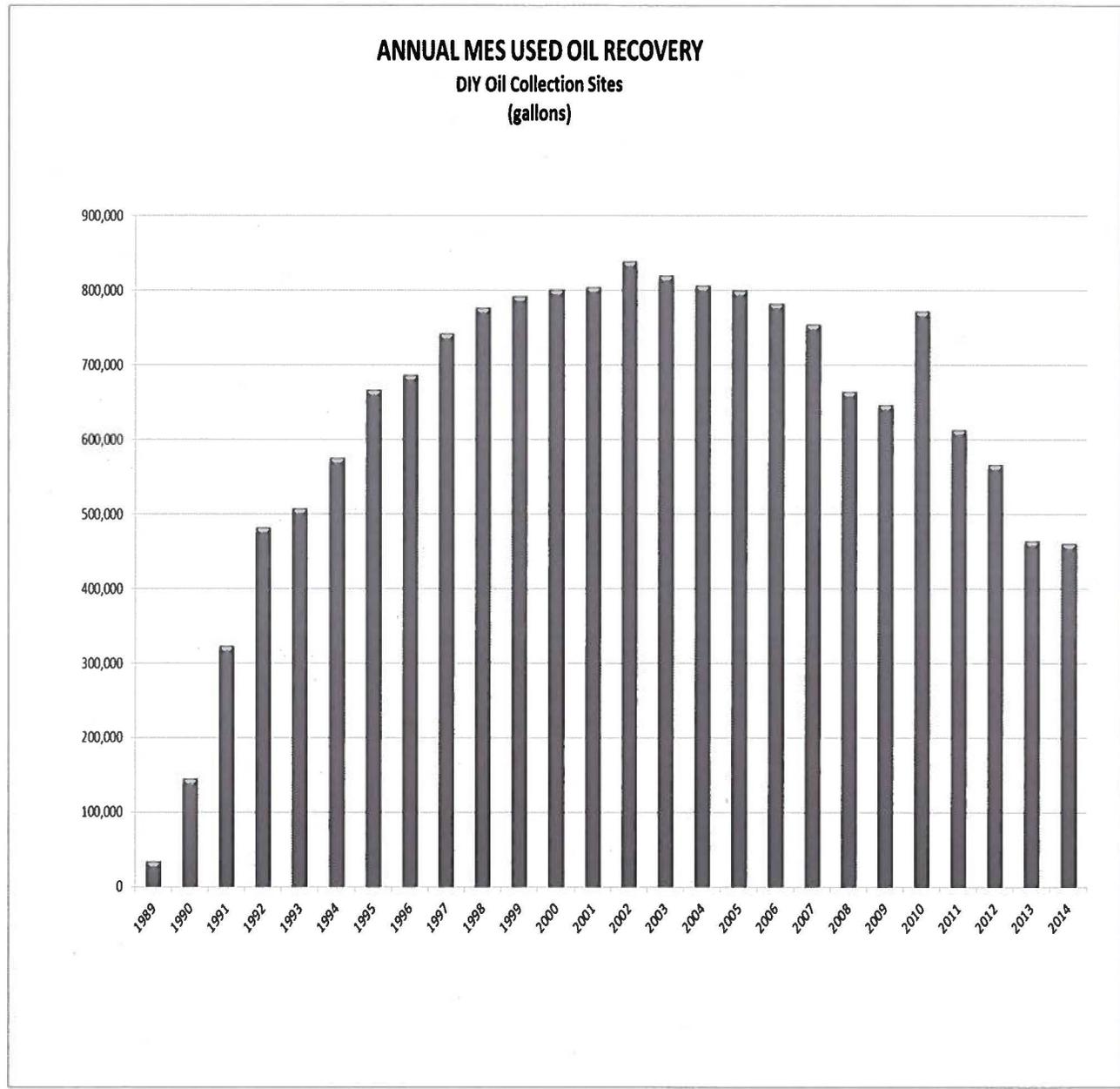
Administration

- Continue the grant program to assist in funding the construction of new sites and the upgrading of existing sites
- Continue to expand the used oil filter collection program to other sites throughout the State to address this associated waste stream



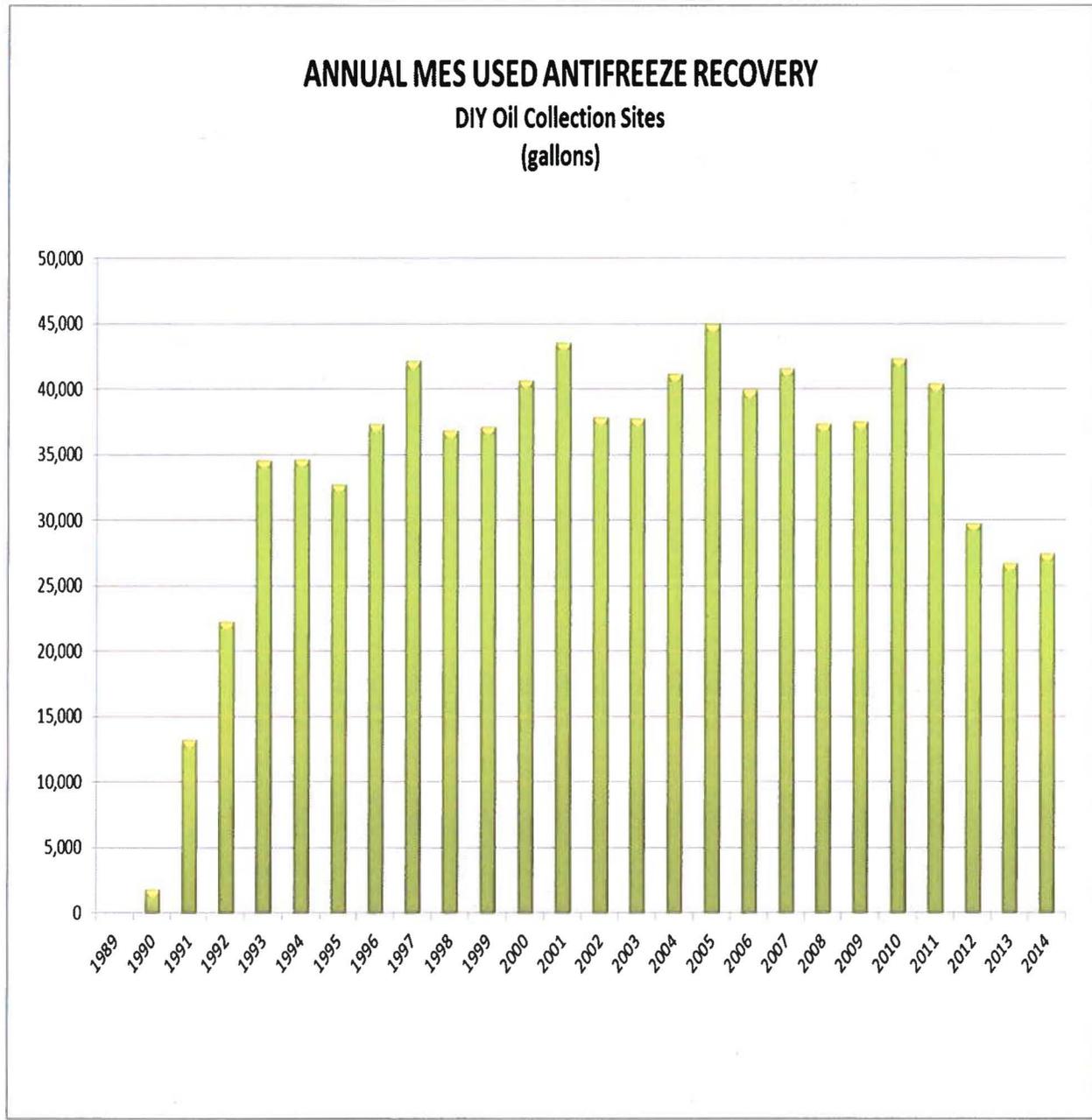
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USED MOTOR OIL COLLECTION SUMMARY



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USED ANTIFREEZE COLLECTION SUMMARY



DETAILED USED MOTOR OIL COLLECTION DATA



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DETAILED USED ANTIFREEZE COLLECTION DATA

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