

2010 Annual Report

MARYLAND USED OIL RECYCLING PROGRAM

2010 ANNUAL REPORT

EXECUTIVE SUMMARY

The Maryland Environmental Service (the Service) administers the Maryland Used Oil Recycling Act through the Intergovernmental Agency Agreement (IGA) with the Maryland Department of the Environment (MDE). The Used Oil Recycling Act is found in Maryland Environment Article 5-1001. The Service is responsible for implementing a statewide program to manage the operation of used oil collection facilities, provide public education and outreach programs, and maintain an information center to encourage citizens to properly recycle used motor oil.

The Service also administers funding from the MDE for the purpose of implementing a supplemental environmental project. The grant funding is used to assist in the construction of “rain shelters” to minimize storm water accumulation in existing used motor oil recycling drop-off areas and to implement other site improvements.

Since 1988, almost 14.2 million gallons of used motor oil and 738 thousand gallons of used anti-freeze have been environmentally recycled or reused from Maryland do-it-yourself automobile enthusiasts.

2010 program accomplishments include:

- Collection of 727,780 gallons of used motor oil from State sponsored locations;
 - Continued collection of used antifreeze, 42,322 gallons in 2010.
 - Of the 172 program sponsored collection locations 152 participated in 2010. Most sites include both oil and antifreeze collections.
 - Managed grant funding for supplemental environmental projects to construct rain shelters to cover collection tanks;
 - Provided program participants with additional tanks for 2 new sites as well as signage, tank hardware and replacement tanks. Expanded the program to upgrade used oil collection tanks by replacing 5 older single walled units with modern environmentally beneficial double walled 480 gallon capacity tanks.
- Specifically:

- Installed 7 new 480 gallon and one 250 gallon double walled tanks at selected collection locations. Installed 5 new 275 gallon tanks – 4 for antifreeze and 1 for used oil collection.
 - Provided Grant approval for a new rain shelter in Garrett County. Reimbursed Cecil County for the construction of a new rain shelter under the grant program.
-
- Maintained a monthly report to show the quantities collected at each site by month.
 - Responded to requests from sites for additional pump-out service.
 - Managed the agreement with oil recycling contractor to service sites.
 - Re-advertised for competitive bid and awarded a new multi-year collection contract.
 - Produced and printed a new brochure providing information about both the used oil and used antifreeze collection activities.
 - The Service continues to maintain and answer the Public Information Number 800-4RECYCLE (800-473-2935) in response to citizen inquiries concerning proper disposal and the nearest collection site;

2010 Annual Report

MARYLAND USED OIL RECYCLING PROGRAM

2010 ANNUAL REPORT

The 2010 Used Oil Recycling Program Annual Report is provided to the Maryland General Assembly as a requirement of Environment Article 5-1001 Section (g).

The Maryland Environmental Service (the Service), an 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 assistance to establish collection facilities, public education, and operation of an information center and implementation of other non-regulatory provisions of the Maryland Used Oil Recycling Act.

Maryland Environmental Service is pleased to provide the following report detailing the accomplishments, initiatives and progress of the Program during the past year and plans for 2011-2012.

INTRODUCTION

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. The Service 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 two main reasons: 1) free collection service of used motor oil; and 2) the Service assumes the responsibility for disposing of any contaminated used oil.

2010 Annual Report

Used Motor Oil Collection Program

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, the local service station sells milk and bread – not automobile related maintenance or repair services. Maryland's Do-it-yourself automobile mechanics and enthusiasts needed a reliable and responsible alternative to recycle used motor oil.

Collection of used motor oil from all statewide locations yielded 727,780 gallons in 2010. Since its inception in 1988, the program has expanded from 44 collection sites to the current 152 operational sites and has recovered more than 14.2 million gallons of used motor oil.

The program provides Maryland county and municipal governments and participating organizations the following support:

- Tanks for collection of used oil and anti-freeze, including hardware, program identification decals and accepted material signs. Maryland Environmental Service has initiated a replacement program for oil tanks that will replace the older single walled 275 gallon style with the more environmentally sound double walled 480-gallon tanks. During the past Year the following upgrades were accomplished:
 - 2 new 480-gallon double-walled oil tanks in Calvert County and 1 new 275 gal A/F tank.
 - 2 new 480-gallon double-walled oil tanks in Hartford County.
 - 1 new 250-gallon double-walled oil tank at Harford County's Jarrettsville location.
 - Cumberland - Install one 480 gal doubled walled oil tank, removed 2 old 275 gal single walled tanks.
 - Takoma Park - Installed one 480 gal doubled walled oil tank and a new antifreeze drum; removed old 275 gal single walled tank.
 - Frostburg, Allegany Co - Installed one 480 gal doubled walled oil tank, removed 1 old 275 gal single walled tank.
- Rain Shelter Grants to prevent rain water from contacting the collected oil.
 - Cecil Co - Reimbursed \$2,500 for new rain shelter.
 - Garrett County's request for a rain shelter grant was approved-completion expected in 2011.
- Collection service for the used oil (through a contracted hauler) free of charge;

2010 Annual Report

Used Motor Oil Collection Program (continued)

- Disposal of any contaminated used oil;
- Public education brochures for distribution;
- Monthly used oil collection reports published on the MES website, www.menv.com;
- Public educational outreach.

To serve the Maryland boating community, the Service continues to provide collection sites at designated state-operated marinas. Several private marinas throughout the state also participate in the program.

Good housekeeping practices are important aspects of spill control and contamination prevention. The program has conducted and is in the midst of an on-site audit of all collection locales to assure that sponsors, recycling coordinators and site supervisors are aware of their pollution prevention responsibilities.

There were no contamination incidents attributed to program affiliated tank failures during the past year. The program continually reminds all sites that host a used oil/antifreeze collection facility that they are responsible to provide day-to-day monitoring of the tanks, good housekeeping, and to communicate with the contractor directly or the program office when tanks are three quarters full. The service can then arrange for an unscheduled collection.

Currently there are a total of 152 participating program collection sites. In the past, locations have withdrawn for various reasons including the public's abuse of the drop-off sites and concern over possible enforcement actions. This type of abuse, which is still a constant concern at the collection sites, includes people leaving trash, filters, hazardous materials, and contamination of non-accepted material in collection tanks. The host facility and MES are persistent in monitoring for and abating any discovered abuse.

It is anticipated that as the price being paid for used oil continues to rise some local governments may opt out of the State managed program and develop their own collection system. Due to the fact that the used oil can be easily contaminated with PCBs, brake cleaning fluids, and other readily accessible chemicals, the Service and MDE feel that citizens are better served by local governments staying within the established program.

2010 Annual Report

Public Outreach

The Service continues to maintain and answer the Public Information Number **800-4RECYCLE** (800-473-2935) in response to citizen inquiries concerning proper disposal of used oil and anti-freeze and the location of the nearest collection site, as part of our Recycling Information Center. The program received over 135 calls in 2010 with the majority of callers requesting information on used oil collection locations.

The Service monitors NORA, formerly the National Oil Recyclers Association, now Association of Responsible Recyclers (<http://www.noranews.org/>), a trade group representing over 200 companies in the liquid recycling industry. Managers at the Maryland Environmental Service review new technologies, issues, and trends within the industry, which allows the Service to provide current information to used oil program participants and the general public as necessary.

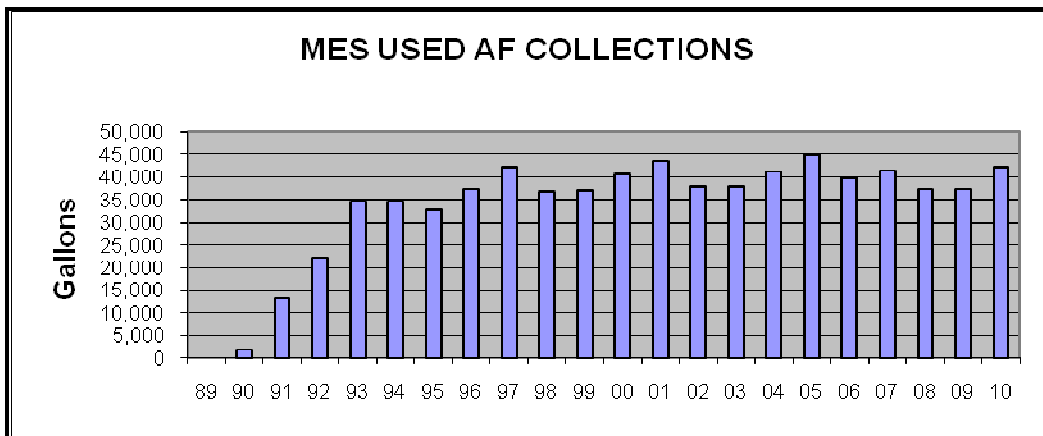
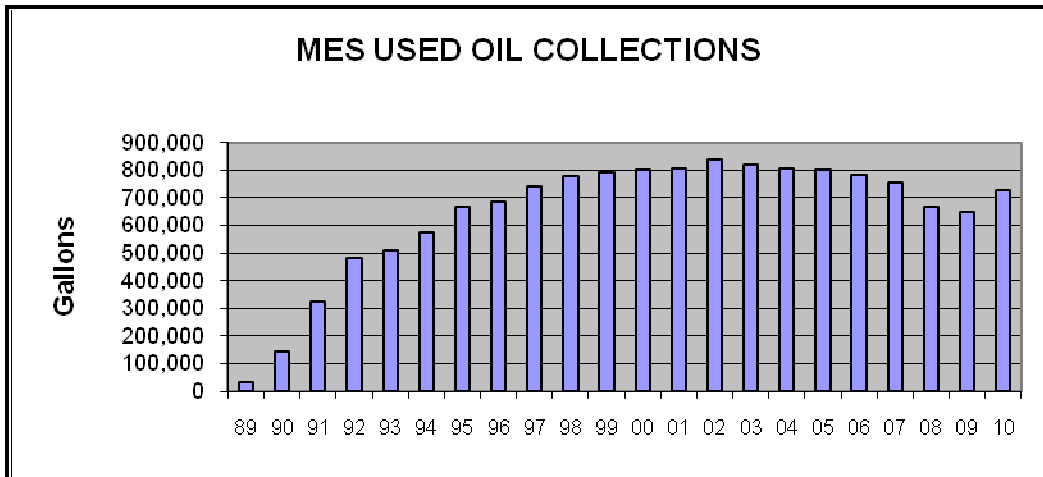
Collection reports, a current list of participating collection sites, newsletter publications, and supporting documentation are posted, and maintained on the Service's web site – www.menv.com.

Planned Activities for 2011 and 2012

Planned outreach activities for the New Year will be closely monitored due to budget limitations. The following activities already underway will continue:

- Continue updating and linking the used motor oil recycling pages on the Service's web site www.menv.com
- Continue the Service's 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 the tank upgrade program by replacing single-walled 275 gallon tanks with 480, and where needed, 250 gallon double-walled tanks.
- Continue the grant program to assist in funding the construction of rain shelters.
- Continue the annual audit program to ensure that the sites provide a safe and environmentally sound place for citizens to deposit used oil. The goal of this effort is insure that any sites that are in need of improvement return to an environmentally sound operation. Assist Site sponsors to restore environmental soundness of these sites.

2010 Annual Report



CY Year	Oil
89	34,426
90	145,153
91	323,408
92	482,019
93	507,777
94	575,391
95	666,869
96	687,095
97	742,313
98	776,806
99	792,776
00	801,297
01	804,825
02	838,805
03	819,878
04	807,175
05	800,081
06	781,869
07	754,113
08	664,889
09	647,150
10	727,780

14,181,895

CY Year	AF
89	0
90	1,800
91	13,275
92	22,239
93	34,553
94	34,635
95	32,745
96	37,414
97	42,155
98	36,915
99	37,126
00	40,675
01	43,585
02	37,850
03	37,806
04	41,166
05	44,956
06	39,930
07	41,555
08	37,353
09	37,506
10	42,322

737,561