



**REPORT ON THE
MARYLAND USED OIL
RECYCLING PROGRAM**

**21st ANNUAL REPORT
CALENDAR YEAR 2009**

May 13, 2009

Prepared for:

**The Senate Education, Health and Environmental
Affairs Committee and the
House Environmental Matters Committee
of the Maryland General Assembly**

2009 Annual Report

EXECUTIVE SUMMARY

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

The Service also uses funding from the MDE for the purpose of providing grants to assist in the construction of “rain shelter structures” to help minimize storm water accumulation in existing used motor oil recycling drop-off areas and for other site improvements.

Since 1988, more than 13.4 million gallons of used motor oil have been collected for proper reuse or recycling from do-it-yourself automobile enthusiasts.

Program accomplishments in 2009 include:

- Collected 647,150 gallons of used motor oil from program sponsored locations;
- Sponsored 148 collection locations, in which most sites include both oil and antifreeze collections.
- Collected 37,506 gallons of used antifreeze, another recyclable petroleum-based automobile fluid;
- Managed grant funding to construct rain shelters to cover collection tanks;
- Provided program participants with additional tanks for new sites as well as signage, tank hardware and replacement tanks for aging sites. Specifically:
 - 2 new 480-gallon double-wall oil tanks in Carroll County.
 - 1 new 480-gallon double-wall oil tanks in Hartford County.
 - 1 new 480-gallon double-wall oil tank and 1 new 275 gallon antifreeze tank in Manchester, MD.
 - 1 new Rain Shelter at Baltimore County Resource Recovery Facility.
- Updated the collection report monthly to show the quantities by month collected at each site;
- Responded to calls from citizens on proper disposal and the nearest collection site;
- Responded to requests from sites for additional pump-out service; and
- Managed agreement with oil recycling contractor to service sites.

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MARYLAND USED OIL RECYCLING PROGRAM

2009 ANNUAL REPORT

The 2009 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) and funding from the Maryland Oil Disaster Containment Clean-Up and Contingency Fund. 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 report on the accomplishments and progress of the Program during the past year and plans for 2010.

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 several reasons including:

- 1) the collection service of used motor oil is free;
- 2) the tanks and signage are supplied; and
- 3) the Service assumes the responsibility for disposing of any contaminated used oil.

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Used Motor Oil Collection Program

The Used Oil Recycling Program was established primarily because market forces 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. Do-it-yourself automobile mechanics and enthusiasts need a reliable and responsible location to recycle used motor oil.

Collection of used motor oil from all statewide locations yielded 647,150 gallons in 2009. Since its inception in 1988, the program has expanded from 44 collection sites to 148 sites currently in operation and has recovered more than 13.4 million gallons of used motor oil.

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

- Tanks: 275-gallon capacity, including hardware, program identification decals and accepted material signs. Replacement oil tanks for these sites are 480-gallon double-walled tanks.
- Collection service for the used oil (through a contracted hauler) free of charge;
- 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 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 continually reminds each recycling coordinator or site supervisor of his or her pollution prevention responsibilities.

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Used Motor Oil Collection Program (continued)

There were no reported contamination incidents attributed to program affiliated tanks during the year. The program requires all sites that host a tank to provide day-to-day monitoring of the tanks and communicate with the program office when tanks are three quarters full. The Service can then arrange for an unscheduled collection.

The total number of program collection sites is 148. In the past, locations have withdrawn for various reasons including the public's abuse of the drop-off sites and concern over possible pollution 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 predicted as the price being paid for used oil continues to rise some local governments may opt out of the program and develop their own collection system. Due to the fact that the used oil can be easily contaminated with PCBs, brake cleaning fluid, and other readily accessible chemicals, the local governments may be better served by staying within the established program.

Public Outreach

The Service maintains a toll-free telephone line to provide information on where and how to properly dispose of used oil as part of the Recycling Information Center. The program received approximately 100 calls in 2009 with approximately 50 percent of the callers requesting information on used oil collection locations.

The Service monitors NORA, the National Oil Recyclers Association, Association of Responsible Recyclers. Managers at the Maryland Environmental Service review issues and trends within the industry, which allows the Service to convey current information to program participants and the general public as necessary.

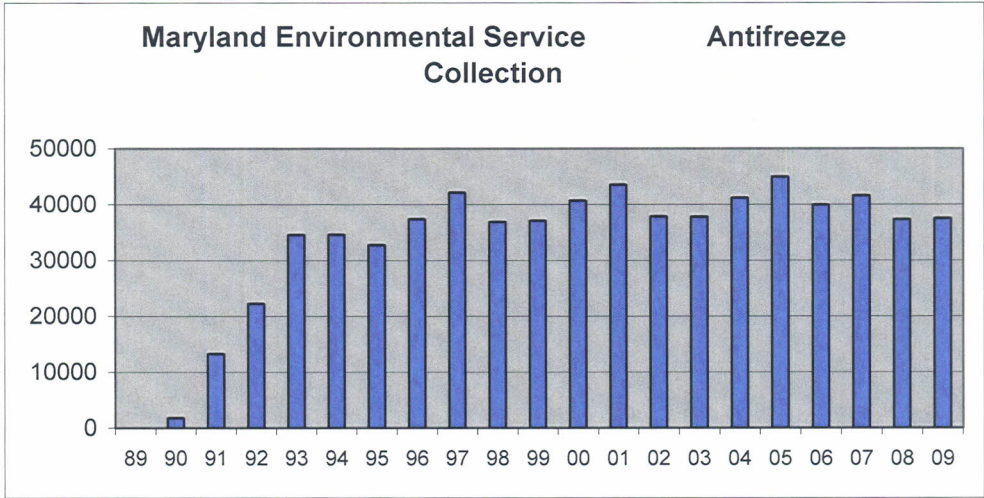
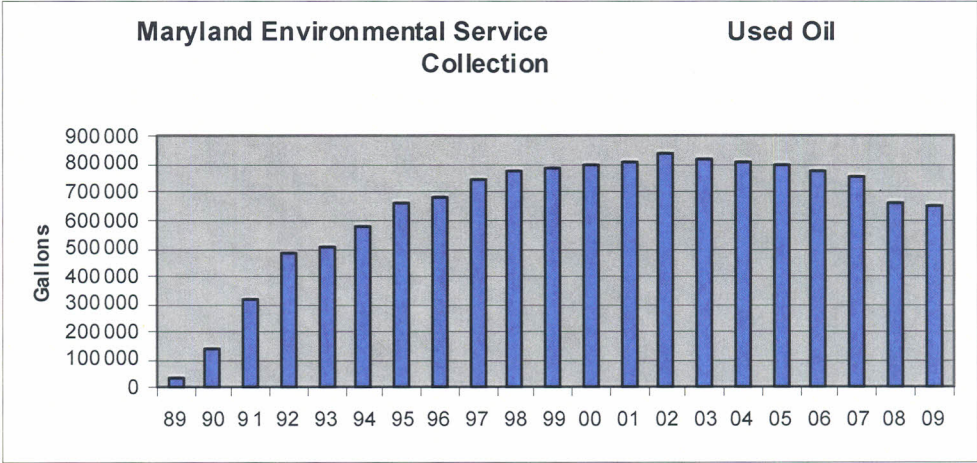
Collection reports, newsletter publications, and supporting documentation are posted, updated and maintained on the Service's web site – www.menv.com.

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Planned Activities for 2010

Planned outreach activities for 2010 will be limited due to budget constraints. The following activities already underway will continue:

- Updating and linking the used motor oil recycling pages on the Service's web site www.menv.com;
- the Service's membership in NORA while updating program participants and citizens with current information, issues, and trends within the industry;
- program updates to statewide solid waste managers and recycling coordinators;
- the tank upgrade program by replacing single-walled 275 gallon tanks with 480 gallon double-walled tanks;
- the rain shelter program;
- the annual inspection program to ensure that the sites provide a safe and environmentally sound place for citizens to deposit used oil, identify sites that are in need of improvements'; and
- the grant program for site owners to restore environmental soundness of these sites.



Year	Used 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	648,032

Year	Antifreeze
89	-
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