

2006 Annual Report

# MARYLAND USED MOTOR OIL RECYCLING PROGRAM



BALTIMORE COUNTY RESOURCE RECOVERY FACILITY

Submitted by:  
Maryland  
Environmental  
Service



Prepared for:  
The Education, Health and Environmental  
Affairs Committee and the Environmental Matters  
Committee of the Maryland General Assembly



Submitted to:  
Maryland  
Department of the  
Environment



# 2006 Annual Report

## EXECUTIVE SUMMARY

The Maryland Environmental Service (“Service”) administers the Maryland Used Oil Recycling Act through the intergovernmental agency agreement with the Maryland Department of the Environment. The Service is responsible for implementing a statewide program to increase the 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 administers funding from the Maryland Department of the Environment for the purpose of implementing a supplemental environmental project. The grant funding is used 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 other site improvements.

Since 1988, more than 12 million gallons of used motor oil have successfully been collected for proper reuse or recycling from do-it-yourself automobile enthusiasts.

2006 program accomplishments include:

- Collection of 781,869 gallons of used motor oil and 39,930 gallons of antifreeze from program sponsored locations;
- The number of program sponsored collection locations increased from 151 to 164. Most sites include both oil and antifreeze collections.
- Continued collection of used antifreeze, another recyclable petroleum-based automobile fluid;
- Managed grant funding for a supplemental environmental project to construct rain sheds 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.
- Revised the collection report in an Excel spreadsheet formatted 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.
- Managed agreement with contractor to service sites.

# 2006 Annual Report

## MARYLAND USED OIL RECYCLING PROGRAM

### 2006 ANNUAL REPORT

The 2006 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, 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 with the Maryland Department of the Environment. 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 2007.

#### 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 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.

# 2006 Annual Report

## 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 state-wide locations yielded 781,869 gallons in 2006. Since its inception in 1988, the program has expanded from 44 collection sites to 161 sites currently in operation and recovered more than 12 million gallons of used motor oil.

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

- Tanks (275-gallon above ground tanks, including hardware, program identification decals and accepted material signs);
- 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](http://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 their pollution prevention responsibilities.

# 2006 Annual Report

## Used Motor Oil Collection Program (continued)

There were no contamination incidents attributed to program affiliated tanks during the year. The program requires all sites that host a tank 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 increased from 151 in 2005 to 164 in 2006. 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 included people leaving trash, filters, hazardous materials, and contamination of non-accepted material in collection tanks.

Over the years, personnel changes have occurred at county and municipal locations which host program sponsored used motor oil collection tanks. The implementation of a program specific newsletter has helped foster communication between all the responsible parties including participating collection locations, program management, and MDE, the regulatory authority. The newsletter highlights program accomplishments and keeps collection locations updated on program activities and important initiatives.

## Rain Shelter Grant Program

In Fiscal Year 2003, the Used Motor Oil Recycling Program was the recipient of one-time environmental project funding that resulted from an alternative approach to traditional enforcement penalties. The funding was provided to interested Program Participants as grants for the construction of rain shelters to reduce storm water run-off and potential non-point source pollution releases from used oil collection tanks and secondary containment areas. Ten grants of a maximum reimbursable amount of \$2,500.00 were issued. The rain shelter grant program was such a success that equal funding was approved and administered each year thereafter through FY05. A complete listing of FY05 grants for completed rain shelters is as follows: City of Aberdeen, Town of Brunswick, Town of Cheverly, Henkley Boat Yard – Oxford Maryland, City of Greenbelt, Garrett County, Charles County, St. Mary's County, Worcester County, and Somerset County.

# 2006 Annual Report

## Rain Shelter Grant Program (continued)

Due to the overall success of the rain shelter grant program, Maryland Department of the Environment provided an additional \$25,000.00 to continue this program for FY 06. This funding provided grants to counties and municipalities to improve their used motor oil collection sites. The grant funding is being used to assist in the construction of rain shelters and maintenance of the facilities. Funding for the construction of rain shelters will directly address concerns related to reducing storm water run-off and the potential for non-point source pollution releases.

## Public Outreach

During 2006, the Maryland Used Motor Oil Recycling Program was promoted at the Maryland Recyclers Coalition (MRC) meetings. In the summer of 2006, Maryland Environmental Service promoted the Program at the Maryland Municipal League Conference as well as the Maryland Association of Counties Conference.

The Service maintains a toll-free telephone line to provide information about where and how to properly dispose of used oil as part of our Recycling Information Center. The program received approximately 500 calls in 2006 with approximately 50 percent of the callers requesting information on used oil collection locations.

The Service monitors NORA, formerly the National Oil Recyclers Association, now Association of Responsible Recycling. 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](http://www.menv.com).

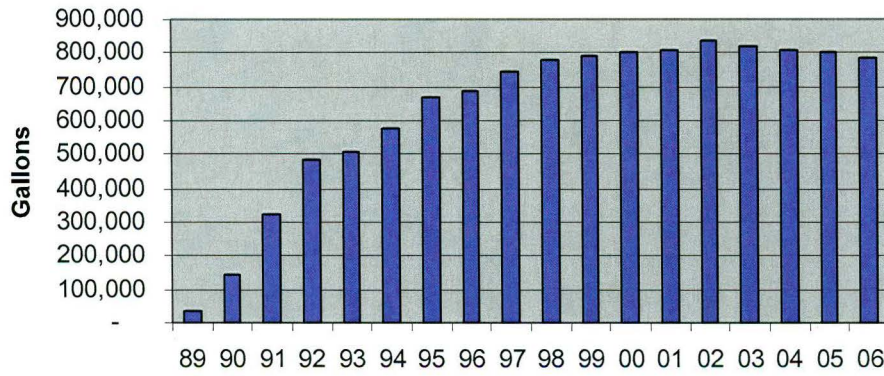
# 2006 Annual Report

## Planned Activities for 2007

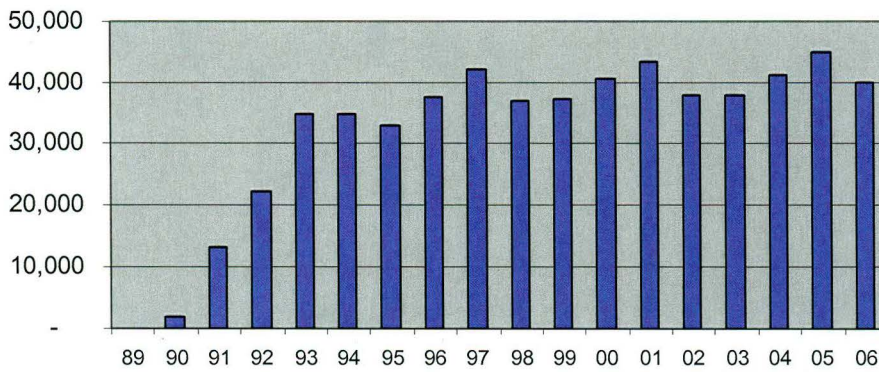
Planned outreach activities for the new year will be limited due to budget limitations. The following activities already underway will continue:

- Examine the need for increasing site locations and site quality in Baltimore City.
- Consider special projects such as Oil Filter Recycling to be included in the Used Oil Program. (Given appropriate funding) Currently a pilot program is in place with one of the Counties. Harford/Frederick.
- Continue updating and linking the used motor oil recycling pages on the Service's web site [www.menv.com](http://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.
- Continue dialogue and outreach opportunities (including press releases, advertising...) with the private sector and special interest groups.
- Present program updates to statewide solid waste managers and recycling coordinators.
- Institute a quarterly inspection program to ensure that the sites provide a safe and environmentally sound place for citizens to deposit used oil.

### Maryland Environmental Service Used Oil Collection



### Maryland Environmental Service Antifreeze Collection





Year	Used Oil	Anti-freeze
89	34,426	-
90	145,153	1,800
91	323,408	13,275
92	482,019	22,239
93	507,777	34,553
94	575,391	34,635
95	666,869	32,745
96	687,095	37,414
97	742,313	42,155
98	776,806	36,915
99	792,776	37,126
00	801,297	40,675
01	804,825	43,585
02	838,805	37,850
03	819,878	37,806
04	807,175	41,166
05	800,081	44,956
06	781,869	39,930