

2004 Annual Report

MARYLAND USED MOTOR OIL RECYCLING PROGRAM



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



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EXECUTIVE SUMMARY

The Maryland Environmental Service, administers the Maryland Used Oil Recycling Act through an intergovernmental agency agreement on behalf of 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 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.

Since 1988, more than 9 million gallons of used motor oil have successfully been collected for proper disposal from do-it-yourself automobile enthusiasts.

2004 program accomplishments include:

- Collection of 807,000 gallons of used motor oil from program sponsored locations;
- The number of program sponsored collection locations totaled 157—down slightly from last year;
- 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 all program participants with a quarterly newsletter;
- Provided quarterly reports and program updates to all coordinators;
- Promoted the program at the Maryland Municipal League Conference and the Maryland Association of Counties Conference;
- Presentations given to Ad-Hoc Committee on oil and statewide solid waste managers and recycling coordinators.

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MARYLAND USED OIL RECYCLING PROGRAM

2004 ANNUAL REPORT

The 2004 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, operation of an information center and implementation of other non-regulatory provisions of the Maryland Used Oil Recycling Act.

We are pleased to report on the accomplishments and progress of the Program during the past year and plans for 2005.

INTRODUCTION

The Maryland Used Oil Recycling Law was enacted in July 1978. Initial program start-up funding was allocated from the energy overcharge financial settlement. This funding enabled the service to create a program to assist the home mechanic or do-it-yourselfer, with proper used motor oil disposal, which is nationally unique. The Service purchased used 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 state 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 state-wide locations yielded approximately 807,000 gallons in 2004. Since its inception in 1988, the program has expanded from 44 collection sites to 157 sites currently in operation and recovered more than 9.8 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;
- Quarterly used oil collection reports;
- 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. A brochure entitled "*Guidelines*

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Used Motor Oil Collection Program (continued)

for Program Participants” is available to all designated program coordinators. The brochure outlines the importance and the need for responsible management of collection sites. 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 program can then arrange for an unscheduled collection.

The “Guidelines” brochure reiterates Maryland Department of the Environment concerns about storm water run-off and potential non-point source pollution releases from used oil collection tanks and secondary containment areas located at collection sites. Keeping the surrounding area clean and litter free and minimizing spills are important aspects to the environmental stewardship the sites provide.

The number of program collection locations dropped slightly with the withdrawal of several Jiffy Lube locations. In the past locations have withdrawn for various reasons including the public’s abuse of the drop-off locations, people leaving trash and hazardous materials, the public leaving large quantities of material and open buckets full of material, and concern over possible enforcement actions.

Over the years many 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 — 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 counties and municipalities 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.

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Rain Shelter Grant Program (continued)

A complete listing of grant recipients follows:

Baltimore County—Baltimore County Resource Recovery Facility, Beaver Dam Road, Cockeysville, Md. \$ 2,500.00 (estimate) Projected completion date May 2005.

Calvert County—Ball Road Waste Compactor Site, Ball Road, Mutual, Md. and Huntingtown Compactor Site, Hunting Creek Road, Huntingtown, Md. \$ 1,810.56 Completed August 2003.

Cecil County — Cecil County Landfill, E. Old Philadelphia Road, Elkton, Md. \$ 1,118.00. Completed October 2003.

Frederick County — Reichs Ford Landfill, Reichs Ford Road, Frederick, Md. \$ 2,500.00. Completed October 2003.

Washington County — Forty West Sanitary Landfill, Earth Car Road, Hagerstown, Md. \$ 2,500.00 (estimated). Projected completion date March 2005.

Town of Boonsboro — Orchard Drive at Gesack Corporation, Boonsboro, Md. \$ 2,500.00. Completed July 2004.

City of Cambridge — Department of Public Works, Leonard Lane, Cambridge, Md. \$ 2,045.00. Completed March 2004.

Town of Mt. Airy — Maintenance Facility, Prospect Road, Mt. Airy, Md. \$ 988.91. Completed October 2003.

Town of Sykesville — Public Works Garage/Recycling Center, Main Street, Sykesville, Md. \$ 2,500.00. Completed January 2004.

Town of Walkersville — Walkersville Texaco, Sandstone Drive, Walkersville, Md. \$ 2,500.00. Completed June 2003.

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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 2005. This funding will provide grants to counties and municipalities interested in improving their used motor oil collection sites. The grant funding is being used to assist in the construction of rain shelters and is specifically limited to the reimbursement of material used in the construction of rain shelters. Funding for the construction of rain shelter's will directly address concerns related to reducing storm water run-off and the potential for non-point source pollution releases.

Public Outreach

During 2004, the Maryland Used Motor Oil Recycling Program was promoted at the Maryland Municipal League Conference and the Maryland Association of Counties Conference. Also, presentations were given to the Maryland Department of Environment sponsored Ad-Hoc Committee on Oil and statewide solid waste managers and recycling coordinators.

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 1,500 calls in 2004 with approximately 60 percent of the callers requesting information on used oil collection locations.

The program submitted an abstract for approval to the NORA 2004 Annual Recycling Conference and Trade Show. NORA, formerly the National Oil Recyclers Association, is an association of responsible recyclers specializing in waste fluids. Unfortunately the association rejected the submitted abstract. It was hoped that the Conference and Trade Show would have provided an opportunity to feature Maryland's Used Motor Oil Recycling Program and to network with other state recycling coordinators and managers. Another abstract will be submitted to the Conference Committee for next years conference if the opportunity presents itself.

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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Program Administration

The Service has changed the organizational structure of the program during the past year. The program manager position is now assigned to and reports to the Executive Director of Recycling.

Planned Activities for 2005

Planned outreach activities for the new year will be limited 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
- Submit abstract on progress of the rain shelter project to the 2005 NORA Annual Conference and Trade Show.
- Continue dialogue and outreach opportunities with the private sector and special interest groups.
- Present program updates to statewide solid waste managers and recycling coordinators.
- Present program information to the Ad-Hoc committee on oil

The Service also will continue to support the Used Antifreeze Recycling Program. In 2004, the Antifreeze Recycling Program collected 41,000 gallons for proper disposal.

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Rain Shelter Grant Program (Projects completed in 2004)



City of Cambridge

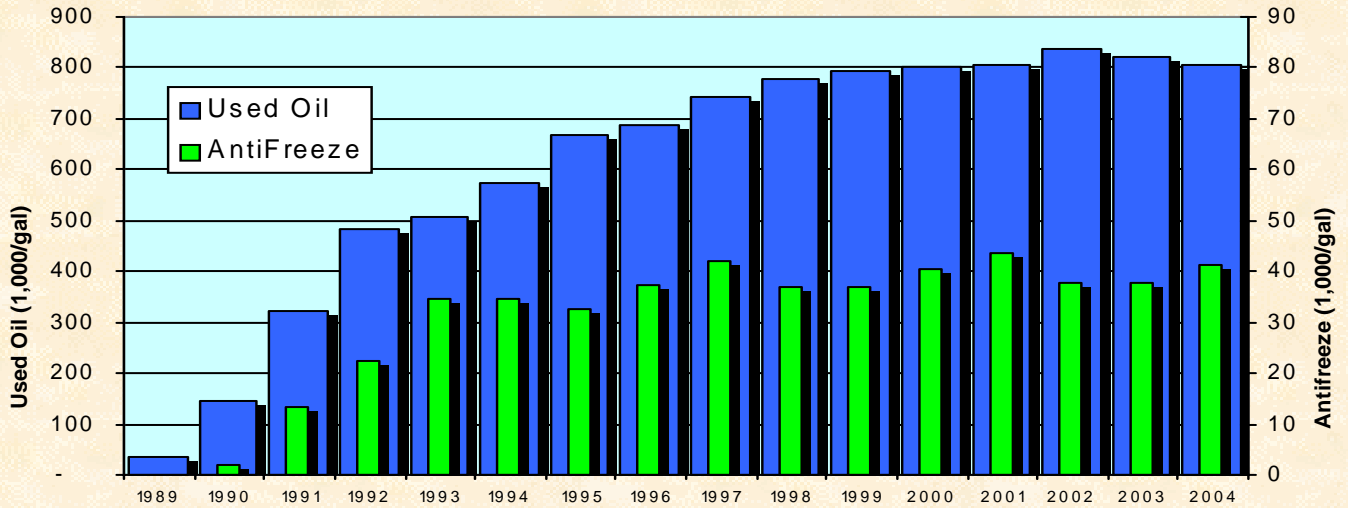


Town of Sykesville



Town of Boonsboro

Maryland Environmental Service Used Oil & Antifreeze Collection



MARYLAND USED OIL and ANTIFREEZE PROGRAM YEARLY COLLECTION TOTALS

Year	Used Oil	Antifreeze
1989	34,426	
1990	145,153	1,800
1991	323,408	13,275
1992	482,019	22,239
1993	507,777	34,553
1994	575,391	34,635
1995	666,869	32,745
1996	687,095	37,414
1997	742,313	42,155
1998	776,806	36,915
1999	792,776	37,126
2000	801,297	40,675
2001	804,825	43,585
2002	838,805	37,850
2003	819,878	37,806
2004	807,175	41,166