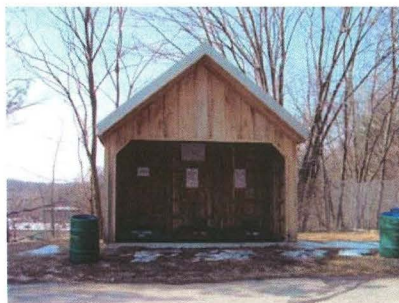# MARYLAND USED MOTOR OIL RECYCLING PROGRAM

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

MARYLAND

MDE

2005 Annual Report

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 10 million gallons of used motor oil have successfully been collected for proper disposal from do-it-yourself automobile enthusiasts.

2005 program accomplishments include:

- Collection of 800,000 gallons of used motor oil, and 45,000 gallons of antifreeze from program sponsored locations;
- The number of program sponsored collection locations totaled 151—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 program participants with additional tanks for new sites as well as signage, tank hardware, and replacement tanks for aging sites.
- Provided all program participants with a quarterly newsletter;
- Provided quarterly reports and program updates to all coordinators;
- Presentations and Oil Program Information (including public information literature) given to statewide solid waste managers and recycling coordinators.

2005 Annual Report

MARYLAND USED OIL RECYCLING PROGRAM

2005 ANNUAL REPORT

The 2005 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 2006.

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 800,000 gallons in 2005. Since its inception in 1988, the program has expanded from 44 collection sites to 152 sites currently in operation and recovered more than 10 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.

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 program can then arrange for an unscheduled collection.

The total number of program collection sites decreased from 157 to 151 locations from 2004 to 2005. In 2005 there were 6 sites withdrawn from the program. 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. The abuse includes people leaving trash, filters, hazardous materials, and contamination of non-accepted material in collection tanks.

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 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.

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. The 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 2005, the Maryland Used Motor Oil Recycling Program was promoted at the Maryland Recyclers Coalition (MRC) meetings. In the summer of 2006, Maryland Environmental Service is planning to promote the Program once again 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 1,000 calls in 2005 with approximately 60 percent of the callers requesting information on used oil collection locations.

The Service is an active member of NORA, formerly the National Oil Recyclers Association. As a member of NORA, the managers at Maryland Environmental Service are informed of 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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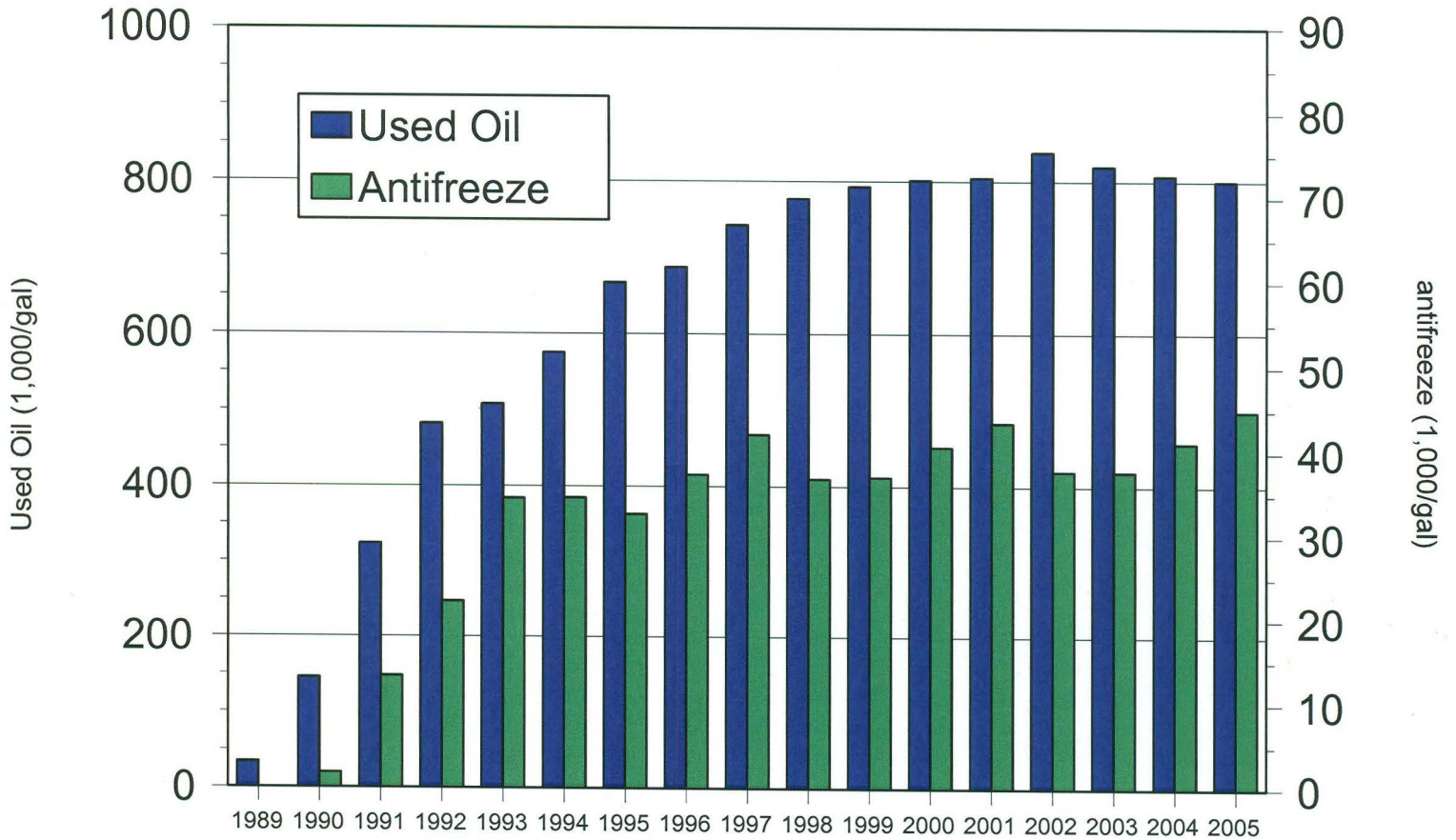
Planned Activities for 2006

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

- Due to the drop in number of available collection sites over the years(See attached graph), the Service intends to examine the possibilities of increasing available collection sites via marketing partnering with retail auto parts stores who sell motor oil and antifreeze. Currently most auto parts stores accept used oil, however it is not well known to the public.
- 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.
- 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.
- 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.
- Present program information to the Ad-Hoc committee on oil

The Service also will continue to support the Used Antifreeze Recycling Program. In 2005, the Antifreeze Recycling Program collected 45,000 gallons for proper disposal.
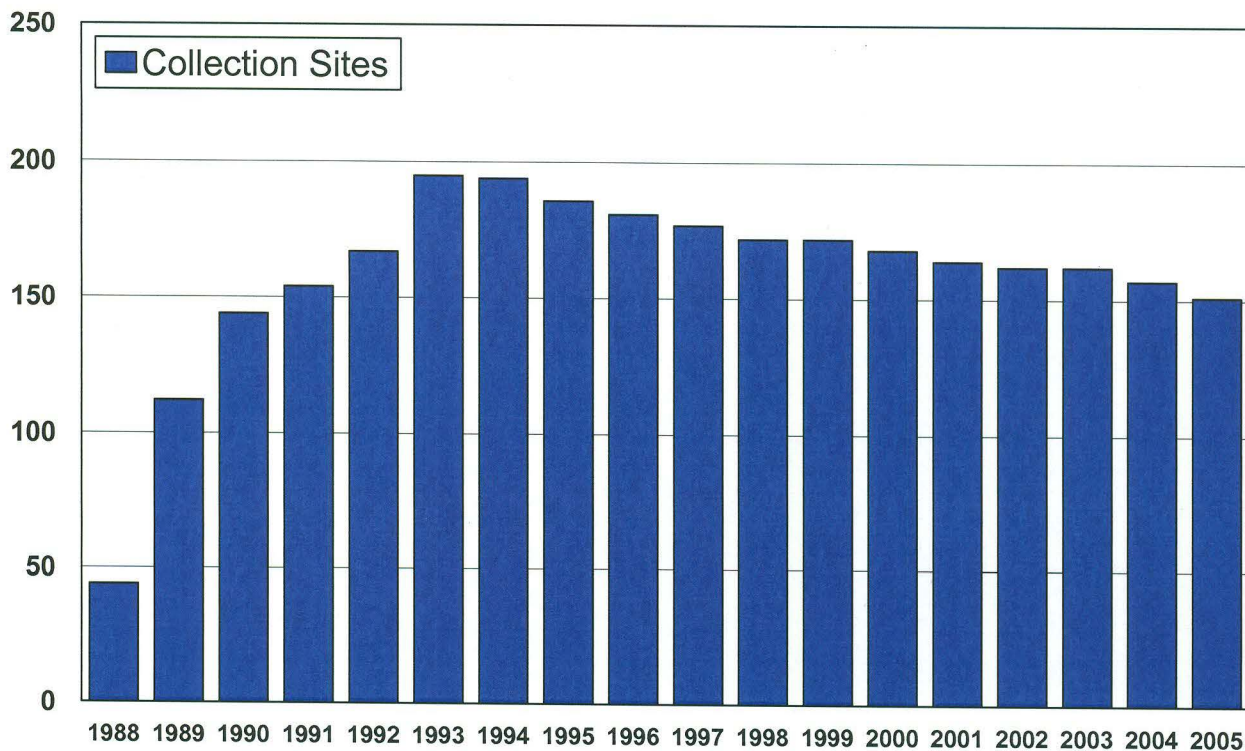
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Used Oil & Antifreeze Collection

Year	Used Oil	Antifreeze
1989	34426	0
1990	145153	1800
1991	323408	13275
1992	482019	22239
1993	507777	34553
1994	575391	34635
1995	666869	32745
1996	687095	37414
1997	742313	42155
1998	776806	36915
1999	792776	37126
2000	801297	40675
2001	804825	43585
2002	838805	37850
2003	819878	37806
2004	807175	41166
2005	800081	44956

Maryland Environmental Service

Used Oil Collection Sites

Year	# Locations
1988	44
1989	112
1990	144
1991	154
1992	167
1993	195
1994	194
1995	186
1996	181
1997	177
1998	172
1999	172
2000	168
2001	164
2002	162
2003	162
2004	157
2005	151