



New York State
Department of Environmental Conservation

Division of Solid & Hazardous Materials

Household Hazardous Waste Report 1988 Through 1999 Program Review April 2000



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**HOUSEHOLD HAZARDOUS WASTE REPORT
1988 THROUGH 1999 PROGRAM REVIEW**



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HOUSEHOLD HAZARDOUS WASTE REPORT

1988 Through 1999 Program Review

Executive Summary

Household hazardous waste (HHW) collection programs have been actively conducted throughout New York State for over a decade. This report summarizes the information gathered from the HHW collection programs conducted in New York State from 1988 through 1999. The Department of Environmental Conservation (DEC) released annual reports from 1988 through 1994, based upon the data received from the municipal program sponsors. This summary report includes the 1995 through 1999 HHW collection statistics, which were not reported previously, along with an overview of the 1988 through 1999 data.

The DEC provides financial and technical assistance, education, and regulatory oversight of HHW collection in New York State. The State's commitment to the separation of HHW from the solid waste stream, along with its collection and appropriate disposal, is highlighted by the very successful and vital HHW State Assistance Program, authorized by the Environmental Protection Act of 1993. The DEC awarded 190 contracts valued at approximately \$8.43 million during the first five years of the program.

The commitment of both the State and local municipalities to HHW collection has resulted in tremendous progress in the program. From 1988 to 1999, approximately 16,850 tons of HHW were collected in New York State. HHW collection grew from about 224 tons in 1988 at 1 permitted collection facility and 31 collection day events conducted by 13 sponsors to over 3100 tons of HHW collected in 1999 at 12 permanent collection facilities and 94 collection day events conducted by 39 sponsors.

Although great progress in HHW collection has been made, there are still many opportunities for improvement. The cost per ton of HHW collection and disposal has steadily decreased since 1988, but it is still relatively high. While the total number of households participating in HHW collection programs has greatly increased since 1988, still only around two percent of all households participate in their municipal collection programs. The main challenges currently facing HHW collection in New York State are to creatively and effectively increase participation and collection efficiency, so that more HHW can be readily removed from the solid waste stream, while continuing to reduce costs.

New York State
Department of Environmental Conservation
Division of Solid & Hazardous Materials

Household Hazardous Waste 1988 Through 1999 Program Review

I. Household Hazardous Waste And Its Collection in New York State

Most residents of New York State generate waste in their homes which contains some of the same chemical components as the hazardous waste generated by industry. Often, this is stored for extended periods of time or is mixed with other solid waste intended for disposal. This waste is called household hazardous waste (HHW), and includes many household cleaners, paint and related products, automobile maintenance wastes, pesticides, batteries, hobby chemicals, and other items. Industrially-generated hazardous wastes are subject to stringent management and disposal standards that are designed to be protective of human health and the environment. However, all household waste, regardless of its hazardous characteristics, is excluded from the regulatory definition of hazardous waste and is currently exempt from all State and federal hazardous waste regulations.

The Hazards of HHW

Household hazardous waste is any household waste which would be regulated as a hazardous waste if it were not generated by a household and includes all waste pesticides from a household. Many products used in households

with the words "CAUTION," "WARNING," "DANGER," or "POISON" on the label may meet this definition and eventually become HHW.

These household products may pose hazards to the consumer and the environment at various times during their production, use, disposal, and even during their long-term storage. The process of manufacturing the products often generates hazardous waste. During use, the consumer may be exposed to the product through inhalation of toxic vapors, through ingestion, or by skin contact. Additionally, many of these products are used only sporadically and are stored for long periods of time. Vapors from some of these products can be released slowly over time and inhaled by the household residents. Contact can also occur if the product leaks or spills. The health effects of many household products are not fully known by many users, who consequently may not be aware that they present any danger.

It is conservatively estimated that of approximately **30 million tons of solid waste** generated annually in New York State, about one half of one percent, or 150,000 tons, is HHW. The effects of improperly discarded HHW on the environment and human health are hard to quantify, but the potential effects should not be ignored. Sanitation workers may be injured if a hidden chemical container opens suddenly during collection. A tragic example of this occurred in 1996 when a City of New York Sanitation worker was killed when a container of hydrofluoric acid burst during routine solid waste collection

activities. If incompatible HHW's are released in a waste collection truck during compaction, the resulting reaction may cause an explosion, fire or release of toxic vapors. Once HHW is deposited in a landfill, liquids can seep down through the layers of waste and become leachate, which must be collected and treated so that it does not contaminate groundwater, soil, or surface water. Many hazardous products easily evaporate and contribute to air pollution or, if poured onto the ground or into a storm sewer, can contaminate a nearby stream, river or lake.

Educational programs attempt to alleviate the problems caused by improper HHW disposal by informing residents about how to properly dispose of HHW and, more importantly, how to avoid generating these wastes. Waste reduction techniques include the substitution of less toxic products, which addresses the health and safety issues mentioned above, and purchasing only the amount of a product that is needed and using all of

it for its intended purpose. **Education leading to waste reduction is by far the best approach to managing HHW!**

HHW Collection

The most environmentally sound method of disposal for many hazardous products is through a community HHW collection program. These programs collect and recycle the wastes or transport them to a hazardous waste treatment, storage, or disposal facility. The first such program in the State was conducted by Broome County in 1982. Over the past 18 years, many towns and counties have established HHW collection programs to provide for the safe disposal of these wastes.

Two basic types of HHW collection programs have been held in New York State. Some municipalities conduct HHW collection on scheduled collection days, while some



Household Hazardous Waste Collection

municipalities have permitted HHW collection and storage facilities, often referred to as permitted facilities.

- **Collection Day:** A collection day is a one-day program where residents can bring HHW to a central location where it is packaged by a contractor and transported off-site. Collected wastes can be stored on site for no more than three days. These programs are usually not available on a regular basis and may not meet the needs of all local residents. However, some municipalities conduct these days several times a year. A collection day plan must be approved in advance by the New York State Department of Environmental Conservation (NYSDEC).



Household Hazardous Waste Collection Day Program

regulated under 6 NYCRR Subparts 360 and 373-4, and often operate without the day-to-day involvement of a contractor.

- **Permitted Facility:** A permitted collection and storage facility, which receives a permit to store HHW, occupies a fixed site and is traditionally open on a regular schedule. Permitted facilities are

HHW collection days grew in popularity in New York State throughout the 1980's, peaking in 1990, followed by a drop off through 1992 before rebounding between 1993 and 1999. The first permitted facility began operation in 1988. By 1993 there were eight permitted facilities. These facilities replaced some of the collection day programs which decreased from 1990 to 1992. The New York State Environmental Protection Act was enacted in August 1993, and allowed for State

assistance of municipally-sponsored HHW collection programs. This funding was provided to expand the availability of HHW collections to the public. The Environmental Protection Act is discussed in more detail in Section III of this report. The enactment of the New York State Environmental Protection Act in 1993 helped generate renewed interest in HHW collection



Permitted HHW Collection & Storage Facility

programs. Thereafter the number of HHW collection day programs and the number of permitted facilities once again increased.

HHW collection programs incur a variety of costs, including the cost of waste collection and disposal, staffing, and public education and publicity. Many communities throughout the State have not been able to make funding available for this activity. Costs for a single day in 1999 ranged from \$10,000 to about \$55,000 depending on the location and scope of the event. These costs can be reduced by focusing program planning on the preferred waste management hierarchy: source reduction, reuse, recycling, treatment, or incineration, and land disposal as a last resort. As this hierarchy is applied to HHW, source reduction is fostered through a strong education program focusing on reducing the use of hazardous products in the home. Reuse can primarily be accomplished by donating materials to organizations or by simply giving unused materials to someone else (e.g., a relative or neighbor) for use. A limited amount of recycling can also be done by citizens in areas without a HHW collection program. The NYSDEC has a number of educational materials, listed in Appendix A, available to help citizens reduce their need to dispose of hazardous materials.

II. Department of Environmental Conservation Activities

The Department of Environmental Conservation (DEC) has conducted an active household hazardous waste (HHW) program since 1988. Highlights of the Department's activities are outlined below.

- **Technical Assistance:** The DEC's Division of Solid & Hazardous Materials (Division) provides data on past collection programs and regulatory advice to counties who are interested in establishing a HHW collection program. Regional staff also meet with many of the sponsors of collection programs, and help these groups plan and conduct their programs safely and efficiently. This service is particularly useful for first-time program sponsors. Several publications have been developed to provide guidance for each type of program, and these are listed in Appendix A.
- **Public Education:** The Division has published a number of materials suitable for use by citizens. These are distributed directly to citizens through the mail or at exhibits and are also available on the DEC's website. Also, copies of these publications and printing masters are made available to the public for distribution. These publications are listed in Appendix A.
- **Regulatory Activities:** The Division is responsible for ensuring that these programs are conducted safely and in compliance with New York State regulations. Collection day plans are reviewed by Regional Solid & Hazardous Materials staff to ensure compliance. Each permit application for a collection and storage facility is reviewed by the Regional Solid and Hazardous Materials staff. The shipping documents from collection programs are monitored for unacceptable wastes, and data collected from these documents, and the collection day program/permitted facility reports received from the program sponsors are



Department's HHW Public Education Exhibit

used to compile program summary data. Division staff help program sponsors use this information to estimate the participation levels and costs of conducting a program.

- **Collection Program Oversight:** Division Regional staff attend many collection days to offer guidance, answer questions from the public and ensure that the programs are conducted safely and in compliance with regulations.

III. Environmental Protection Act

The New York State Environmental

Protection Act (Title 7 of Article 54 of the Environmental Conservation Law), enacted on August 4, 1993, authorized the Department of Environmental Conservation (DEC) to develop regulations to implement a program to reimburse municipalities up to fifty percent (50%) of the costs of HHW collection programs incurred after April 1, 1993. Funding for this State Assistance Program comes from the Environmental Protection Fund (EPF) when funds for this purpose are appropriated. Appropriations must be included within the State budget, and the State legislature must appropriate funding for this State assistance program each fiscal year in order for the program to continue. If the level of available funding in any fiscal year is insufficient to provide all municipalities with 50% reimbursement of eligible costs, the DEC may either lower the percentage or set a dollar cap on the level of funding to be provided to municipalities that year.

Revised regulations governing HHW collection programs, 6 NYCRR Subpart 373-4, became effective July 29, 1995. Accordingly, an application package for State assistance was developed and is made available to all municipalities that have conducted or may conduct eligible HHW collection programs.

The following are considered municipalities under the program and may therefore apply for reimbursement for any eligible expenses:

- a county, city, town or village;
- a local public authority or public benefit corporation;
- a school district or supervisory district; or
- a Native American tribe or nation that is located within New York State.

The types of costs eligible for reimbursement include:

- operating costs for both collection days and permitted facilities;
- educational costs; and
- construction costs.

The HHW State Assistance Program began awarding State funding to municipalities during the 1995/96 State Fiscal Year. Due to the overwhelming interest in the program, grants in that first round were limited to 25% of costs incurred during fiscal years 1993/94 to 1995/96. During the first year, 40 contracts were awarded totaling \$1.95 million in State assistance.

During subsequent funding years, eligible projects were limited to only those costs incurred during a single funding year. This allowed DEC to increase the reimbursement percentage to the

maximum 50% allowed by law. The amounts awarded from 1995/96 through 1999/2000 are listed below:

State Fiscal Year	Contracts	Amount
1995/1996	40	\$1.95 million
1996/1997	35	\$1.63 million
1997/1998	41	\$1.58 million
1998/1999	35	\$1.73 million
1999/2000	46	\$1.65 million

In summary, during the first 5 years of the HHW State Assistance Program, DEC has awarded 197 contracts valued at approximately \$8.54 million.

IV. Summary and Analysis of 1988 Through 1999 Collection Program Data

As previously described, HHW collection programs have been held in New York State over the past 18 years. Summary statistics for collection programs are presented in Appendix B. The quantities of waste collected are estimated based on the number of drums collected. The drum sizes used at the collection days vary greatly from a five-gallon pail to a 250 gallon tank, although most drums are 30 to 55 gallons in volume. So the total quantity of waste collected cannot be exactly determined. From 1988 through 1994, the Department released annual reports based upon the data received from the program sponsors. Thereafter, reports were no longer compiled on an annual basis. Therefore, in this summary report, a listing of the 1995 through 1999 HHW collection

statistics for each sponsoring organization is presented in Appendix C.

The data presented in Appendices B and C is compiled from the HHW collection day and/or year-end reports from the program sponsors, and grant reimbursement requests received by the Department. As explained above, some information/data presented in this report is approximate. There are also some data gaps in this report because in some cases municipalities did not submit year-end reports, or some information was not included in the year-end reports.

The information presented in Appendices B and C and summarized below, reveals some

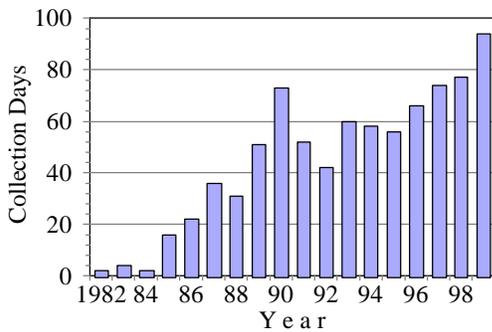


Figure 1: Collection Day Programs

interesting facts about the growth, participation and costs of HHW collection in New York State over the last twelve years.

A. Number of Programs

As briefly discussed in Section I, the first HHW collection day was sponsored by Broome County in 1982, steadily expanding throughout

the 1980s and peaking for the decade in 1990 with 73 collection days conducted by 19 sponsors (Figure 1). In 1991 however, the number of collection days dropped significantly to 52 days conducted by 16 sponsors followed by a continued decline to a 1990s low of 42 days conducted by 18 sponsors in 1992. Much of the drop in the number of collection days during this time period can be attributed to the simultaneous increase in the number of permitted facilities which replaced many of these collection day programs (Figure 2). However, a portion of the decrease can also be attributed in part to the increasing costs for municipal sponsors to conduct these collection days. Although the actual cost on a per ton (Figure 12) or per participant (Figure 11) basis remained relatively stable throughout this time period, the steady increase in the number of participants per

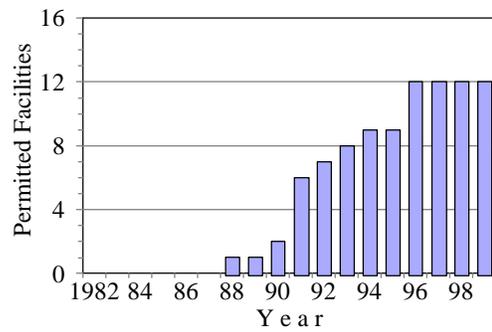


Figure 2: Permitted Facilities

collection day (Figure 4) had a significant impact on the costs per day to the municipal sponsors. The number of collection days began to rise once again in 1993 from 60 days conducted by 24 sponsors to a high in 1999 of 94 days conducted by 39 sponsors. Unlike the experience in the early 1990s, this growth in the number of collection days occurred at the same time as the number of permitted facilities also increased.

In relation to permitted facilities, the first such facility in New York State began operation in

1988. As shown in Figure 2 a second facility began operation in 1990, followed by four more in 1991 with one added each year for the next three years bringing the total to nine permitted facilities in that seven-year period. As indicated above, the large increase in facilities, particularly in 1991, contributed to the decrease in the number of collection days sponsored. In 1996, three additional permitted facilities became operational bringing the total number of permitted facilities to 12 through 1999.

The simultaneous expansion of both the number of collection days and the number of collection day program sponsors along with the increase of the number of permitted facilities is primarily attributed to the HHW State Assistance Program described in Section III. That program allowed for the reimbursement of a portion of municipal program sponsors costs related to their HHW collection programs after April 1, 1993, although the awarding of State funding didn't begin until the 1995/1996 State Fiscal Year. The reimbursement percentage in that first funding period was limited to 25% of the costs incurred during fiscal years 1993/94 through 1995/96. During that fiscal year, \$1.95 million in State assistance was awarded.

However, during subsequent filing years, eligible projects were limited to only those costs incurred during a single fiscal year allowing the Department to increase the reimbursement

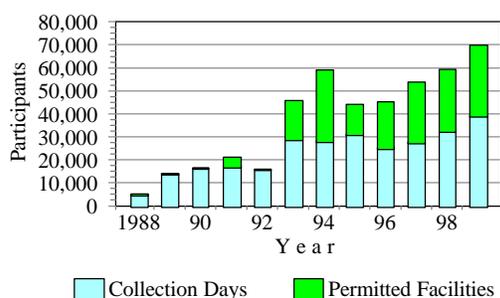


Figure 3: Number of Participants

percentage to the full 50% allowed by law. The availability of this considerable amount of State Assistance to municipal program sponsors for both the costs related to conducting collection days and the costs for construction and operation of permitted facilities has had a significant effect on the expansion of HHW programs throughout New York State.

B. Participation

Generally, the number of participants in HHW collection programs in New York State has steadily increased over the last decade as shown in Figure 3. There are some anomalies in the data which will be identified and explained below.

Relative to collection days, there was a steady increase in the number of participants attending these days from approximately 5,000 in 1988 to approximately 39,000 in 1999. There was, however, a slight decrease in the number of participants attending collection days in 1996 and 1997 in relation to the 1995 level, before participation rebounded in 1998 and reached its highest level in 1999. It is believed that the slight decrease in those two years is a result of the conversion of many HHW collection day programs to a pre-registration type of program from a first come-first served type of program.

This is also reflected in the data concerning the average number of participants per collection day over the same twelve-year period presented in Figure 4. There had been a steady increase from approximately 160 participants per collection day in 1988 to a peak of approximately 550 participants per collection day in 1995. This average number dropped to the 370 - 380 participants-per-day range for the next two years

with an increase to over 400 participants per day in 1998 and 1999. These reductions of average participants per day occurred while the number of collection days was increasing. Advantages of pre-registration programs are that they control the traffic and flow of material received as well as allow for better planning of expenditures to be incurred by municipal sponsors. However, it does have a tendency to reduce the number of participants (although not necessarily the amount of material processed) per day. The average participation rate for collection days has remained relatively constant from 1995 - 1999 at a rate of slightly over double the average 1988 - 1993 participation rate (Figure 5).

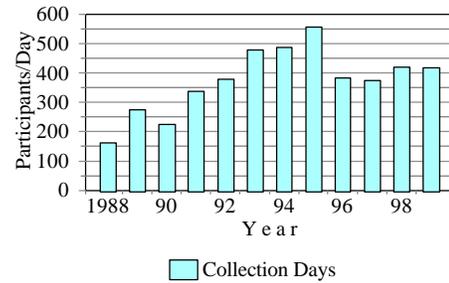


Figure 4: Average Participants Per Day

participants in 1999 (with the exception of an anomaly year of 1994 which recorded the highest number of participants at 30,846). The reason for the decline in total participants in 1995 from 1993 and 1994 levels is believed to be related to the high costs of operation of these facilities, consequently leading many to reduce the number of days they were open to accept material. This had an overall effect of reducing the total number of participants. With the commencement of operations at three new permitted facilities in late 1996 bringing the total to 12 permitted facilities in 1996 through 1999, as well as increased collection activities at some of the

Unfortunately, for permitted facilities, participation data for the years 1988 - 1990 and 1992 was not collected. Although our information is somewhat limited, Figure 3 still shows a basic increase in total participation from slightly over 17,000 participants in 1993 to slightly over 30,600

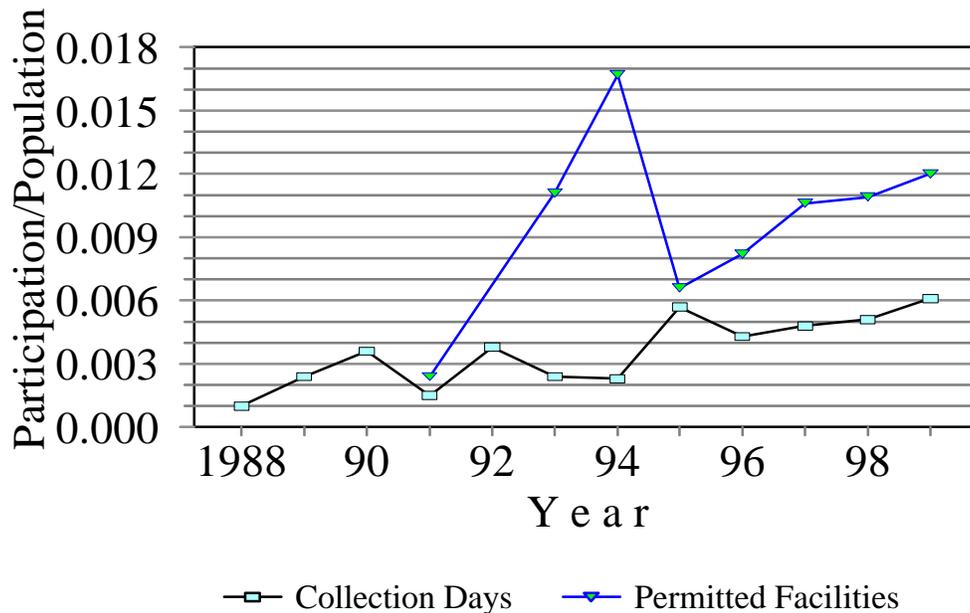


Figure 5: Average Participation Rate

other permitted facilities, the total number of participants more than doubled from the 1995 level. That is also reflected in the data related to the average participation rate for permitted facilities which has also nearly doubled from the 1995 level (Figure 5).

When considering and evaluating participation at HHW collection days and permitted facilities, the numbers can be somewhat misleading and seemingly low or understated. This is because, generally, each participant at a HHW collection day or permitted facility is participating on behalf of at least one family. Based on 1990 United States Census data, the average number of people per family in New York State is 3.22 . Therefore, when calculating a true participation rate on a total population basis, each participant represents at least 3.22 people.

As in the case of the increase in the number of collection days, the number of collection day program sponsors and the increase in the number of permitted facilities, we believe the increase in the number of participants as well as the increase in participation rate is also primarily attributed to the HHW State Assistance Program. The increase in the number of collection days and permitted facilities unquestionably has a direct effect on the number of opportunities for participation, thereby increasing both the total

number of participants as well as the participation rates per collection day or per permitted facility. Once again, it is clear that the availability of considerable State Assistance to municipal program sponsors for both the costs related to conducting collection days and the costs for construction and operation of permitted facilities has had a significant effect on the expansion of HHW programs throughout New York State.

C. Amount and Types of Material Collected

Over the course of the last twelve years, the amount of HHW collected through both collection days and permitted facilities has steadily increased. This is due to the general increase in both the number of collection days and permitted facilities as well as the overall increase in participation.

For collection days, the total amount has steadily increased from 224 tons in 1988 (with the exception of an anomaly year in 1996) to 1836 tons in 1999.

In the case of permitted facilities, similar increases have been experienced. Unfortunately, collection data at permitted facilities for the years 1988 - 1990 and 1992 was not collected. Although our information is somewhat limited, we can still see a basic increase in total HHW collected beginning with approximately 240 tons in 1993 to almost 1,280 tons in 1999, with a peak of 2,060 tons in 1998. Overall, the quantities of HHW collected in 1998 and 1999 were about twice the quantities collected in any prior year (Figure 6).

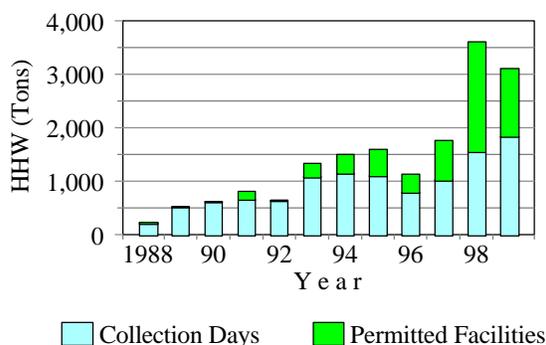


Figure 6: Total Household Hazardous Waste Collected

For the years 1995-1999, the following ten different HHW materials or material categories were tracked. These materials or material categories, and their percentage of the total HHW collected, expressed as an average for the five year period, are: oil-based paint (23.1%), latex paint (10.6%), pesticides [liquid & solid] (9.5%), used oil (10.9%), automotive batteries (5.6%), household batteries (2.8%), antifreeze (1.8%), fluorescent bulbs (<1%), other liquid HHW (32.0%), and other solid HHW (3.5%), as shown in Figure 7.

During that same period, the following basic trends on a material specific basis were observed (see Figures 8 and 9):

Paints: Over the course of the five-year period, the percentage of oil-based paint collected as part of the HHW stream dropped steadily from 30.6% in 1995 to 16% in 1998 then rose back up to 25.5% in 1999 while the percentage of latex

paint collected nearly doubled from 6.7% in 1995 to 12.6% in 1999.

Pesticides: The percentage of liquid pesticides remained relatively stable from 1995 to 1999 at between 4.5% and 6.5%. The solid pesticides stayed within the 1% - 3% range, except for a peak of 7.4% in 1998.

Used Oil: Used oil was in the 4.6% - 4.8% range for 1995 & 1996, then jumped to the 11% to 15% range during the 1997 to 1999 period.

Batteries: The percentage of automotive batteries remained relatively stable from 1995 to 1997 in the 2.2% - 2.7% range then increased by approximately four times to 11.3% in 1998 before dropping back to 3.6% in 1999. In the case of household batteries, the percentage of household batteries steadily rose from 2.4% in 1995 to 6.5%

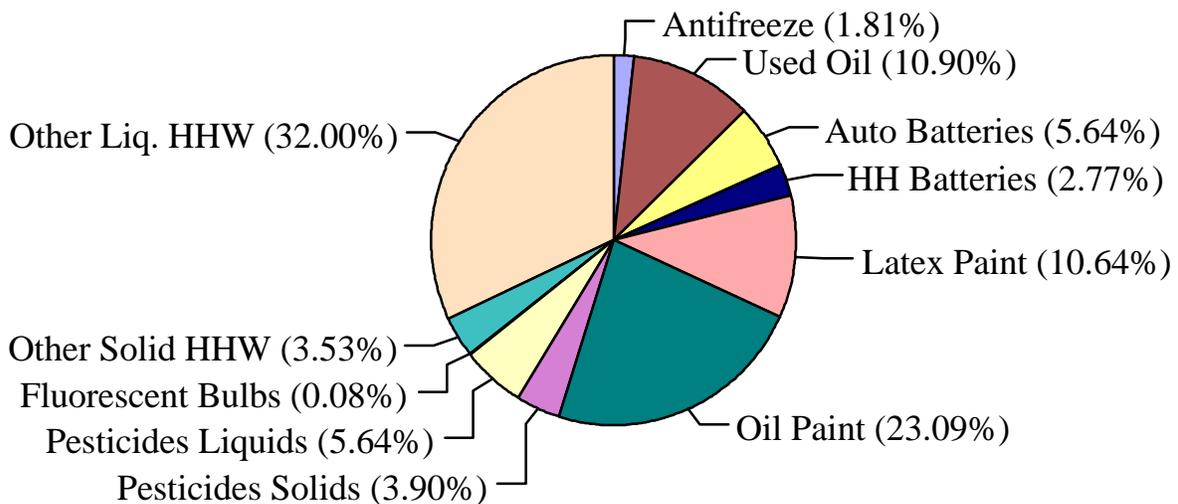


Figure 7: Type of Waste Collected (95-99)

in 1997, then dropped dramatically by approximately three fold to less than 2% in 1998 and 1999.

Antifreeze and Fluorescent Bulb:

Antifreeze collection remained relatively stable at between 1.5% to 2.3% during the 1995 - 1999 period. Fluorescent bulb collection remained relatively low at between 0.01% to 0.07% from 1995 to 1998, then doubled to 0.13% in 1999.

Other HHW: The “other HHW” [liquids] category percentage collected dropped by approximately 15% from 43.6% in 1995 to 27.2% in 1999 while the “other HHW” [solids] steadily increased from 1.3% in 1995 to 4.7% in 1999.

D. Costs

The costs related to the collection of HHW over the last decade in New York have varied significantly (Figure 10).

For collection days, the cost on a per-day basis steadily increased from approximately \$17,500 in 1988 to a peak of approximately \$50,000 in 1993 (Appendix B). Then a dramatic reduction in costs was experienced by program sponsors back down to around \$20,000 per-day since 1996. Using this common indicator of cost per day can, however, be somewhat misleading as a number of factors such as the level of participation, the quantities and types of materials collected/received and the type of collection program may affect the costs. For these reasons, calculations on a per-participant and/or per-ton basis generally provide a more accurate comparison of the costs to operate HHW collection days. As illustrated from the data presented in

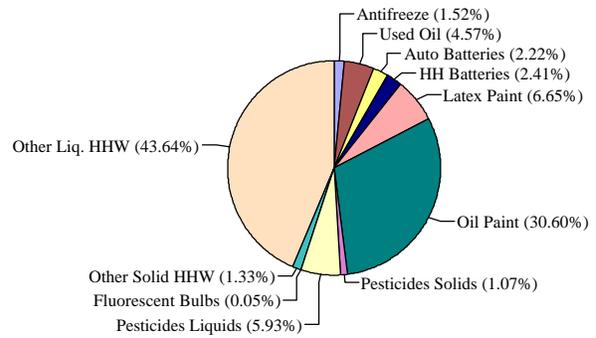


Figure 8: Type of Waste Collected (1995)

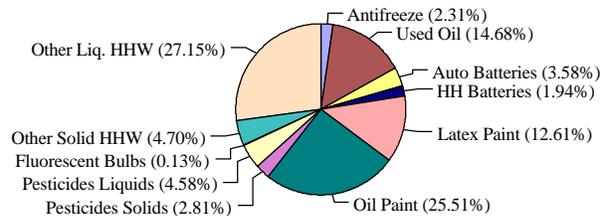


Figure 9: Type of Waste Collected (1999)

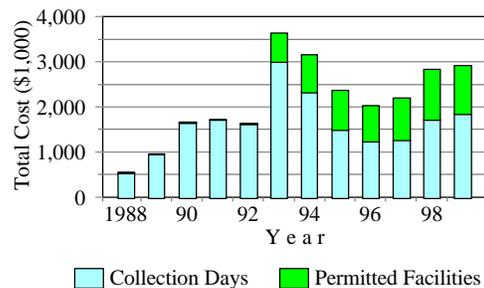


Figure 10: Total HHW Collection Cost

Appendices B and C, although the costs on a per-day basis steadily increased for the period 1988 - 1993, the costs on a per-participant basis (Figure 11) remained around \$100 and the costs per ton collected (Figure 12) remained in the \$2,400 - \$2,700 range for that same period (with the

exception of an anomaly year of 1989). After 1993, the costs of collection days on a per-participant basis dropped significantly from approximately \$105 per participant in 1993 to a low of approximately \$46 per participant in 1997, and the costs on a per-ton basis dropped from approximately \$2,750 in 1993 to approximately \$1,000 in 1999.

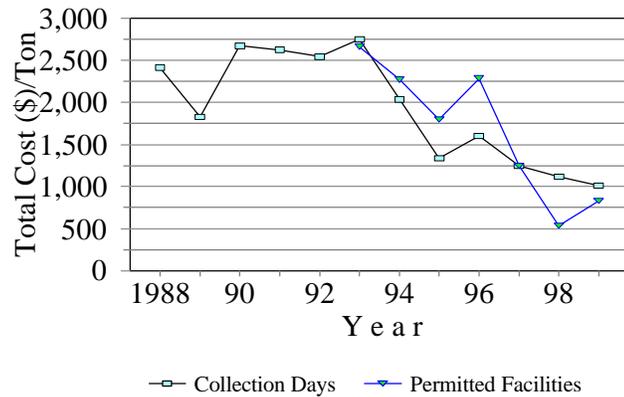


Figure 12: Average Total Cost Per Ton

For permitted facilities, as for the data related to the number of participants and the amount of material collected, unfortunately, total cost data for the years 1988 to 1992 was not collected. Although our information is somewhat limited, we can still see a long-term reduction in the costs related to the operation of permitted facilities. On a per-participant basis, the costs have remained in the \$25 - \$40 range from 1993 to 1999 (with the exception of an anomaly year of 1995). The costs on a per-ton basis were in the \$2,300 - \$2,700 range from 1993 to 1996 (with the exception of that same anomaly year of 1995). As with the costs for collection days, a similar dramatic decline in costs was experienced by program sponsors to a low of \$535 in 1998. In 1999 the per-ton costs

increased to \$831.

Accordingly, using this data, it is clear that the costs, on a per-ton basis, to operate both collection days and permitted facilities has dramatically decreased by 60% - 70% since 1993 (Figure 12). There are a number of factors that have contributed to the reduction in costs related to HHW collection. These include, but are not limited to:

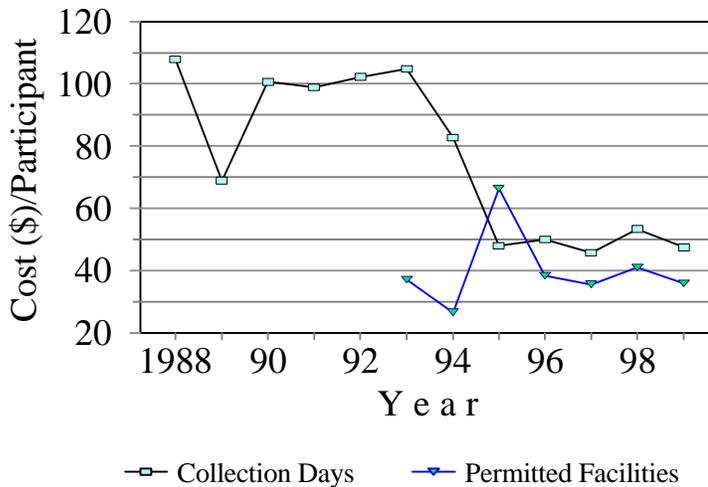


Figure 11: Average Cost Per Participant

< A reduction in the costs charged by collection contractors due to, among other things, increased competition within the industry and enhanced program specifications by program sponsors;

< Program evolution, refinements and development by

HHW program sponsors resulting in improvements in program management, program oversight, and program efficiency, as well as refined and enhanced specifications and bidding procedures; and

- < The implementation of the HHW State Assistance Program. This program has had an effect on both the number of events conducted and facilities constructed, fostering increased interest in HHW collection among municipalities, thus contributing to the enhanced competition among collection contractors. The program has also likely helped reduce costs because of the additional review of both the eligibility and reasonableness of collection costs as part of the reimbursement process.

E. Collection Days vs. Permitted Facilities

Municipalities that consider establishing permitted facilities must evaluate the differences between sponsoring collection days and constructing such facilities as part of their HHW program planning process. The data, although somewhat limited, especially in regard to permitted facilities, indicates two things that may be helpful for planning purposes.

First, with the exception of an anomaly year of 1995, the per-participant cost has always been lower for permitted facilities than for collection days (Figure 11). The typical difference in costs had been between 60% - 70% through 1994. However, from 1996 through 1999, the difference has narrowed considerably to about 25%.

Secondly, the participation rate has always been greater for permitted facilities than for collection days (Figure 5). The rate for permitted facilities has been approximately twice as great as the rate for collection day programs since 1996. Before that, in 1993 and 1994, the difference was much greater and had been as high as seven times as great in 1994.

Thirdly, since 1997 the cost per-ton of HHW collected at permitted facilities has been the same or less than the cost per-ton of HHW collected during collection day events (Figure 12).

Although there are many considerations for municipalities to evaluate when planning or expanding their HHW collection programs, this information is certainly vital for long-term planning.

V. Planned Activities And Trends

The State will continue to distribute the wide variety of public education materials that are available. These publications are also available on the Department's website <http://www.dec.state.ny.us/dshm/redrecy/index.htm>

Division staff will continue to be available to assist program sponsors with program planning, and data collection will continue. The technical assistance, public education, and regulatory activities will continue as before.

Sponsors of HHW collection programs will continue to be encouraged by the Department to expand their programs to include collection of hazardous waste from conditionally exempt small quantity generators (CESQGs) and to establish designated pesticides collection day programs.

Many small businesses and farmers qualify as CESQGs and may bring their hazardous wastes to HHW collection programs. Although collection and disposal of hazardous wastes from CESQGs are not eligible for State assistance, many collection program sponsors charge a fee for CESQGs that participate. This fee is usually less than the CESQG would pay to contract for hazardous waste disposal on its own. These programs can provide small businesses and farmers with an economical and environmentally sound way to dispose of their hazardous wastes.

Program sponsors are also encouraged by the Department to work with local industries in an attempt to garner financial and/or technical support to reduce the cost of HHW collection to the community. Additionally, municipalities have been, and will continue to be encouraged to work together to maximize their resources. Cooperative efforts have been fruitful in the past in the areas of shared educational expenses, joint municipal bidding of contractor fees and shared usage or user agreements between municipalities with permitted facilities and those without. This can help maximize the cost and participation advantages of permitted facilities. Another area that may have promise is the creation of jointly owned and/or operated regional permitted facilities used as a base facility through a network of mobile collection locations or events.

Also, it should be noted that progress has been made by several private firms interested in providing HHW collection services on a per-fee basis directly to homeowners. The first two privately owned and operated permitted facilities each received a permit to operate in 1999. These two facilities are located in Hudson, New York and Syracuse, New York.

VI. Conclusions

It is clear from the decade of data collected and presented in this report that HHW collection programs in New York State have grown significantly. The level of effort and financial resources dedicated by local municipalities has been significant and the fruits of that effort are evident in the data. Similarly, the State's commitment to HHW programs through reimbursements to local municipalities via the HHW State Assistance Program is also evident.

It is our hope and expectation that the costs of operating collection days and permitted facilities will continue to be reduced, primarily due to the continued efforts of the local municipal sponsors and their expanded expertise in this area, as well as more inter-municipal cooperation to help maximize State and local dollars expended on these programs.

As identified in Section IV, the participation rates at both collection days and permitted facilities have increased significantly in the last few years. This trend is vital for the long-term success of these programs. Although the participation has doubled for collection days since 1992 and doubled for permitted facilities since 1995, the actual participation rates are still only at slightly over 1/2 of 1% for collection days and slightly over 1% for permitted facilities. Even after adjusting the participation rate calculation to a full-population basis by assuming each participant represents an average family in New York State of 3.22 people, the total participation rate is still only slightly over 1.5 % for collection days and approximately 3.5% for permitted facilities.

Due to the high costs of the programs for HHW collection and disposal on a per-ton basis, their long-term survival in their current form could be in jeopardy. Continued and renewed interest is crucial at this time to find creative ways to develop these programs more completely and efficiently in the new millennium to enhance participation while continuing to reduce costs. The recent resurgence of private firms into this arena may play a critical role in sustaining these valuable programs. Several are beginning to offer door-to-door HHW collection. These services are designed to make it easier for communities and their residents to institute and maintain a program while increasing participation rates. This service has been expanding in other parts of the country and it is anticipated that this variety of service will expand in New York State as well in the future.

APPENDIX A

The following publications are available from the Department's Regional Offices and by contacting the Central Office at:

New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials
Bureau of Waste Reduction and Recycling
50 Wolf Road, Albany, NY 12233-7253
(518) 457-6072

- ! "Managing and Disposing of Household Hazardous Waste" - contains information on different types of household hazardous waste, including hazards and appropriate disposal methods for each
- ! "Household Hazardous Waste: Reduce Your Use" - a brochure describing alternatives to using hazardous products, including a fold-out wall chart
- ! Tipstrip series on Household Hazardous Waste: Cleaning and Maintenance Product Disposal, Automotive Product Disposal, Paint Disposal, Solvent Disposal, and Pesticide Disposal
- ! "Household Products: Chemical Awareness" - a middle school science curriculum, with a teacher's guide and student activity sheets
- ! "Household Hazards: A Guide to Detoxifying Your Home" - a book written by the League of Women Voters of Albany County (limited availability; single copies only)
- ! "Do You Generate Hazardous Waste? A Guide for Farmers" - discussion of hazardous waste regulations that apply to farmers
- ! Household Hazardous Waste Summary report for years 1988 to 1999
- ! 6 NYCRR Subpart 373-4 - Facility Standards for Collection of Household Hazardous Waste and Hazardous Waste from Conditionally Exempt Small Quantity Generators, Effective July 29, 1995.
- ! "Household Hazardous Waste State Assistance Program" - Application Package
- ! HHW Collection Day Report Form and Instructions
- ! HHW Collection & Storage Facility Year-End Report Form and Instructions

APPENDIX B

COLLECTION DAYS SUMMARY STATISTICS

Calendar Year	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Number of Collection Days	31	51	73	52	42	60	58	56	66	74	77	94
Number of Sponsors That Conducted at Least One Day	13	17	19	16	18	24	24	26	28	33	33	39
Number of Participants	5,015	13,957	16,441	17,451	15,896	28,614	28,221	31,058	25,223	27,772	32,283	39,212
Average Participants/day (#)	162	274	225	336	378	477	487	555	382	375	419	417
Population Served	4,831,000	5,903,800	4,509,558	11,919,291	4,185,270	12,117,795	12,375,597	5,446,997	5,927,625	5,777,638	6,282,182	6,404,209
% of Population Served	26.85%	32.82%	25.07%	66.25%	23.26%	67.35%	68.79%	30.28%	32.95%	32.11%	34.92%	35.60%
Average Participation Rate	0.10%	0.24%	0.36%	0.15%	0.38%	0.24%	0.23%	0.57%	0.43%	0.48%	0.51%	0.61%
Total Liquid HHW (gal)	36,441	83,969	50,195	39,497	74,375	90,072	93,175	244,557	169,888	222,548	313,608	394,739
Total Solid HHW (pounds)	144,500	352,025	819,115	984,444	657,134	1,429,627	1,515,574	185,956	158,180	182,715	473,772	383,503
Total HHW (tons) *	224.0	525.7	618.6	656.7	638.3	1,090.0	1,145.9	1,111.6	786.7	1,018.3	1,543.1	1,835.8
Total HHW Drums Collected	1,861	4,017	5,393	5,928	4,330	7,295	7,466	5,212	4,300	4,590	7,525	8,144
Average HHW Tons/day	7.23	10.31	8.47	12.63	15.20	18.17	19.76	19.85	11.92	13.76	20.04	19.53
Ave. HHW Tons/participant	0.045	0.038	0.038	0.038	0.040	0.038	0.041	0.036	0.031	0.037	0.048	0.047
Total Cost (dollars)	540,748	961,500	1,653,999	1,724,212	1,624,740	2,998,179	2,333,879	1,488,215	1,259,091	1,268,721	1,722,893	1,858,591
Disposal (dollars)	540,748	961,500	1,477,285	1,528,635	1,460,838	2,401,412	2,004,545	1,324,246	1,097,556	1,020,325	1,409,792	1,583,436
Other** (dollars)	0	0	176,714	195,577	163,902	596,767	329,334	163,969	161,535	248,396	313,101	275,155
Average Cost/day	\$17,443	\$18,853	\$22,658	\$33,158	\$38,684	\$49,970	\$40,239	\$26,575	\$19,077	\$17,145	\$22,375	\$19,772
Average Cost/participant	\$107.83	\$68.89	\$100.60	\$98.80	\$102.21	\$104.78	\$82.70	\$47.92	\$49.92	\$45.68	\$53.37	\$47.40
Average Disp. Cost/ton HHW	\$2,414	\$1,829	\$2,388	\$2,328	\$2,288	\$2,203	\$1,749	\$1,191	\$1,395	\$1,002	\$914	\$863
Average Total Cost/ton HHW	\$2,414	\$1,829	\$2,674	\$2,625	\$2,545	\$2,751	\$2,037	\$1,339	\$1,601	\$1,246	\$1,117	\$1,012

* Liquid HHW @ 8.33 pounds/gallon.

** Other Costs - Include costs related to Staffing, Public Education/publicity, Supplies, and Equipment etc.

PERMITTED FACILITIES SUMMARY STATISTICS

Calendar Year	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Permitted Facilities (#)	1	1	2	6	7	8	9	9	12	12	12	12
Number of Participants	No Data	No Data	No Data	3,782	No Data	17,233	30,846	13,175	20,101	25,911	26,893	30,632
Population Served	25,000	25,000	1,312,444	1,606,444	1,796,444	1,557,400	1,843,002	2,009,000	2,445,058	2,451,058	2,468,218	2,467,218
% of Population Served	0.14%	0.14%	7.30%	8.93%	9.99%	8.66%	10.24%	11.17%	13.59%	13.62%	13.72%	13.71%
Average Participation Rate	No Data	No Data	No Data	0.24%	No Data	1.11%	1.67%	0.66%	0.82%	1.06%	1.09%	1.24%
Total Liquid HHW (gal)	No Data	No Data	No Data	22,987	No Data	42,544	42,707	111,977	74,876	139,053	334,805	254,556
Total Solid HHW (pounds)	No Data	No Data	No Data	116,662	No Data	125,904	363,767	40,475	51,711	320,283	1,331,968	436,064
Total HHW (tons) *	No Data	No Data	No Data	154.1	No Data	240.1	359.8	486.6	337.7	739.3	2,060.4	1,278.3
Total HHW Drums Collected	No Data	No Data	No Data	1,352	No Data	1,699	2,472	2,310	2,519	3,262	3,552	3,699
Ave. HHW Tons/participant	No Data	No Data	No Data	0.041	No Data	0.014	0.012	0.037	0.017	0.029	0.077	0.042
Total Cost (dollars)	No Data	No Data	No Data	No Data	No Data	639,047	816,841	874,498	771,157	921,641	1,102,409	1,062,493
Disposal (dollars)	No Data	No Data	No Data	No Data	No Data	441,418	559,905	699,651	643,964	708,548	880,253	950,285
Other** (dollars)	No Data	No Data	No Data	No Data	No Data	197,629	256,936	174,847	127,193	213,093	222,156	112,208
Average Cost/participant	No Data	No Data	No Data	No Data	No Data	\$37.08	\$26.48	\$66.38	\$38.36	\$35.57	\$40.99	\$34.69
Average Disp. Cost/ton HHW	No Data	No Data	No Data	No Data	No Data	\$1,838	\$1,556	\$1,438	\$1,907	\$958	\$427	\$743
Average Cost/ton HHW	No Data	No Data	No Data	No Data	No Data	\$2,661	\$2,271	\$1,797	\$2,283	\$1,247	\$535	\$831

* Liquid HHW @ 8.33 pounds/gallon.

** Other Costs - Include costs related to Staffing, Public Education/publicity, Supplies, and Equipment etc.

COMBINED COLLECTION DAYS AND PERMITTED FACILITIES SUMMARY STATISTICS

Calendar Year	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Number of Participants	5,015	13,957	16,441	21,233	15,896	45,847	59,067	44,233	45,324	53,683	59,176	69,844
Population Served	4,856,000	5,928,800	5,822,002	13,525,735	5,981,714	13,675,195	14,218,599	7,455,997	8,372,683	8,228,696	8,750,400	8,871,427
Average Participation Rate	0.10%	0.24%	0.28%	0.16%	0.27%	0.34%	0.42%	0.59%	0.54%	0.65%	0.68%	0.79%
Total Liquid HHW (gal)	36,441	83,969	50,195	62,484	74,375	132,616	135,882	356,534	244,764	361,601	648,413	649,295
Total Solid HHW (pounds)	144,500	352,025	819,115	1,101,106	657,134	1,555,531	1,879,341	226,431	209,891	502,998	1,805,740	819,567
Total HHW (tons) *	224.0	525.7	618.6	810.8	638.3	1,330.1	1,505.6	1,598.2	1,124.4	1,757.6	3,603.5	3,114.1
Total HHW Drums Collected	1,861	4,017	5,393	7,280	4,330	8,994	9,938	7,522	6,819	7,852	11,077	11,843
Total Cost (dollars)	540,748	961,500	1,653,999	1,724,212	1,624,740	3,637,226	3,150,720	2,362,713	2,030,248	2,190,362	2,825,302	2,921,084
Disposal (dollars)	540,748	961,500	1,477,285	1,528,635	1,460,838	2,842,830	2,564,450	2,023,897	1,741,520	1,728,873	2,290,045	2,533,721
Other** (dollars)	0	0	176,714	195,577	163,902	794,396	586,270	338,816	288,728	461,489	535,257	387,363
Average Cost/participant	\$107.83	\$68.89	\$100.60	\$81.20	\$102.21	\$79.33	\$53.34	\$53.42	\$44.79	\$40.80	\$47.74	\$41.82
Average Disp. Cost/ton HHW	\$2,414	\$1,829	\$2,388	\$1,885	\$2,288	\$2,137	\$1,703	\$1,266	\$1,549	\$984	\$636	\$814
Average Total Cost/ton HHW	\$2,414	\$1,829	\$2,674	\$2,127	\$2,545	\$2,735	\$2,093	\$1,478	\$1,806	\$1,246	\$784	\$938

* Liquid HHW @ 8.33 pounds/gallon.

** Other Costs - Include costs related to Staffing, Public Education/publicity, Supplies, and Equipment etc.

LEGEND:

Number of Participants: - Number of cars, and therefore participants that brought waste into the event.

Population Served: - Total Population of the area served by the program.

% of Population Served: - This is the percentage of New York State population served by the program.

Average Participation Rate: - This is the percentage of the participants to the population served by the program.

APPENDIX C

1995 to 1999 HHW Collection Days and Permitted Facilities Schedules and Statistics

The Division of Solid & Hazardous Materials has compiled the following data on each of the HHW collection day programs and permitted facilities programs for the period 1995 through 1999. The information has been gathered from a variety of sources, but primarily through sponsor reporting as required by the State assistance contracts. Note that information gaps generally resulted from reports not submitted. Because these HHW programs involve many participants and a great variety of waste materials, in many cases exact figures are not available and therefore must be estimated. While these figures may provide a useful reference for planning future HHW programs, program sponsors should realize that many factors influence levels of participation and waste collection, such as demography, last HHW collection event conducted, participation rate, and other factors.

The following information is included in the attached charts:

General Information by Calendar Year: Charts 1 through 5:

Sponsoring Organization - For each sponsor, a contact person and phone number are provided.

Eligible Disposal and Other Costs - Based upon the information provided by sponsors, the first figure given represents the cost, in dollars, of collecting and disposing of the waste. This is usually the amount of the bill from the contractor. The second figure shown includes other costs incurred, such as sponsor staff time and publicity.

Population and Participation Data - The first column represents the total population of the area served by the program. The second column is the number of cars, and therefore participants, that brought wastes into the event. The third column represents the number of farmers and conditionally exempt small quantity generators (CESQG's) participating (where applicable).

Facility Data - The first column represents the number of days the collection programs and/or permitted facility was open during the calendar year by the sponsoring organization. The second column lists the dates or days on which the program was conducted by the sponsor.

Waste Collection/Disposal Data by Calendar Year - Charts 6 through 10:

Most data included in these charts has been compiled from the sponsor reports and the manifests used to transport waste from the collection site. The drum sizes and packaging methods as well as waste categories vary widely by contractor. Generally, the waste types shown on the manifests are in DOT shipping categories: Antifreeze, Other HHW, Non-hazardous household waste, Oil-based paint, Latex paint, Flammable liquid, Flammable solid, Acid liquid, Poison solid, Corrosive solid, Oxidizer, Poison liquid, Alkaline liquid, Flammable poison, Spray cans (aerosols), Asbestos, Used oil, Car batteries, Household batteries.

During 1998 the Division revised the “Household Hazardous Waste Collection Day Report” and “Household Hazardous Waste Collection & Storage Facility Year-End Report” forms for uniform reporting and data aggregation purposes. This should significantly improve the accuracy and comparability of the information reported by program sponsors. The categories incorporated in these forms are based upon the material that most commonly is brought in by the residents at the HHW collection events. Some categories, such as fluorescent bulbs and asbestos are included to track the quantities of these materials as some municipalities have indicated an increased interest in these materials. Copies of these report forms are attached in Appendix E. The data received from the sponsors has been transformed to uniform units and regrouped in the following categories as identified in the revised report forms:

- Anti-Freeze - Quantity of antifreeze collected in gallons.
- Used Oil - Quantity of used oil collected in gallons.
- Automotive Batteries - Number of automotive batteries collected.
- Household Batteries - Quantity of household batteries collected in pounds.
- Latex Paint - Quantity of latex paint collected in gallons.
- Oil Paint - Quantity of oil base paint collected in gallons.
- Pesticides - Solids - Quantity of solid pesticides collected in pounds.
- Pesticides - Liquids - Quantity of liquid pesticides collected in gallons.
- Fluorescent Bulbs - Quantity of fluorescent bulbs collected in pounds.
- Asbestos - Quantity of asbestos contaminated waste collected in pounds. Asbestos is not included in the “Total HHW - Solids” below. (In accordance with regulation, asbestos is a solid waste.)
- Other HHW - Solids - Quantity of all other types of solid household hazardous waste that is not reported above, collected in pounds. (e.g., poisons, alkalies, corrosive materials, etc.)
- Other HHW - Liquids - Quantity of all other types of liquid household hazardous waste that is not reported above, collected in gallons. e.g., poisons, corrosive materials, mercury, alkalies, acids, flammable liquids, etc.
- Total Drums - The total number of 30 - 55 gallon waste drums containing household hazardous waste generated.
- Total HHW - Liquids - This is the total quantity of the liquid HHW reported in the above categories.
- Total HHW - Solids - This is the total quantity of the solid HHW reported in the above categories. (Each automotive battery collected is estimated to weigh 25 pounds.)

New York State Department of Environmental Conservation Household Hazardous Waste Program - 1995

S. No	Sponsor			Cost		Population			Facility	
	Name	Contact	Phone #	Disposal	Total	Served	Participants	Farmers, CESQGS	Collection Days	Dates
				(\$)	(\$)	(No.)	(No.)	(No.)	(# Days)	
	COLLECTION DAYS									
1	Town of Oyster Bay	Mrs. Andrea Garone	(516) 677-5748	177,850	177,850	303,000	5,230		8	4/22, 5/21, 6/17, 7/15, 8/19, 9/17, 10/14, 11/18,
2	Town of Hempstead	Mr. Lois M. Beedenbender	(516) 378-2200	174,100	182,893	725,000	5,571		9	4/1, 5/7, 6/3, 7/8, 8/12, 9/9, 10/15, 11/18, 12/9,
3	N. Hempstead SWMA	Ms. Hillary Sencer	(516) 767-4636	57,288	57,288	212,000	876		3	5/20, 9/9, 10/28,
4	Town of Islip	Mr. George Schimps	(516) 224-5650	14,000	14,000	300,000	510		1	10/14,
5	Town of East Hampton	Mr. Robert Pease	(516) 324-7191	62,000	62,250	29,505	624		4	5/20, 5/21, 10/7, 10/8,
6	Village of Babylon	Mr. Ralph A. Scordino	(516) 669-1212	9,040	9,040	12,249	70		1	9/30,
7	Orange County	Mr. William C. Gunther	(914) 291-2640	81,706	105,049	300,000	287	1, 39	4	6/23, 6/24, 10/13, 10/14,
8	Putnam County	Mr. Bruce R. Foley	(914) 278-6130-15	9,770	7,270	91,000	143		1	11/4,
9	Westchester County	Ms. Marianne S. Gallagher	(914) 637-3027	66,671	83,868	887,000	1,754		1	11/4,
10	City of Albany	Joe Giebelhaus	(518) 869-3651	63,285	73,570	110,121	1,079		2	5/20, 9/23,
11	Town of Bethlehem	Ms. Sharon Fisher	(518) 767-9618	37,777	55,443	27,552	839		1	5/20,
12	Town of Colonie	Mr. Mark J. Behuniak	(518) 783-2827	41,892	45,392	80,000	1,800		1	5/13,
13	Columbia County	Ms. Jolene D. Race	(518) 828-0871	11,852	11,852	62,982	281		1	10/21,
14	East Rensselaer County SWMA	Dee Dee Diccicco-Craft	(518) 686-7540	17,411	19,161	47,212	206	2, 2	2	5/20, 9/23,
15	Schenectady County	Mr. Jeffrey S. Edwards	(518) 386-2225	40,663	41,270	149,285	927		1	5/13,
16	Town of Clifton Park	Ms. Olga C. Paidoussis	(518) 371-6651-22	3,950	5,310	32,000	216		1	9/24,
17	Chenango County	Ms. Valerie Verry	(607) 337-1790	13,734	13,734	52,000	460		1	9/23,
18	Onondaga County RRA	Ms. Suzanne D. LaLonde	(315) 453-2866	170,000	201,476	463,000	2,824		2	5/6, 9/16,
19	Oswego County	Auralie Ashley-Marx	(315) 592-2120	161,098	172,479	125,818	3,821	0, 16	2	9/16, 9/23,
20	Tioga County	Ms. Arleta Millage	(607) 565-8130	27,935	35,435	52,000	504		1	9/30,
21	Chemung County	Lee Hanle Young	(607) 734-4453		5,000	94,000	375	3, 0	1	5/20,
22	Barre (T), Orleans Co.	Ms. Peggy Grayson	(716) 344-4035	15,461	17,261	41,846	294		1	10/28,
23	Ontario County	Mr. Kevin Spillane	(716) 396-4482	23,000	24,283	95,000	355		1	6/3,
24	Western Finger Lakes SWMA	Ms. Marjorie T. Haizlip	(315) 946-5650	20,263	34,541	89,123	266		1	9/23,
25	Erie County	Mr. Paul B. Kranz	(716) 858-7713	23,500	32,500	1,000,000	1,746		3	5/13, 7/22, 9/16,
26	Town of Tonawanda	Mr. John G. Hedges	(716) 875-8822		0	65,284			2	10/16, 12/11,
	Sub-total Collection Days			1,324,246	1,488,215	5,446,977	31,058		56	

**New York State Department of Environmental Conservation
Household Hazardous Waste Program - 1995**

S. No	Sponsor			Cost		Population			Facility	
	Name	Contact	Phone #	Disposal	Total	Served	Participants	Farmers, CESQGS	Collection Days	Dates
				(\$)	(\$)	(No.)	(No.)	(No.)	(# Days)	
	<i>PERMITTED FACILITIES</i>									
1	Town of Brookhaven	Mr. Donald H. Nohs	(516) 451-6224	155,385	159,485	415,000	1,539		78	Sat + 1/2 year Wed.
2	Town of Riverhead	Mr. John Reeve	(516) 727-8194		0	23,000			0	No reports received.
3	Town of Southampton	Ms. Judith A. Baker	(516) 283-5210		0	45,000			0	No reports received.
4	Town of Huntington	Ms. Janet Dieterich	(516) 351-3186	65,995	91,556	190,000	4,090		52	Sat
5	Town of Southold	Mr. James Bunchuck	(516) 734-7685		0	25,000			0	No reports received.
6	Town of Shelter Island	Mr. H. B. Sherman	(516) 749-0015		0	10,000			0	No reports received.
7	Rockland County SWMA	Mr. Ronald C. Delo	(914) 365-6226	238,738	288,738	268,000	2,520		20	1 - 2 day, March - Dec.
8	Oneida-Herkimer SWA	Mr. William A. Rabbia	(315) 733-1224	118,963	138,149	320,000	2,612	0, 26	25	Sat - from mid April to end Sept.
9	Monroe County	Thomas M. Sinclair	(716) 760-7610	120,570	196,570	713,000	2,414	0, 23	17	Perm Facility
	Sub-total Permitted Facilities			699,651	874,498	2,009,000	13,175		192	
	<i>GRAND-TOTAL</i>			2,023,897	2,362,713	7,455,977	44,233		248	

**New York State Department of Environmental Conservation
Household Hazardous Waste Program - 1996**

S. No	Sponsor			Cost		Population			Facility	
	Name	Contact	Phone #	Disposal	Total	Served	Participants	Farmers, CESQGS	Collection Days	Dates
				(\$)	(\$)	(No.)	(No.)	(No.)	(# Days)	
	COLLECTION DAYS									
1	Town of Oyster Bay	Mrs. Andrea Garone	(516) 677-5748	195,178	195,178	303,000	5,090		8	4/29, 5/20, 6/15, 7/13, 8/17, 9/21, 10/19, 11/17,
2	Town of Hempstead	Mr. Lois M. Beedenbender	(516) 378-2200	210,906	255,895	800,000	6,859		10	3/9, 4/13, 5/5, 6/15, 7/13, 8/10, 9/7, 10/6, 11/17, 12/14
3	N. Hempstead SWMA	Ms. Hillary Sencer	(516) 767-4636	20,000	20,000	212,000	419		1	8/17,
4	City of Glen Cove	Mr. Jerry Gardrvits	(516) 676-4402		0	30,000	257		1	9/7,
5	Town of Islip	Mr. George Schimps	(516) 224-5650	15,000	15,000	380,000	300		1	10/19,
6	Town of East Hampton	Mr. Robert Pease	(516) 324-7191	28,800	30,152	29,505	587		4	5/18,5/19,10/19,10/20
7	Village of Babylon	Mr. Ralph A. Scordino	(516) 669-1212	8,090	8,090	12,249	88		1	9/28,
8	Dutches County RRA	Mr. C. Scott Daniels	(914) 463-6020	33,225	36,094	265,000			2	9/2, 10/19, No waste report recd.
9	Orange County	Mr. William C. Gunther	(914) 291-2640	56,970	75,196	310,000	647	1,30	4	6/7,6/8,9/27,9/28
10	Putnam County	Mr. Bruce R. Foley	(914) 278-6130-15	13,660	15,265	85,000	293		1	10/19,
11	Westchester County	Ms. Marianne S. Gallagher	(914) 637-3027	60,200	74,700	887,000	1,175		1	11/2,
12	City of Albany	Joe Giebelhaus	(518) 869-3651		0	110,121	1,967		2	5/18,9/21
13	Town of Bethlehem	Ms. Sharon Fisher	(518) 767-9618	36,769	40,794	27,552	880		1	5/18,
14	Town of Colonie	Mr. Mark J. Behuniak	(518) 783-2827	42,200	49,000	80,000			1	5/11, No waste report received.
15	East Rensselaer County SWMA	Dee Dee Diccicco-Craft	(518) 686-7540		0	21,000	71	0,2	1	5/18,
16	Town of Clifton Park	Ms. Olga C. Paidoussis	(518) 371-6651-22	9,500	10,300	32,000	211		1	9/29,
17	Chenango County	Ms. Valerie Verry	(607) 337-1790	32,726	32,726	52,000	463		1	6/8,
18	Madison County	Mr. James A. Zecca	(315) 361-5408	18,325	20,587	51,740			6	8/17,24; 9/7,14,21,28; w/ Oneida-Herkimer SWA
19	Onondaga County RRA	Ms. Suzanne D. LaLonde	(315) 453-2866	145,000	170,000	463,000	3,299		2	5/18,9/14,
20	Chemung County	Lee Hanle Younge	(607) 734-4453		5,000	94,000	824	1,1	1	5/18, No waste report received.
21	GLOW SWM Comm.	Ms. Peggy Grayson	(716) 344-4035		0	215,550			3	12/15,4/20,4/27, No waste reports received.
22	Ontario County	Mr. Kevin Spillane	(716) 396-4482	56,424	59,531	95,000	327	84,0	2	4/20, 9/26
23	Schuyler County	Ms. Michelle Benjamin	(607) 535-7162	6,940	8,940	18,000	127		2	10/12,
24	Western Finger Lakes SWMA	Ms. Marjorie T. Haizlip	(315) 946-5650	63,143	83,143	212,908		86,0	4	11/5, 11/7,
25	Chautauqua County DPW	Mr. Theodore Osborne	(716) 985-4785	10,000	16,000	141,000	102		2	9/21, 10/5,
26	Town of Amherst	Mr. Paul B. Kranz	(716) 858-7713	15,000	15,000	1,000,000	612		1	5/18,
27	City of Buffalo			11,000	12,000		400	1	9/7,	
28	Town of Concord			8,500	10,500		225	1	10/26,	
	Sub-total Collection Days			1,097,556	1,259,091	5,927,625	25,223		66	

**New York State Department of Environmental Conservation
Household Hazardous Waste Program - 1996**

S. No	Sponsor			Cost		Population			Facility	
	Name	Contact	Phone #	Disposal	Total	Served	Participants	Farmers, CESQGS	Collection Days	Dates
				(\$)	(\$)	(No.)	(No.)	(No.)	(# Days)	
	<u>PERMITTED FACILITIES</u>									
1	Town of Brookhaven	Mr. Donald H. Nohs	(516) 451-6224	194,769	214,769	415,000	1,624		104	Sat. & Wed.
2	Town of Riverhead	Mr. John Reeve	(516) 727-8194	40,206	43,406	26,000	7,000		5	12/29/95, 3/16, 5/11, 8/17, 11/23
3	Town of Southhampton	Ms. Judith A. Baker	(516) 283-5210		0	45,000			0	No reports received.
4	Town of Huntington	Ms. Janet Dieterich	(516) 351-3186	61,660	79,900	190,000	4,222		52	Sat.
5	Town of Southold	Mr. James Bunchuck	(516) 734-7685		0	25,000			0	No reports received.
6	Town of Shelter Island	Mr. H. B. Sherman	(516) 749-0015		0	10,000			0	No reports received.
7	Rockland County SWMA	Mr. Ronald C. Delo	(914) 365-6226		0	268,000			20	1 - 2 day, March - Dec.
8	Ulster County RRA	Ms. Emilie E. Hauser	(914) 336-0600	29,115	44,907	156,774	667		5	8/17, 9/7, 9/21, 10/19, 11/16,
9	Oneida-Herkimer SWA	Mr. William A. Rabbia	(315) 733-1224	113,270	96,231	320,000	2,800	0,19	26	Sat - from mid April to end of Sept.
10	Broome County	Ms. Lisa D. Foley	(607) 778-2482	14,000	14,000	211,000	51		26	2/17, Alt. Saturdays, No year-end report received.
11	Monroe County	Thomas M. Sinclair	(716) 760-7610	182,944	268,944	713,000	3,259	0,45	23	1/20; 2/17; 3/23; 4/20; 5/11,15; 6/1,29; 7/13,23,27; 8/10,17,27; 9/14,18,28; 10/12,16,26; 11/16; 12/4,14;
12	Town of Tonawanda	Mr. John G. Hedges	(716) 875-8822	8,000	9,000	65,284	478		241	7/20, and all work days.
	Sub-total Permitted Facilities			643,964	771,157	2,445,058	20,101		502	
	<u>GRAND-TOTAL</u>			1,741,520	2,030,248	8,372,683	45,324		568	

New York State Department of Environmental Conservation Household Hazardous Waste State Assistance Program - 1997

S. No	Sponsor			Cost		Population			Facility	
	Name	Contact	Phone #	Disposal	Total	Served	Participants	Farmers, CESQGS	Collection Days	Dates
				(\$)	(\$)	(No.)	(No.)	(No.)	(# Days)	
	<i>COLLECTION DAYS</i>									
1	Town of Oyster Bay	Mrs. Andrea Garone	(516) 677-5748	121,210	121,210	303,000	4,951		8	4/19, 5/18, 6/14, 7/12, 8/16, 9/20, 10/18, 11/16,
2	Town of Hempstead	Mr. Lois M. Beedenbender	(516) 378-2200	189,503	272,599	800,000	6,637		10	3/15, 4/13, 5/18, 6/7, 7/12, 8/9, 9/6, 10/5, 11/16, 12/6,
3	N. Hempstead SWMA	Ms. Hillary Sencer	(516) 767-4636	35,845	35,845	212,000	1,227		3	4/12, 6/21, 10/19
4	City of Glen Cove	Mr. Jerry Gardrvits	(516) 676-4402		0	28,000	300		1	9/13, No report received.
5	Town of Islip	Mr. Peter R. Daly	(516) 224-5650		0	305,000	471		1	10/4, No report received.
6	Town of East Hampton	Mr. Robert Pease	(516) 324-7191	36,495	36,495	16,200	452		3	6/28,29; 9/27;
7	Village of Babylon	Mr. Ralph A. Scordino	(516) 669-1212	6,642	6,642	12,249	52		1	9/27,
8	Dutches County RRA	C. Scott Daniels	(914) 463-6020	60,000	70,000	130,000	539		2	5/31, 6/28
9	Orange County	Mr. William C. Gunther	(914) 291-2640	50,876	76,970	307,647	510		4	5/2,3 & 9/26,27
10	Putnam County	Mr. Bruce R. Foley	(914) 278-6130	20,276	20,276	91,000	349		1	10/18
11	Westchester County	Ms. Marianne S. Gallagher	(914) 637-3027	61,170	97,170	875,000	1,396		2	10/18, 11/1
12	City of Albany	Joe Giebelhaus	(518) 869-3651	17,012	17,812	30,000	150		2	5/17, 9/20, No report received.
13	Town of Bethlehem	Ms. Sharon Fisher	(518) 767-9618		0	27,552	810		1	5/3, No report received.
14	Town of Colonie	Mr. Mark J. Behuniak	(518) 783-2827	41,085	44,941	78,000	750		1	5/10
15	Columbia County	Ms. Jolene D. Race	(518) 828-0871		0	62,982	560		1	9/13, No report received.
16	Delaware County	Ms. Susan McIntyre	(607) 746-2128		0	47,000	324		1	9/6, No report received.
17	East Rensselaer County SWMA	Dee Dee Diccicco-Craft	(518) 686-7540		0	32,000	178		2	5/17, 9/20
18	Town of Clifton Park	Ms. Olga C. Paidoussis	(518) 371-6651	11,250	12,250	30,000	225		1	9/28
19	Jefferson County	Mr. Michael Kaskan	(315) 785-9072	22,605	25,105	110,943	330		1	10/11
20	Cayuga County	Mr. Bruce R. Natale	(315) 253-1203	20,200	28,100	82,313	310		1	10/25,
21	Madison County	Mr. James A. Zecca	(315) 361-8408		0	51,740			12	w/ Oneida-Herkimer SWA
22	Onondaga County RRA	Ms. Suzanne D. LaLonde	(315) 453-2866	137,000	177,000	463,220	2,871		2	5/17, 9/13
23	Tioga County	Ms. Cindy Buiniskis	(607) 565-8130	18,731	27,114	51,740	339		1	9/27
24	Chemung County	Lee Hanle Younge	(607) 734-4453	22,716	26,216	95,000	761		1	5/17
25	GLOW SWM Comm.	Ms. Peggy Grayson	(716) 344-4035	21,035	28,535	215,550	323		2	5/10, 5/17,
26	Ontario County	Mr. Kevin Spillane	(716) 396-4482	25,240	27,488	98,000	379		1	4/19,
27	Schuyler County	Ms. Michelle Benjamin	(607) 535-7162	5,519	9,939	18,662	89		1	10/18,
28	Chautauqua County DPW	Mr. Theodore Osborne	(716) 985-4785	15,700	21,700	141,000	195		2	5/17, 9/13
29	Erie County			14,000	14,000		496		1	10/4,
30	Town of Amherst	Mr. Paul B. Kranz	(716) 858-7713	25,000	26,000	1,000,000	890		1	5/10,
31	Town of Orchard Park			15,000	16,000		587	1	6/21	
32	City of Buffalo			8,000	10,800		321	1	9/6,	
33	City of Niagara Falls			Mr. Christopher Schmidt	(716) 286-4460		18,215	18,515	61,840	
	Sub-total Collection Days			1,020,325	1,268,721	5,777,638	27,772		74	

**New York State Department of Environmental Conservation
Household Hazardous Waste State Assistance Program - 1997**

S. No	Sponsor			Cost		Population			Facility	
	Name	Contact	Phone #	Disposal	Total	Served	Participants	Farmers, CESQGS	Collection Days	Dates
				(\$)	(\$)	(No.)	(No.)	(No.)	(# Days)	
	<u>PERMITTED FACILITIES</u>									
1	Town of Brookhaven	Mr. Donald H. Nohs	(516) 451-6224	142,208	162,208	420,000	1,715		83	52 Wed. + 31 Sat.
2	Town of Riverhead	Mr. John Reeve	(516) 727-8194		0	26,000	2,600		4	5/31, 8/30, 10/25, 1/18
3	Town of Southhampton	Ms. Judith A. Baker	(516) 283-5210	43,338	43,338	45,000	700		55	No dates reported.
4	Town of Huntington	Ms. Janet Dieterich	(516) 351-3186	52,120	83,060	190,000	4,469		52	Sat.
5	Town of Southold	Mr. James Bunchuck	(516) 734-7685		0	25,000	5,000		104	Tue. + Sat.
6	Town of Shelter Island	Mr. H. B. Sherman	(516) 749-0015		0	10,000			365	All days; No report received.
7	Rockland County SWMA	Mr. Ronald C. Delo	(914) 365-6226	177,558	237,558	268,000	2,951		24	1-3 Days/Mo. Mar - Dec.
8	Ulster County RRA	Ms. Emilie E. Hauser	(914) 336-0600	26,375	55,116	156,774	615		4	4/19, 6/14, 9/6, 10/25,
9	Oneida-Herkimer SWA	Mr. William A. Rabbia	(315) 733-1224	104,730	127,877	320,000	2,456		12	2nd & 4th Sat. of April to Sept.
10	Broome County	Ms. Lisa D. Foley	(607) 778-2482		0	212,000			35	No report Received.
11	Monroe County	Thomas M. Sinclair	(716) 760-7610	154,335	182,335	713,000	4,405		24	1/25; 3/22; 4/5,19,26,30; 5/3,17,21; 6/7,21,28; 7/12,15,26; 8/2,9,27; 9/20,24; 10/4,25; 11/15; 12/2;
12	Town of Tonawanda	Mr. John G. Hedges	(716) 875-8822	7,885	30,150	65,284	1000*		260	All work days.
	Sub-total Permitted Facilities			708,548	921,641	2,451,058	25,911		1,022	
	<u>GRAND-TOTAL</u>			1,728,873	2,190,362	8,228,696	53,683		1,096	

* Number of participants for Tonawanda estimated at slightly above average participation rate of other municipalities reporting participation.

New York State Department of Environmental Conservation Household Hazardous Waste State Assistance Program - 1998

S. No	Sponsor			Cost		Population			Facility	
	Name	Contact	Phone #	Disposal	Total	Served	Participants	Farmers, CESQGS	Collection Days	Date(s)
				(\$)	(\$)				(No.)	
COLLECTION DAYS										
1	Town of Oyster Bay	Mrs. Andrea Garone	(516) 677-5748	163,901	164,101	303,000	4,994		8	4/18, 5/17, 6/13, 7/11, 8/15, 9/19, 10/17, 11/15
2	Town of Hempstead	Mr. Lois M. Beedenbender	(516) 378-2200	195,769	283,574	800,000	6,988		10	3/21,4/19,5/17,6/13, 7/18, 8/15, 9/12,10/4,11/15,12/5,
3	N. Hempstead SWMA	Ms. Hillary Sencer	(516) 767-4636	58,700	64,700	212,000	1,513		4	4/4, 6/13, 8/15, 10/18,
4	City of Glen Cove	Mr. Jerry Gardvits	(516) 676-4402	28,542	28,582	28,000	350		1	9/26,
5	Town of Islip	Mr. George Schimpf	(516) 224-5645	17,595	20,590	330,000	449		1	10/3,
6	Town of East Hampton	Mr. Robert Pease	(516) 324-7191	42,030	44,046	16,779	465		4	5/23; 6/27, 9/26, 10/24,
7	Village of Babylon	Mr. Ralph A. Scordino	(516) 669-1212	6,292	6,292	12,249	80		1	9/26,
8	Dutchess County RRA	C. Scott Daniels	(914) 463-6020	61,000	68,000	265,000	441		2	5/30, 6/27
9	Orange County	Mr. William C. Gunther	(914) 291-2640	78,434	103,316	324,422	705	3, 27	2	5/2, 9/26
10	Putnam County	Mr. Bruce R. Foley	(914) 278-6130	23,875	26,081	91,000	284		2	5/16, 10/17,
11	Westchester County	Ms. Marianne S. Gallagher	(914) 637-3027	49,850	96,050	887,000	1,224		3	6/7, 10/18, 11/7
12	City of Albany	Joe Giebelhaus	(518) 869-3651	84,075	95,755	230,000	1,325		2	5/16, 9/19,
13	Town of Bethlehem	Ms. Sharon Fisher	(518) 767-9618	52,669	61,220	27,552	1,242		2	5/2, 5/3
14	Town of Colonie	Mr. Mark J. Behuniak	(518) 783-2827	47,435	52,215	78,000	900		1	5/9,
15	Delaware County	Ms. Susan McIntyre	(607) 746-2128	31,230	32,606	47,000	130	19,1	1	9/12,
16	Otsego County	Ms. Diane V. Carlton	(607) 547-4225	28,610	30,654	61,000	403	23, 0	1	10/3,
17	East Rensselaer County SWM	Dee Dee Diccico-Craft	(518) 686-7540	17,550	18,869	37,212	265	0, 5	2	5/16, 9/19,
18	Schenectady County	Mr. Jeffrey S. Edwards	(518) 386-2225	83,206	83,793	165,285	2,153		1	5/30,
19	Town of Clifton Park	Ms. Olga C. Paidoussis	(518) 371-6651	9,290	10,149	32,000	264		1	9/27,
20	Jefferson County	Mr. Michael Kaskan	(315) 785-9072	8,842	16,866	110,943		40, 0	2	7/11, 12/12, (farmers only)
21	Madison County	Mr. James A. Zecca	(315) 361-8408	9,289	12,178	69,166	56		10	5/16,30; 6/13,27; 7/11,25; 8/8,22; 9/12,26; w/Oneida-Herkimer
22	Onondaga County RRA	Ms. Suzanne D. LaLonde	(315) 453-2866	125,000	170,000	463,220	2,690		2	5/16, 9/19
23	Chemung County	Lee Hanle Younge	(607) 734-4453	11,312	12,811	95,000	400	1, 2	1	5/9,
	GLOW SWM Comm.									Mgt. of HHW collection for Batavia & Rock Glen.
24	Batavia (T), Genesee Co.	Ms. Peggy Grayson	(716) 344-4035	12,798	19,234	128,881	330		1	5/9,
25	Rock Glen (T), Wyoming Co.			8,401	12,789	87,873	225		1	5/16,
26	Ontario County	Mr. Kevin Spillane	(716) 396-4482	28,420	31,691	98,000	432		1	4/18,
27	Western Finger Lakes SWMA	Ms. Marjorie T. Haizlip	(315) 946-5650	12,255	23,936	115,000	305	0, 12	2	6/20, 6/27
28	Chautauqua County DPW	Mr. Theodore Osborne	(716) 985-4785	18,100	24,600	141,000	178	0, 1	2	5/2, 5/16
	Erie County									Management of HHW collection for Erie County Towns
29	Town of Amherst	Mr. Paul B. Kranz	(716) 858-7897	20,000	25,000	1,000,000	833	0,15	2	5/16, 8/19,
30	Town of Orchard Park			15,000	17,500		710		1	6/20,
31	City of Buffalo			15,000	17,500		617		1	9/12, 9/25 (mercury Thermometers)
32	Town of Cheektowaga			18,000	20,000		1,070		1	10/17,
33	Town of Lewiston			Mr. Robert Gallucci	(716) 754-8213		27,323	28,196	25,600	262
	Sub-total Collection Days			1,409,792	1,722,893	6,282,182	32,283		77	

New York State Department of Environmental Conservation Household Hazardous Waste State Assistance Program - 1998

S. No	Sponsor			Cost		Population			Facility	
						Served	Participants	Farmers, CESQGS	Collection Days	Date(s)
	Name	Contact	Phone #	Disposal (\$)	Total (\$)	(No.)	(No.)	(No.)	(# Days)	
	PERMITTED FACILITIES									
1	Town of Brookhaven	Mr. Dennis J. Lynch	(516) 451-6222	97,210	97,210	420,000	1,854		83	52 W + 31 Sat.
2	Town of Riverhead	Mr. John Reeve	(516) 727-3200	25,850	26,300	26,000	1,000		2	5/30, 8/29
3	Town of Southhampton	Ms. Judith A. Baker	(516) 283-5210	41,380	41,380	51,000	700		156	Tue, Thu, & Sat.
4	Town of Huntington	Mr. Brian Tuohey	(516) 427-6377	53,287	60,454	190,000	4,592		52	Sat.
5	Town of Southold	Mr. James Bunchuck	(516) 734-7685	18,883	41,111	25,000	3,000		104	Tue. & Sat.
6	Town of Shelter Island	Mr. Gerard Siller	(516) 749-0015	40,350	47,850	8,000	1,400		362	All Days
7	Rockland County DOH	Ms. Kathleen H. Smith	(914) 364-2086	182,435	262,435	280,000	4,308	0, 32	21	10 F, 9 Sat, 2 Sun;
8	Ulster County RRA	Ms. Emilie E. Hauser	(914) 336-0600	20,607	40,094	156,774	384		2	5/16, 10/17
9	Oneida-Herkimer SWA	Mr. William A. Rabbia	(315) 733-1224	81,561	90,580	320,000	2,416	0, 19	12	4/18; 5/2,16,30; 6/13,27; 7/11,25; 8/8,22; 9/12,26;
10	Broome County	Ms. Lisa Foley	(607) 778-2482	82,201	138,088	212,160	858	13, 65	35	11/13, 11/14, Pesticides from farmers only + perm.
11	Monroe County	Thomas M. Sinclair	(716) 760-7610	225,885	238,453	714,000	5,381	0, 83	24	1/17; 3/3; 4/4,14,18; 5/2,5,16; 6/6,13,23,27; 7/14; 8/4,8,8,29; 9/12,19,26; 10/3,26; 11/19; 12/12;
12	Town of Tonawanda	Mr. John G. Hedges	(716) 875-8822	10,605	18,455	65,284	1000*		260	All Work Days
	Sub-total Permitted Facilities			880,253	1,102,409	2,468,218	26,893		1,113	
	GRAND-TOTAL			2,290,045	2,825,302	8,750,400	59,176		1,190	

* Number of participants for Tonawanda estimated at slightly above average participation rate of other municipalities reporting participation.

New York State Department of Environmental Conservation Household Hazardous Waste State Assistance Program - 1999

S. No	Sponsor			Cost		Population			Facility	
						Served	Participants	Farmers, CESQGS	Collection Days	Dates
	Name	Contact	Phone #	Disposal (\$)	Total (\$)	(No.)	(No.)	(No.)	(# Days)	
	Collection Days									
1	Town of Oyster Bay	Mrs. Andrea Garone	(516) 677-5748	163,128	163,128	303,000	6,485		8	4/17, 5/16, 6/12, 7/10, 8/14, 9/18, 10/16, 11/14
2	Town of Hempstead	Ms. Lois M. Beedenbender	(516) 378-2200	198,900	260,165	800,000	8,102		10	3/13, 4/18, 5/16, 6/5, 7/17, 8/15, 9/25, 10/23, 11/14, 12/11,
3	N. Hempstead SWMA	Mr. Mathue Miner	(516) 767-4608	58,700	62,100	212,000	1,600		4	4/10, 6/5, 9/18, 10/24,
4	City of Glen Cove	Mr. Thomas Cancelliere	(516) 676-4402	25,273	27,773	28,000			1	10/2,
5	Town of Islip	Mr. Richard Albanese	(631) 224-5640	33,165	48,261	305,000	775		2	5/15, 10/2,
6	Town of East Hampton	Mr. David Paoelli	(631) 324-7191	38,225	39,216	16,779	456		4	5/22, 6/26, 9/25, 10/23,
7	Village of Babylon	Mr. Ralph A. Scordino	(631) 669-4878	8,090	8,090	12,249	80		1	9/25,
8	Dutchess County RRA	C. Scott Daniels	(914) 463-6020	33,463	47,463	262,000	600		2	5/15, 6/5,
9	Orange County	Mr. William C. Gunther	(914) 291-2640	66,437	84,497	324,422	544	1, 21	2	5/8, 9/25, (5/7 & 9/24 CESQG)
10	Putnam County	Mr. Larry C. Werper	(914) 278-6130	11,310	12,288	91,000	152		1	10/16,
11	Westchester County	Ms. Marianne S. Gallagher	(914) 637-3027	57,265	89,765	887,000	1,523		4	6/6, 6/19, 10/23, 11/6,
12	City of Albany	Joe Giebelhaus	(518) 869-3651	76,319	76,319	230,000	1,349		2	5/15, 9/18,
13	Town of Bethlehem	Ms. Sharon Fisher	(518) 767-9618	23,389	27,200	27,552	625		1	5/1,
14	Town of Colonie	Ms. Heather Bishop	(518) 783-2827	28,090	32,844	78,000	750		1	5/8,
15	Columbia County	Ms. Vicki McDarby	(518) 828-2737	34,810	34,810	62,982	498		1	4/24,
16	Delaware County	Ms. Susan McIntyre	(607) 746-2128	26,672	29,307	47,225	190	15, 9	1	9/11,
17	Otsego County	Ms. Marybeth Vargha	(607) 547-4303	17,093	20,655	61,500	188	2, 4	1	6/5,
18	East Rensselaer County SWMA	Dee Dee Diccicco-Craft	(518) 686-7540	18,420	19,123	32,000	263	0, 2	2	5/15, 9/18,
19	Schenectady County	Mr. Jeffrey S. Edwards	(518) 386-2225	52,925	53,535	149,285	1,333		1	5/22,
20	Schoharie County	Ms. Alicia Terry	(518) 234-3751	19,468	20,215	31,859	199		1	9/27,
21	NEWSNY for Clinton County	Ms. Karen G. Flanders	(802) 223-7221	19,620	26,487	82,279	235		2	5/15, 11/20
22	Town of Clifton Park	Mr. Jason Kamper	(518) 371-6651	6,800	7,700	32,000	260		1	9/26,
23	Jefferson County	Mr. Michael Kaskan	(315) 785-9072	12,000	14,000	110,943	249		1	7/17,
24	Cayuga County	Mr. Bruce R. Natale	(315) 253-1203	40,500	50,000	82,313	480	1, 13	1	10/16,
25	Madison County	Mr. James A. Zecca	(315) 361-8408		0	69,166	38		10	5/16,30; 6/13,27; 7/11,25; 8/8,22; 9/12,26; w/Oneida-Herkimer SWA
26	Onondaga County RRA	Mr. Steven R. Stein	(315) 453-2866	158,200	205,000	463,220	2,954	0, 3	4	5/8, 5/8, 9/18, 9/18,
27	Town of Skaneateles	Mr. Dave Laxton	(315) 685-3473	30,680	32,680	7,500	250	8, 2	1	9/25,
28	Oswego County	Ms. Aurlie Ashley-Mark	(315) 349-3564	120,185	132,185	124,465	2,915	0, 17	8	10/2,2,3,16,16,17,23,30;
29	Chemung County	Lee Hanle Younge	(607) 734-4453	10,073	12,494	95,000	400	1, 2	1	5/15,
30	Ontario County	Mr. Kevin Spillane	(716) 396-4482	41,126	49,167	98,000	494	51, 0	2	4/23 Farm Pesticide only; 4/24,
31	Allegany County	Ms. Gretchen Gary	(716) 268-9230	5,610	7,598	50,470	53		1	9/11,
32	Cattaraugus County	Mr. Douglas J. Baldwin	(716) 938-9121		2,277	86,000	43		1	9/18,
33	Chautauqua County DPW	Mr. Theodore Osborne	(716) 985-4785	10,000	14,750	141,000	301		2	5/15, 9/11,
34	Erie County								3	8/28; 9/4,25; In Indian Nations
34	Town of Amherst			33,500	35,500		670	0, 27	1	5/15, (6/18 CESQG)
35	Town of Orchard Park(NEST)			23,000	25,000		655		1	6/19,
36	City of Buffalo	Mr. Paul B. Kranz	(716) 858-7897	29,000	31,000	1,000,000	1,116		1	9/11,
37	Town of Cheektowaga			21,000	23,000		1,323		1	10/23, Odd Years Only(Paul)
38	Town of Tonawanda			16,000	18,000		840		1	9/18, (thermometer); 10/2,
39	City of Niagara Falls	Mr. Christopher Schmidt	(716) 286-8800	15,000	15,000		224		1	10/2,
	Sub-total Collection Days			1,583,436	1,858,591	6,404,209	39,212		94	

**New York State Department of Environmental Conservation
Household Hazardous Waste State Assistance Program - 1999**

S. No	Sponsor			Cost		Population			Facility	
						Served	Participants	Farmers, CESQGS	Collection Days	Dates
	Name	Contact	Phone #	Disposal (\$)	Total (\$)	(No.)	(No.)	(No.)	(# Days)	
	<u>Permitted Facilities</u>									
1	Town of Brookhaven	Mr. Don Nohs	(631) 451-6224	90,360	94,288	420,000	1,558		83	31 W + 52 Sat.
2	Town of Riverhead	Mr. John Reeve	(631) 727-3200	21,035	22,235	24,000	150		2	6/19, 10/02,
3	Town of Southhampton	Ms. Judith McCleery	(631) 283-5210	32,895	32,895	51,000	1,000		156	Tue, Thu, & Sat.
4	Town of Huntington	Mr. Brian Tuohy	(631) 427-6377	45,979	52,605	191,000	4,967		52	Sat.
5	Town of Southold	Mr. James Bunchuck	(631) 734-7685	14,865	38,449	25,000	6,175	325, 0	104	Tue. & Sat.
6	Town of Shelter Island	Mr. Alfred J. Kilb, Jr.	(631) 749-0190	37,994	53,334	8,000	1,400		362	All Days
7	Rockland County DOH	Ms. Kathleen Smith	(914) 364-2086	290,179	320,553	280,000	5,036	0, 48	21	10 F, 9 Sat, 2 Sun;
8	Ulster County RRA	Ms. Emilie E. Hauser	(914) 336-0600	19,800	40,000	156,774	585		2	6/5, 10/6,
9	Oneida-Herkimer SWA	Mr. William A. Rabbia	(315) 733-1224	91,452	95,836	320,000	2,537	0, 25	11	4/17; 5/8,22; 6/12,26; 7/10,31; 8/14,28; 9/11,25;
10	Broome County	Mr. Brian R. Donnelly	(607) 778-6432	69,913	105,214	212,160	750	2, 62	32	First & third Sat. and first Wed. of each month.
11	Monroe County	Thomas M. Sinclair	(716) 760-7610	216,758	187,488	714,000	5,474	0, 113	24	4/14,18; 5/2,16; 6/13,27; 8/8,8, 9/12,19; 10/3, + Perm.
12	Town of Tonawanda	Mr. John G. Hedges	(716) 875-8822	19,055	19,596	65,284	1,000*		261	All Work Days
	Sub-total Permitted Facilities			950,285	1,062,493	2,467,218	30,632		1,110	
	<u>Grand-Total</u>			2,533,721	2,921,084	8,871,427	69,844		1,204	

* Number of participants for Tonawanda estimated at slightly above average participation rate of other municipalities reporting participation.

**New York State Department of Environmental Conservation
Household Hazardous Waste Program - 1995**

S. No	Sponsor Name	Waste Collection/Disposal														
		Anti - Freeze	Used Oil	Automotive Batteries	Household Batteries	Latex Paint	Oil Paint	Pesticides		Fluorescent Bulbs	Asbestos	Other HHW		Total Drums	Total HHW	
		(gal)	(gal)	(No.)	(lbs)	(gal)	(gal)	Solids (lbs)	Liquids (gal)	(lbs)	(lbs)	(lbs)	(gal)	(No.)	Liquids (gal)	Solids (lbs)
	COLLECTION DAYS															
1	Town of Oyster Bay	330	3,625	700	4,450		880	450	3,685		2,690	4,850	7,146	594	15,666	27,250
2	Town of Hempstead	1,210	4,015	768	4,500	9,627			3,115		24,550	1,161	19,458	931	37,425	24,861
3	N. Hempstead SWMA	275	605	15	2,800				864		7,000	600	7,133	328	8,877	3,775
4	Town of Islip	100	700		6,000				216		200	400	1,271	65	2,287	6,400
5	Town of East Hampton	140	177		2,500		385		680			1,000	2,439	100	3,821	3,500
6	Village of Babylon		55	4	750			70	5			928	407	31	467	1,848
7	Orange County						2,260	375	1,252			356	6,118	295	9,630	731
8	Putnam County	55	55		500				96			600	924	35	1,130	1,100
9	Westchester County	300	691	446	29,411		5,098	2,934	290		3,347	996	4,283	262	10,662	44,491
10	City of Albany	456	528		675		6,266	1,730	336			141	5,163	184	12,749	2,546
11	Town of Bethlehem	100	300	218	45	935	550	2,000	223		1,040		3,025	128	5,133	7,495
12	Town of Colonie					385	5,522	810	109			349	3,246	118	9,262	1,159
13	Columbia County						1,116	1,080	131			3,000	831	44	2,078	4,080
14	East Rensselaer County SV	20	200		736	150	1,350	1,400	99		750	10	1,050	57	2,869	2,146
15	Schenectady County	228			150		1,452	3,060	430		3,000	15	2,908	170	5,018	3,225
16	Town of Clifton Park	55	110			495	550						419	29	1,629	0
17	Chenango County	90	330		80	584	1,128	450	72		1,000		1,590	75	3,794	530
18	Onondaga County RRA	385					5,885	6,470	1,592		11,148	3,570	14,222	666	22,084	10,040
19	Oswego County			24	8,170		32,890	200	3,755	1,500	4,800	2,945	22,152	614	58,797	13,415
20	Tioga County		504	20		2,701	1,332		288		10	270	185	66	5,010	770
21	Chemung County								336			205	2,588	82	2,924	205
22	Barre (T), Orleans Co.	120	900		100		1,248	2,000	216		400		1,326	94	3,810	2,100
23	Ontario County	192			2,700		1,873	600	66		500		624	53	2,755	3,300
24	Western Finger Lakes SWM	54			25	250	2,977		288				1,284	85	4,853	25
25	Erie County	391	3,403	638	600	2,357	4,576	4,014	770			400		98	11,497	20,964
26	Town of Tonawanda						330							8	330	0
	Sub-total Collection Days	4,501	16,198	2,833	64,192	17,484	77,668	27,643	18,914	1,500	60,435	21,796	109,792	5,212	244,557	185,956

**New York State Department of Environmental Conservation
Household Hazardous Waste Program - 1995**

S. No	Sponsor Name	Waste Collection/Disposal														
		Anti - Freeze	Used Oil	Automotive Batteries	Household Batteries	Latex Paint	Oil Paint	Pesticides		Fluorescent Bulbs	Asbestos	Other HHW		Total Drums	Total HHW	
		(gal)	(gal)	(No.)	(lbs)	(gal)	(gal)	Solids (lbs)	Liquids (gal)	(lbs)	(lbs)	Solids (lbs)	Liquids (gal)	(No.)	Liquids (gal)	Solids (lbs)
	<i>PERMITTED FACILITIES</i>															
1	Town of Brookhaven		170		900		495	200	767		530	6,900	12,805	306	14,237	8,000
2	Town of Riverhead														0	0
3	Town of Southhampton														0	0
4	Town of Huntington				9,400				804				5,670	275	6,474	9,400
5	Town of Southold														0	0
6	Town of Shelter Island														0	0
7	Rockland County SWMA	520	1,174	10	575		13,852	6,425	855		150	1,425	7,325	433	23,726	8,675
8	Oneida-Herkimer SWA				2,000	3,080	5,555		1,430			8,600	7,315	363	17,380	10,600
9	Monroe County	825				4,950	19,855				1,000	3,800	24,530	933	50,160	3,800
	Sub-total Permitted Facilities	1,345	1,344	10	12,875	8,030	39,757	6,625	3,856	0	1,680	20,725	57,645	2,310	111,977	40,475
	<i>GRAND-TOTAL</i>	5,846	17,542	2,843	77,067	25,514	117,425	34,268	22,770	1,500	62,115	42,521	167,437	7,522	356,534	226,431

Note: Each automotive battery is estimated to weigh 25 pounds.

**New York State Department of Environmental Conservation
Household Hazardous Waste Program - 1996**

S. No	Sponsor Name	Waste Collection/Disposal														
		Anti - Freeze	Used Oil	Automotive Batteries	Household Batteries	Latex Paint	Oil Paint	Pesticides		Fluorescent Bulbs	Asbestos	Other HHW		Total	Total HHW	
		(gal)	(gal)	(No.)	(lbs)	(gal)	(gal)	Solids (lbs)	Liquids (gal)	(lbs)	(lbs)	Solids (lbs)	Liquids (gal)	(No.)	Liquids (gal)	Solids (lbs)
	COLLECTION DAYS															
1	Town of Oyster Bay	878	2,487	694	5,520				1,753		1,995	3,006	10,469	576	15,587	25,876
2	Town of Hempstead	1,210	4,483	806	6,500	130	8,989		3,240		33,600	2,415	22,471	1,109	40,523	29,065
3	N. Hempstead SWMA	55	330	10	2,500				504		200	200	2,164	114	3,053	2,950
4	City of Glen Cove		165	40	500		1,393		72			700	981	118	2,611	2,200
5	Town of Islip							350	61			4,385	404	35	465	4,735
6	Town of East Hampton	110	110		1,500				247				2,499	94	2,966	1,500
7	Village of Babylon		55	5	800			126	13			275	344	24	412	1,326
8	Dutchess County RRA														0	0
9	Orange County	65	600	80			1,776	60	184			3,097	6,484	250	9,109	5,157
10	Putnam County		440		400		2,281	800	72		400	600	172	91	2,965	1,800
11	Westchester County	243			10,907	1,585	2,641	3,200	360		1,500	200	3,014	184	7,843	14,307
12	City of Albany		451		2,400	360	14,300	2,700	36		2,000	605	4,179	207	19,326	5,705
13	Town of Bethlehem		300	112	240	2,832	2,641		374		1,460	20	1,596	101	7,743	3,060
14	Town of Colonie														0	0
15	East Rensselaer County SWMA		165	30	50	37	1,261	150	18				18	19	1,499	950
16	Town of Clifton Park					600	200		100				475	39	1,375	0
17	Chenango County	55	270		45	390	1,340	1,600	168			25	1,971	126	4,194	1,670
18	Madison County														0	0
19	Onondaga County RRA				2,000	3,692	13,051	6,200	1,303		7,950	415	13,488	652	31,534	8,615
20	Chemung County														0	0
21	GLOW SWM Comm.														0	0
22	Ontario County		12		150	480	960	12,355	1,895			315	754	202	4,101	12,820
23	Schuyler County				300		600	450	48				373	25	1,021	750
24	Western Finger Lakes SWMA							21,275	2,280			1,584	40	168	2,320	22,859
25	Chautauqua County DPW						612	650	109	60	200	200	439	40	1,160	910
26	Town of Amherst	185	960	183	371		3,421	914	108			95	878	54	5,552	5,955
27	City of Buffalo	110	550	79	250		770	400	99				478	37	2,007	2,625
28	Town of Concord	110	660	93	120		1,089	900	118				545	35	2,522	3,345
	Sub-total Collection Days	3,021	12,038	2,132	34,553	10,106	57,325	52,130	13,162	60	49,305	18,137	74,236	4,300	169,888	158,180

**New York State Department of Environmental Conservation
Household Hazardous Waste Program - 1996**

S. No	Sponsor Name	Waste Collection/Disposal														
		Anti - Freeze	Used Oil	Automotive Batteries	Household Batteries	Latex Paint	Oil Paint	Pesticides		Fluorescent Bulbs	Asbestos	Other HHW		Total Drums	Total HHW	
		(gal)	(gal)	(No.)	(lbs)	(gal)	(gal)	Solids (lbs)	Liquids (gal)	(lbs)	(lbs)	(lbs)	(gal)	(No.)	(gal)	(lbs)
	<u>PERMITTED FACILITIES</u>															
1	Town of Brookhaven	800	170	23	1,785		4,645		202		450	4,705	2,371	190	8,188	7,065
2	Town of Riverhead				4,950			1,000	151			3,215	2,682	165	2,833	9,165
3	Town of Southhampton														0	0
4	Town of Huntington				12,800				792			400	5,808	289	6,600	13,200
5	Town of Southold														0	0
6	Town of Shelter Island														0	0
7	Rockland County SWMA														0	0
8	Ulster County RRA		350	100	363	340	2,532	2,000	282	178		92	1,270	104	4,774	5,133
9	Oneida-Herkimer SWA				5,500	2,750	5,225		744				5,279	323	13,998	5,500
10	Broome County				4,000	270	330	250	18				128	46	746	4,250
11	Monroe County	495				6,270	10,344		624		2,600	3,200	17,664	1,367	35,397	3,200
12	Town of Tonawanda	135	440	152	154		1,320	244	113				332	35	2,340	4,198
	Sub-total Permitted Facilities	1,430	960	275	29,552	9,630	24,396	3,494	2,926	178	3,050	11,612	35,534	2,519	74,876	51,711
	<u>GRAND-TOTAL</u>	4,451	12,998	2,407	64,105	19,736	81,721	55,624	16,088	238	52,355	29,749	109,770	6,819	244,764	209,891

New York State Department of Environmental Conservation Household Hazardous Waste State Assistance Program - 1997

S. No	Sponsor Name	Waste Collection/Disposal															
		Anti - Freeze	Used Oil	Automotive Batteries	Household Batteries	Latex Paint	Oil Paint	Pesticides		Fluorescent Bulbs	Asbestos	Other HHW		Total Drums	Total HHW		
		(gal)	(gal)	(No.)	(lbs)	(gal)	(gal)	Solids	Liquids	(lbs)	(lbs)	(lbs)	(gal)	(No.)	(gal)	(lbs)	
								(lbs)	(gal)								
	COLLECTION DAYS																
1	Town of Oyster Bay	800	2,545	504	6,000				6,545		2,200	8,600	11,306	670	21,196	27,200	
2	Town of Hempstead	1,265	4,130	831	7,500	520	25,500		4,800		28,400	2,650	20,318	1,008	56,533	30,925	
3	N. Hempstead SWMA	165	2,805		4,000				2,805		3,600	800	11,385	302	17,160	4,800	
4	City of Glen Cove														0	0	
5	Town of Islip														0	0	
6	Town of East Hampton	330	220		3,000				1,045			1,200	7,425	176	9,020	4,200	
7	Village of Babylon		110	5	1,430			90	25			305	288	17	423	1,950	
8	Dutches County RRA	110			1,000			200	3,850		400	3,000	10,560	286	14,520	4,200	
9	Orange County	120	675	38				8,514	1,334	654		9,750	5,032	129	14,995	12,034	
10	Putnam County	110	165		55	330		550	600	275		2,000	275	46	1,705	2,655	
11	Westchester County	330			2,000			1,083	3,800	1,058	330	775	5,655	2,063	142	4,534	11,785
12	City of Albany														0	0	
13	Town of Bethlehem														0	0	
14	Town of Colonie	55	55	28		840	1,500	3,200				6,700	2,760	264	5,210	10,600	
15	Columbia County														0	0	
16	Delaware County														0	0	
17	East Rensselaer County SWMA	28	55	12					330			200	1,930	92	2,343	500	
18	Town of Clifton Park	40	165	6				800	400	110		400	770	37	1,885	950	
19	Jefferson County				5			2,282		440		2,074	39	75	2,761	2,079	
20	Cayuga County	71		69	300			483	1,610	195		2,441	1,385	88	2,134	6,076	
21	Madison County														0	0	
22	Onondaga County RRA	440			3,000	3,080	7,720	5,100	1,019		2,900	11,578	17,137	664	29,396	19,678	
23	Tioga County							1,177				1,685		27	1,177	1,685	
24	Chemung County				500	1,800	3,776		580			2,000	1,930	94	8,086	2,500	
25	GLOW SWM Comm.		1,285	172	220	671	778	1,800	244			170	1,196	79	4,174	6,490	
26	Ontario County				240			1,895	1,220	118		790	659	72	2,672	2,250	
27	Schuyler County					440		165		220		680	165	16	990	680	
28	Chautauqua County DPW	110						913	800	97	165	1,005	567	63	1,687	1,970	
29	Erie County	55	700	96	1,500			1,485	2,543				620	45	2,860	6,443	
30	Town of Amherst	250	1,200	225	500			6,490	2,825				1,920	111	9,860	8,950	
31	Town of Orchard Park	110	920	164	273			2,035	1,740				1,142	49	4,207	6,113	
32	City of Buffalo	110	500	70	2,000			1,485	2,252				925	38	3,020	6,002	
33	City of Niagara Falls														0	0	
	Sub-total Collection Days	4,499	15,530	2,220	33,523	7,681	68,631	29,514	24,410	495	38,275	63,683	101,797	4,590	222,548	182,715	

**New York State Department of Environmental Conservation
Household Hazardous Waste State Assistance Program - 1997**

S. No	Sponsor Name	Waste Collection/Disposal															
		Anti - Freeze	Used Oil	Automotive Batteries	Household Batteries	Latex Paint	Oil Paint	Pesticides		Fluorescent Bulbs	Asbestos	Other HHW		Total Drums	Total HHW		
		(gal)	(gal)	(No.)	(lbs)	(gal)	(gal)	Solids	Liquids	(lbs)	(lbs)	(lbs)	(gal)	(gal)	(No.)	(gal)	(lbs)
								(lbs)	(gal)								
	PERMITTED FACILITIES																
1	Town of Brookhaven		6,062		450		9,460		327		4,650	76	12,643	155	28,492	526	
2	Town of Riverhead	110	1,045		450			525	102			856	3,102	153	4,359	1,831	
3	Town of Southhampton		11,240		17,820		220	8,800						114	11,460	26,620	
4	Town of Huntington				156,000				824			2,600	4,506	257	5,330	158,600	
5	Town of Southold		20,000	1,200	6,500		1,265	1,000	275	750		4,250	715	76	22,255	42,500	
6	Town of Shelter Island														0	0	
7	Rockland County SWMA		819		534	10,363	4,222	6,225	730	850	3,300	7,478	5,217	535	21,351	15,087	
8	Ulster County RRA		894	130	4,150	1,094	1,671	2,400	218	104	800	3,136	1,366	108	5,243	13,040	
9	Oneida-Herkimer SWA		440	2	8,500	3,080	5,280	2,400	1,045			14,000	5,775	385	15,620	24,950	
10	Broome County														0	0	
11	Monroe County	1,788				21,353	10,029	22,200				7,955	13,050	1,597	46,220	30,155	
12	Town of Tonawanda	555	4,625	300			1,650						385	37	7,215	7,500	
	Sub-total Permitted Facilities	2,453	39,063	1,632	193,954	35,890	24,337	43,550	3,194	1,704	4,100	40,275	34,116	3,262	139,053	320,283	
	GRAND-TOTAL	6,952	54,593	3,852	227,477	43,571	92,968	73,064	27,604	2,199	42,375	103,958	135,913	7,852	361,601	502,998	

Note: Each automotive battery is estimated to weigh 25 pounds.

**New York State Department of Environmental Conservation
Household Hazardous Waste State Assistance Program - 1998**

S. No	Sponsor Name	Waste Collection/Disposal														
		Anti - Freeze	Used Oil	Automotive Batteries	Household Batteries	Latex Paint	Oil Paint	Pesticides		Fluorescent Bulbs	Asbestos	Other HHW		Total Drums	Total HHW	
		(gal)	(gal)	(No.)	(lbs)	(gal)	(gal)	(lbs)	(gal)	(lbs)	(lbs)	(lbs)	(gal)	(No.)	(gal)	(lbs)
COLLECTION DAYS																
1	Town of Oyster Bay	935	2,550	578	7,000	9,800	7,106	10,000	3,190		1,000	66,030	12,140	849	35,721	97,480
2	Town of Hempstead	1,320	3,245	653	8,500	11,885	22,100	29,400	3,401		19,300	15,490	17,749	1,049	59,700	69,715
3	N. Hempstead SWMA	330	1,130	137	8,900	1,559	3,842	3,300	622		2,200	3,200	1,818	255	9,301	18,825
4	City of Glen Cove	165	385		1,800	144	1,540	1,500	440			500	770	82	3,444	3,800
5	Town of Islip	110	700	10	5,500		275	600	96	55		3,800	2,255	91	3,436	10,205
6	Town of East Hampton	165	800		2,166	1,160	2,440	3,000	384		271	7,520	1,563	212	6,512	12,686
7	Village of Babylon				50			75	25			225	250	17	275	350
8	Dutchess County RRA	165			500				3,685			2,800	10,395	274	14,245	3,300
9	Orange County	165	650	84	5		13,963	3,300	3,083			1,535	2,362	732	20,223	6,940
10	Putnam County	55	330	66	560		2,800	400	75	70	300	7,089	9,783	108	13,043	9,769
11	Westchester County	385			523		605	5,650		97	1,644	24,603		196	990	30,873
12	City of Albany	275	660	96	3,000	3,575	8,140		3,080		575	6,600	13,365	561	29,095	12,000
13	Town of Bethlehem	100	147	4,110	360	880	2,625		1,120	40	1,580	200	5,875	315	10,747	103,350
14	Town of Colonie	110	55	20	400	3,510	1,952	6,000	600		200	5,000	2,072	352	8,299	11,900
15	Delaware County				1,000	165	1,870		2,090			1,600	6,325	203	10,450	2,600
16	Otsego County				800		3,000	3,000	30			4,000	1,175	189	4,205	7,800
17	East Rensselaer County SWM	29	660	28	300	510	710		260				990	134	3,159	1,000
18	Schenectady County	220			120	2,638	3,956	6,750	540				5,545	568	12,899	6,870
19	Town of Clifton Park	20	50			1,000	1,400		75			20	70	38	2,615	20
20	Jefferson County							3,175	471					32	471	3,175
21	Madison County				5,500									11	0	5,500
22	Onondaga County RRA	94	235		3,224	2,310	6,622	4,550	571		5,452	5,110	11,433	639	21,265	12,884
23	Chemung County GLOW SWM Comm.	55			350	300	1,584	600	115			920	330	47	2,384	1,870
24	Batavia (T), Genesee Co.	435	950	128	136	606	550	950	112			875	885	49	3,538	5,161
25	Rock Glen (T), Wyoming Co.	254	950	100	45	404	385		385			800	570	30	2,948	3,345
26	Ontario County		176			94		250	14			800	494	24	779	1,050
27	Western Finger Lakes SWMA	55	110	2		1,360	2,452	1,600	200			366	900	116	5,077	2,016
28	Chautauqua County DPW Erie County	75	250			376	542	425	86			290	238	48	1,567	715
29	Town of Amherst	275	900	169	500		5,425	800	153			1,070	1,353	63	8,106	6,595
30	Town of Orchard Park	165	1,400	160	500		2,585	1,108	96			50	1,185	56	5,431	5,658
31	City of Buffalo	200	920	161	500		1,782	1,320					1,130	53	4,032	5,845
32	Town of Cheektowaga	200	800	201		1,100	3,300	2,850					1,570	52	6,970	7,875
33	Town of Lewiston	100	330	44	300	300	1,400	700	100			500	450	80	2,680	2,600
	Sub-total Collection Days	6,457	18,383	6,747	52,539	43,676	104,951	91,303	25,099	261	32,522	160,993	115,040	7,525	313,608	473,772

**New York State Department of Environmental Conservation
Household Hazardous Waste State Assistance Program - 1998**

S. No	Sponsor Name	Waste Collection/Disposal														
		Anti - Freeze	Used Oil	Automotive Batteries	Household Batteries	Latex Paint	Oil Paint	Pesticides		Fluorescent Bulbs	Asbestos	Other HHW		Total Drums	Total HHW	
		(gal)	(gal)	(No.)	(lbs)	(gal)	(gal)	Solids (lbs)	Liquids (gal)	(lbs)	(lbs)	Solids (lbs)	Liquids (gal)	(No.)	Liquids (gal)	Solids (lbs)
<i>PERMITTED FACILITIES</i>																
1	Town of Brookhaven				2,270		4,510	1,500	1,155		850	2,500	3,740	184	9,405	6,270
2	Town of Riverhead		1,000	50	1,000	150	275	400	50			1,400	250	40	1,725	4,050
3	Town of Southhampton	330	21,315	623	7,000				1,375				92,455	165	115,475	22,575
4	Town of Huntington	1,654	16,397	907	14,500		550		860			400	3,320	251	22,781	37,575
5	Town of Southold	660	18,000	2,000	7,500		6,100	800	330	1,000		2,500	1,320	86	26,410	61,800
6	Town of Shelter Island	220	1,575		1,500	120	2,060	1,050	205		400	4,015	1,020	135	5,200	6,565
7	Rockland County DOH	715	3,310	489	1,673	32,158		418,000	1,242	2,062	1,900	77,436	2,099	750	39,524	511,395
8	Ulster County RRA		523	43	290	284	1,451	1,800	132	105	640	4,607	1,342	63	3,732	7,877
9	Oneida-Herkimer SWA	550	8,364	432	5,500	2,420	4,345	2,000	375			8,800	1,510	237	17,564	27,100
10	Broome County	715	7,554	20,780	38,000	1,849	1,212	3,883	590	1,883		47,994	14,774	398	26,694	611,260
11	Monroe County	2,100		100		22,350	10,175	14,200	19,500			10,000	7,000	1,192	61,125	26,700
12	Town of Tonawanda	700	1,875	352			2,320						275	51	5,170	8,800
	Sub-total Permitted Facilities	7,644	79,913	25,776	79,233	59,331	32,998	443,633	25,814	5,050	3,790	159,652	129,105	3,552	334,805	1,331,968
	<i>GRAND-TOTAL</i>	14,101	98,296	32,523	131,772	103,007	137,949	534,936	50,913	5,311	36,312	320,645	244,145	11,077	648,413	1,805,739

Note: Each automotive battery is estimated to weigh 25 pounds.

New York State Department of Environmental Conservation Household Hazardous Waste State Assistance Program - 1999

S. No	Sponsor Name	Waste Collection/Disposal														
		Anti - Freeze	Used Oil	Automotive Batteries	Household Batteries	Latex Paint	Oil Paint	Pesticides		Fluorescent Bulbs	Asbestos	Other HHW		Total Drums	Total HHW	
		(gal)	(gal)	(No.)	(lbs)	(gal)	(gal)	Solids (lbs)	Liquids (gal)	(lbs)	(lbs)	Solids (lbs)	Liquids (gal)	(No.)	Liquids (gal)	Solids (lbs)
	<i>Collection Days</i>															
1	Town of Oyster Bay	391	3,690	864	7,100		10,638	5,750	1,770		1,900	5,000	1,601	487	18,090	39,450
2	Town of Hempstead	835	7,180	308	9,500	6,100	19,595	9,600	2,115	200	21,500	12,206	9,210	890	45,035	39,206
3	N. Hempstead SWMA	165	715		1,700	940	4,510	1,500	1,265		2,600	8,855	880	229	8,475	12,055
4	City of Glen Cove	55	55	25	3,000	1,000	4,440	800	1,200		800	5,100	1,450	86	8,200	9,525
5	Town of Islip	300	1,700	47	5,720		3,177	5,720	2,722	715		6,435	48,098	162	55,997	19,765
6	Town of East Hampton	165			700	1,110	2,535	2,600	262		800	1,327	1,295	209	5,367	4,627
7	Village of Babylon	30			400			100	20			555	426	26	476	1,055
8	Dutchess County RRA	440	550	18	1,500		1,925	3,400	1,375			200	3,025	264	7,315	5,550
9	Orange County	100	910	85	170		11,712	5,027	3,358			8,255	2,690	357	18,770	15,577
10	Putnam County	110	220	30	485		1,980		221		330		675	66	3,206	1,235
11	Westchester County	440			1,978		1,353	13,009	1,185	92	717	5,890	6,044	216	9,022	20,969
12	City of Albany	220	825	148	1,300	1,760	20,955	21,000	275		6,000	7,175	8,145	692	32,180	33,175
13	Town of Bethlehem	55	435	124	120	770	3,705	2,300	1,480	9	1,220	1,145	110	194	6,555	6,674
14	Town of Colonie	55	660	10	90	770	1,155	1,600	320		150		10	233	2,970	1,940
15	Columbia County		605		80	935	4,670	2,400	480		40	2,218	874	314	7,564	4,698
16	Delaware County	1,430			1,200	6,380	495	6,200	200		200	3,800	1,375	234	9,880	11,200
17	Otsego County	55	165	100	400	400	800	500	160	20	200	904	3,592	144	5,172	4,324
18	East Rensselaer County SWMA	90	600	52	125	350	940	800	320			450	1,220	167	3,520	2,675
19	Schenectady County	55	495	8		825	5,260	5,200	590	5	100	1,762	2,006	473	9,231	7,167
20	Schoharie County	55			400	550	550	4,750	1,650	30		113	2,145	175	4,950	5,293
21	NEWSNY for Clinton County		440	56		770	1,320		275		18		1,045	58	3,850	1,395
22	Town of Clifton Park	45	55	12		650	300	300					775	26	1,825	600
23	Jefferson County				60		1,548	400				4,581		44	1,548	5,041
24	Cayuga County	240	340	137	600	650	620	1,900	480	20		3,100	2,100	190	4,430	9,045
25	Madison County															
26	Onondaga County RRA	550	425	1	5,720	8,405	13,530	8,900	2,800		2,880	5,445	13,546	909	39,256	20,090
27	Town of Skaneateles	55	80	25	200	83	627	1,600	605			400	1,815	134	3,265	2,825
28	Oswego County	440	2,035	924	4,015	12,760	4,950	7,600	250	397	800	9,569	7,485	352	27,920	44,681
29	Chemung County		110		800		1,122	600	86			5,950	69	48	1,387	7,350
30	Ontario County			16		576	1,753	4,605	882			960	234	120	3,445	5,965
31	Allegany County	30	190	19	450	413	268	83	13			117	144	25	1,058	1,125
32	Cattaraugus County	9					550	100	9				43	14	611	100
33	Chautauqua County DPW	130	231			605	785	450	260	150	25	1,450	470	58	2,481	2,050
	Erie County															
34	Town of Amherst	150	750	129		444	3,317	225	1,139			95	1,728	127	7,528	3,545
35	Town of Orchard Park(NEST)	165	1,000	255			3,872		990				1,815	99	7,842	6,375
36	City of Buffalo	150	1,100	201	800	2,530	3,740	1,155					2,825	124	10,345	6,980
37	Town of Cheektowaga	225	1,100	275	500	1,691	3,281	1,155					3,052	102	9,349	8,530
38	Town of Tonawanda	165	1,000	160	500	1,074	2,149	2,145					1,331	73	5,719	6,645
39	City of Niagara Falls		55				495		55		30	5,000	300	23	905	5,000
	Sub-total Collection Days	7400	27,716	4,029	49,613	52,541	144,622	123,474	28,812	1,638	40,310	108,057	133,648	8,144	394,739	383,503

**New York State Department of Environmental Conservation
Household Hazardous Waste State Assistance Program - 1999**

S. No	Sponsor Name	Waste Collection/Disposal														
		Anti - Freeze	Used Oil	Automotive Batteries	Household Batteries	Latex Paint	Oil Paint	Pesticides		Fluorescent Bulbs	Asbestos	Other HHW		Total Drums	Total HHW	
								Solids	Liquids			Solids	Liquids		Liquids	Solids
		(gal)	(gal)	(No.)	(lbs)	(gal)	(gal)	(lbs)	(gal)	(lbs)	(lbs)	(lbs)	(gal)	(No.)	(gal)	(lbs)
	<i>Permitted Facilities</i>															
1	Town of Brookhaven	1,150			4,575		2,300	1,050	420		800		2,275	210	6,145	5,625
2	Town of Riverhead	110	1,700	72	1,500		935	1,600	825				1,430	87	5,000	4,900
3	Town of Southhampton	825	21,645	1,030	5,000		1,375	2,400	1,100			900	4,675	157	29,620	34,050
4	Town of Huntington	1,542	16,674	756	12,000		385	6,800				1,000	3,040	217	21,641	38,700
5	Town of Southold	155	18,000	734	6,500		880	250	165	1,000		500	1,100	74	20,300	26,600
6	Town of Shelter Island	360	1,895		1,950	84	2,756	2,575	75			8,675	1,050	125	6,220	13,200
7	Rockland County DOH	440	4,745	275		7,700	13,200	22,300		2,676	5,850	115,816	17,460	672	43,545	147,667
8	Ulster County RRA		595	97	418	524	2,362	1,000	209	181	640	2,895	557	76	4,247	6,919
9	Oneida-Herkimer SWA	1,030	5,400	937	1,000	5,916	6,930	1,600	880				9,295	292	29,451	26,020
10	Broome County	605	7,620	780	36,000	2,420	1,540	2,006	312	2,368		5,366	12,210	348	24,707	65,240
11	Monroe County	2,860	440	20	2,333	19,720	11,645	9,765	1,460		800	49,795	16,265	1,406	52,390	62,393
12	Town of Tonawanda	775	3,300	190		5,400	1,815							35	11,290	4,750
	Sub-total Permitted Facilities	9852	82,014	4,891	71,276	41,764	46,123	51,346	5,446	6,225	8,090	184,947	69,357	3,699	254,556	436,064
	<i>Grand-Total</i>	17,252	109,730	8,920	120,889	94,305	190,745	174,820	34,258	7,863	48,400	293,004	203,005	11,843	649,295	819,567

Note: Each automotive battery is estimated to weigh 25 pounds.

APPENDIX D
REPORT FORMS



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF SOLID & HAZARDOUS MATERIALS

**HOUSEHOLD HAZARDOUS WASTE
 COLLECTION DAY REPORT**

Please read and follow all instructions on the back before completing this report form.

Please type or Print clearly

GENERAL INFORMATION

1	Sponsor Name:		2	Contractor Name:	
	Street:			Street:	
	City/State/Zip:			City/State/Zip:	
	Contact:	Telephone #: () -		Contact:	Telephone # : () -
3	Co-Sponsor, If any:	Telephone #: () -	4	Location of Collection:	Date of Collection:
5	Total Population of Area Served:			Town:	County:
	Total Number of Households within Area Served:	# of Participants: Households:	Farmers:	CESQGS:	

CESQGS:= Conditionally exempt small quantity generators

HOUSEHOLD HAZARDOUS WASTE COLLECTION/DISPOSAL DETAILS

6	Antifreeze _____ Gallons	7	Used Oil _____ Gallons
8	Automotive Batteries _____ # of Batteries	9	Household Batteries _____ Pounds
10	Latex Paint _____ Gallons	11	Oil Base Paint _____ Gallons
12	Pesticides (Solids) _____ Pounds	13	Pesticides (Liquids) _____ Gallons
14	Fluorescent Bulbs _____ Pounds	15	Asbestos _____ Pounds
16	Other Household Hazardous Waste (Solids) _____ Pounds	17	Other Household Hazardous Waste (Liquids) _____ Gallons
18	Misc. Solid Waste _____ Pounds	19	Total Drums _____ # of Drums

PLEASE NOTE: Attach copies of all manifests or shipping papers to this form.

Attachment ___ Yes ___ No

OTHER INFORMATION/DATA

20	Disposal Costs, Including Contractor Fees:	21	Other Costs:
22	Publicity and Educational Costs:	23	Total Cost (20 + 21 + 22):
24	Comments:		

PREPARER'S INFORMATION AND SIGNATURE

Name (Printed/Typed):	Title (Printed/Typed):	Signature:	Date:

**Instruction for Completion of
Household Hazardous Waste Collection Day Report Form**

GENERAL INFORMATION

- | | |
|---|---|
| 1. Enter the name and address of the sponsor. Also enter the contact person name and telephone number. | 2. Enter the name and address of the contractor. Also enter the contact person name and telephone number. |
| 3. If applicable, enter co-sponsor's name and telephone number. | 4. Enter location and date of the collection day. |
| 5. Enter the total population and number of households served by the household collection day program and the number of participants in specified categories. | |

HOUSEHOLD HAZARDOUS WASTE COLLECTION/DISPOSAL DETAILS

- | | |
|---|--|
| 6. Enter quantity of antifreeze collected in gallons. | 7. Enter quantity of used oil collected in gallons. |
| 8. Enter number of automotive batteries collected. | 9. Enter quantity of household batteries collected in pounds. |
| 10. Enter quantity of latex paint collected in gallons. | 11. Enter quantity of oil base paint collected in gallons. |
| 12. Enter quantity of solid pesticides collected in pounds. | 13. Enter quantity of liquid pesticides collected in gallons. |
| 14. Enter quantity of fluorescent bulbs collected in pounds (100 bulbs 4 foot long = 60 pounds). | 15. Enter quantity of asbestos collected in pounds. |
| 16. Enter quantity of all other types of solid household hazardous waste that is not reported above, collected in pounds. e.g., poisons, alkalies, corrosive materials, etc. | 17. Enter quantity of all other types of liquid household hazardous waste that is not reported above, collected in gallons. e.g., poisons, corrosive materials, mercury, alkalies, acids, flammable liquids, etc. |
| 18. Enter miscellaneous solid waste that is not reported above, collected in pounds. e.g., cardboard, tires etc. | 19. Enter total number of 30 - 55 gallon waste drums containing household hazardous waste generated on the collection day. |

NOTE: Please attach copies of all manifests or shipping papers.

OTHER INFORMATION/DATA

- 20-23. If available, please enter cost data in the categories as specified.
24. List any restrictions on the type of household hazardous waste that were collected. Also include any other relevant comments/information not included elsewhere on this form.

PREPARER'S INFORMATION AND SIGNATURE

Preparer's Information and Signature block must be completed by the sponsor. The report form must be submitted within 10 days from the date of collection to the appropriate Regional Solid & Hazardous Materials Engineer and the Bureau of Waste Reduction & Recycling in Albany, New York. Keep a copy for your records.

REGIONAL SOLID & HAZARDOUS MATERIALS ENGINEERS - NAMES AND ADDRESSES

Regional Solid & Hazardous Materials Engineer NYSDEC - Region 1 Suny Campus Loop Road, Building 40 Stony Brook, NY 11790-2356 (516) 444-0375	Regional Solid & Hazardous Materials Engineer NYSDEC - Region 2 1 Hunters Point Plaza 47-40 21st Street Long Island City, NY 11101-5407 (716) 482-4996
Regional Solid & Hazardous Materials Engineer NYSDEC - Region 3 21 South Putt Corners Road New Paltz, NY 12561-1696 (914) 256-3137	Regional Solid & Hazardous Materials Engineer NYSDEC - Region 4 1150 North Westcott Road Schenectady, NY 12306-2014 (518) 357-2346
Regional Solid & Hazardous Materials Engineer NYSDEC - Region 5 Route 86, P.O. Box 296 Ray Brook, NY 12977-0296 (518) 897-1241	Regional Solid & Hazardous Materials Engineer NYSDEC - Region 6 State Office Building, 317 Washington Street Watertown, NY 13601-3787 (315) 785-2513
Regional Solid & Hazardous Materials Engineer NYSDEC - Region 7 615 Erie Blvd., West Syracuse, NY 13204-2400 (315) 426-7419	Regional Solid & Hazardous Materials Engineer NYSDEC - Region 8 6274 E. Avon-Lima Road Avon, NY 14414-9519 (716) 266-2466
Regional Solid & Hazardous Materials Engineer NYSDEC - Region 9 270 Michigan Avenue Buffalo, NY 14203-2999 (716) 851-7220	<p>CENTRAL OFFICE ADDRESS</p> <p>New York State Department of Environmental Conservation Division of Solid & Hazardous Materials Bureau of Waste Reduction & Recycling 50 Wolf Road Albany, NY 12233-7253</p>



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HOUSEHOLD HAZARDOUS WASTE COLLECTION & STORAGE FACILITY YEAR-END REPORT

[FOR CALENDER YEAR ENDING DECEMBER 31, _____]

Please read and follow all instructions on the back before completing this report form.

Please type or Print clearly

GENERAL INFORMATION

1	Facility Owner Name:		2	Facility Contractor/Operator Name:	
	Street:			Street:	
	City/State/Zip:			City/State/Zip:	
	Contact:	Telephone # : () -		Contact:	Telephone # : () -
3	Circle Days Open Each Week: S M T W Th F S	Open (Days/Year):	4	Facility Permit #:	Date:
5	Total Population of Area Served:		Facility Location:		
	Total Number of Households within Area Served:	# of Participants During the Reporting Year: Households:		Farmers:	CESQGS:

CESQGS:= Conditionally exempt small quantity generators

HOUSEHOLD HAZARDOUS WASTE COLLECTION/DISPOSAL DETAILS

6	Antifreeze	_____ Gallons	7	Used Oil	_____ Gallons
8	Automotive Batteries	_____ # of Batteries	9	Household Batteries	_____ Pounds
10	Latex Paint	_____ Gallons	11	Oil Base Paint	_____ Gallons
12	Pesticides (Solids)	_____ Pounds	13	Pesticides (Liquids)	_____ Gallons
14	Fluorescent Bulbs	_____ Pounds	15	Asbestos	_____ Pounds
16	Other Household Hazardous Waste (Solids)	_____ Pounds	17	Other Household Hazardous Waste (Liquids)	_____ Gallons
18	Misc. Solid Waste	_____ Pounds	19	Total Drums	_____ # of Drums

PLEASE NOTE: Attach copies of all manifests or shipping papers to this form.

Attachment ___ Yes ___ No

OTHER INFORMATION/DATA

20	Disposal Costs, Including Contractor Fees:	21	Other Costs:
22	Publicity and Educational Costs:	23	Total Cost (20 + 21 + 22):
24	Comments:		

PREPARER'S INFORMATION AND SIGNATURE

Name (Printed/Typed):	Title (Printed/Typed):	Signature:	Date:

**Instruction for Completion of
Household Hazardous Waste Collection and Storage Facility Year-End Report Form**

GENERAL INFORMATION

1.	Enter the name and address of the facility. Also enter the contact person name and telephone number.	2.	Enter the name and address of the contractor/operator. Also enter the contact person name and telephone number.
3.	Circle days of week facility was open, and enter # days/year open.	4.	Enter facility information as indicated..
5.	Enter the total population and number of households served by the household collection facility and the number of participants in specified categories.		

HOUSEHOLD HAZARDOUS WASTE COLLECTION/DISPOSAL DETAILS

6.	Enter quantity of antifreeze collected in gallons.	7.	Enter quantity of used oil collected in gallons.
8.	Enter number of automotive batteries collected.	9.	Enter quantity of household batteries collected in pounds.
10.	Enter quantity of latex paint collected in gallons.	11.	Enter quantity of oil base paint collected in gallons.
12.	Enter quantity of solid pesticides collected in pounds.	13.	Enter quantity of liquid pesticides collected in gallons.
14.	Enter quantity of fluorescent bulbs collected in pounds (100 bulbs 4 foot long = 60 pounds).	15.	Enter quantity of asbestos collected in pounds.
16.	Enter quantity of all other types of solid household hazardous waste that is not reported above, collected in pounds. e.g., poisons, alkalies, corrosive materials, etc.	17.	Enter quantity of all other types of liquid household hazardous waste that is not reported above, collected in gallons. e.g., poisons, corrosive materials, mercury, alkalies, acids, flammable liquids, etc.
18.	Enter miscellaneous solid waste that is not reported above, collected in pounds. e.g., cardboard, tires, misc. solid waste etc.	19.	Enter total number of 30 - 55 gallon waste drums containing household hazardous waste generated during the year.

PLEASE NOTE: All household hazardous waste facilities are required to submit copies of all manifests or shipping papers to the NYSDEC at least quarterly. This report will not be considered complete until all these forms have been submitted to the appropriate Regional and Central offices.

OTHER INFORMATION/DATA

- 20-23. If available, please enter cost data in the categories as specified.
24. List any restrictions on the type of household hazardous waste that were collected. Also include any other relevant comments/information not included elsewhere on this form.

PREPARER'S INFORMATION AND SIGNATURE

Preparer's Information and Signature block must be completed by an authorized representative of the facility. The report form must be submitted by February 1, following the end of the reporting year to the appropriate Regional Solid & Hazardous Materials Engineer and the Bureau of Waste Reduction & Recycling in Albany, New York. Keep a copy for your records.

REGIONAL SOLID & HAZARDOUS MATERIALS ENGINEERS - NAMES AND ADDRESSES

Regional Solid & Hazardous Materials Engineer NYSDEC - Region 1 Sunny Campus Loop Road, Building 40 Stony Brook, NY 11790-2356 (516) 444-0375	Regional Solid & Hazardous Materials Engineer NYSDEC - Region 2 1 Hunters Point Plaza 47-40 21st Street Long Island City, NY 11101-5407 (716) 482-4996
Regional Solid & Hazardous Materials Engineer NYSDEC - Region 3 21 South Putt Corners Road New Paltz, NY 12561-1696 (914) 256-3137	Regional Solid & Hazardous Materials Engineer NYSDEC - Region 4 1150 North Westcott Road Schenectady, NY 12306-2014 (518) 357-2346
Regional Solid & Hazardous Materials Engineer NYSDEC - Region 5 Route 86, P.O. Box 296 Ray Brook, NY 12977-0296 (518) 897-1241	Regional Solid & Hazardous Materials Engineer NYSDEC - Region 6 State Office Building, 317 Washington Street Watertown, NY 13601-3787 (315) 785-2513
Regional Solid & Hazardous Materials Engineer NYSDEC - Region 7 615 Erie Blvd., West Syracuse, NY 13204-2400 (315) 426-7419	Regional Solid & Hazardous Materials Engineer NYSDEC - Region 8 6274 E. Avon-Lima Road Avon, NY 14414-9519 (716) 266-2466
Regional Solid & Hazardous Materials Engineer NYSDEC - Region 9 270 Michigan Avenue Buffalo, NY 14203-2999 (716) 851-7220	CENTRAL OFFICE ADDRESS New York State Department of Environmental Conservation Division of Solid & Hazardous Materials Bureau of Waste Reduction & Recycling 50 Wolf Road Albany, NY 12233-7253