



## County To Develop Integrated Solid Waste Management System

Morris County has achieved tremendous success in striving towards the State's 60% recycling goal, predominately through the efforts of municipal and county recycling programs. In order to reach and surpass this goal, the County intends to develop several waste processing/material recovery facilities to supplement its source separation recycling activities. This proposed new solid waste system includes the following components:

- **Bulky Waste Processing Facility** - process and recycle large, bulky items, furniture, appliances, tires and construction and demolition waste.
- **Recycling Facility** - process and market source-separated recyclable materials (i.e., newspaper, glass, aluminum, plastics, tin, mixed paper, corrugated, etc.)
- **Mixed Waste Processing Facility** - process municipal and commercial solid waste to recover recyclables and organic portions of the mixed solid waste stream.
- **Solid Waste Composting Facility** - process organics and other putrescible portions of solid waste which are either transported directly to the Composting Facility or which are separated out at the Mixed Waste Processing Facility.

These facilities may be combined into one solid waste system complex to increase efficiencies of space and equipment.

The Morris County Municipal Utilities Authority has formed a Project Team, consisting of Authority staff, legal advisors, financial advisors, engineers and scientists to implement the proposed system. To date, the Team issued a Request for Qualifications to solicit firms which have the technical, administrative and financial capabilities to develop and operate the various components of the

tons recycled per year

300,000

### Recycling on the Rise

In 8 Years Morris County has more than quadrupled its recycling tonnage from 57,259 tons in 1984 to 275,084 tons in 1991

250,000

200,000

150,000

100,000

50,000

0

1984

1985

1986

1987

1988

1989

1990

1991

proposed solid waste management system. Evaluations of the responding firms' qualifications are now completed, and the Authority will soon issue a Request for Proposals to the firms determined to be qualified. Following the review of the proposals received, the Project Team will recommend and the Authority will select the firm(s) to design, permit, construct and operate the long-term solid waste system later this year.

As part of the review, the Project Team will consider successful and reliable advances that have occurred as a result of the latest technological developments in solid waste processing. This will enable the Authority to select a long-term system that is environmentally sound, cost effective and reliable.

### CLEAN COMMUNITIES MUNICIPAL AWARDS

At the sixth annual "Take Pride In New Jersey Seminar and Awards Dinner," held at the Camden Aquarium on January 28, 1993, three awards were presented to Morris County municipalities for their Clean Communities programs.

The Volunteer of 1992 Award went to the Market Street Mission for their help in keeping litter off the streets of Morristown.

The Education Award went to Warner Lambert Co. of Morris Plains. They have instituted an education training program about litter abatement and offer it free to teachers in the county.

see CLEAN/ p. 6

## Fifth Annual Awards Dinner - A Study in Recycling Revelry

One October evening last fall, many Morris County recycling devotees gathered at the Hanover Manor in East Hanover to swap recycling stories, to share a meal and to receive accolades for their accomplishments.

Serving as a backdrop for the awards ceremony was Abbie Hoffman's quotation, "The status quo sits on society like fat on cold chicken soup and it's quite content to be what it is. Unless someone comes along to stir things up there just won't be change."

Indeed, at the dinner the County of Morris recognized those who have "stirred the fat into the recycling soup" and by doing so have effected change.

The names of the awards proper and their recipients follow:

- The Queen Marie Antoinette "Let Them Eat Cake" Award - Hy Nadel, master cake decorator and Morris County MUA board member.
- Outstanding Community Service Award - the Mendham Township Ad Hoc Recycling Committee.
- Outstanding Community Service Award - the Kiwanis Club of the Chathams.
- Multi-Family Recycling Program Award - Matt Parrillo, Foxwood Community Association, Morris Plains.
- Special Recycling Assistance Award - the Butler Department of Public Works.
- Dedication to Planet Earth Award - the Morristown Unitarian Fellowship Eco Group.
- The "Write" Use of Recycled Content Award - the Faber Castell Corporation.



*"Let Them Eat Cake" - Queen Marie Antoinette's message materializes in the spectacular Awards Dinner confection baked and decorated by Hy Nadel. Its inscription "The Eleventh Commandment: Thou shalt compost thy vegetative waste" promotes Morris County's source reduction efforts.*

- Dedicated Recycling Coordinator Award - Walt Mahon, Borough of Riverdale.
- Outstanding Coordination - Small Business Program Award - Phil DiParisi, Weiss-Aug, East Hanover.
- Topflight Participation - Morris County Curbside Recycling Program - the Town of Boonton.
- "Dedicated Partner in Recycling" Award - Gene Fucci and Jerry Testa, co-recycling coordinators in Passaic Township (currently known as Long Hill Township).
- Outstanding Coordination - Corporate Recycling Program - Jim Kline, Exxon Quality Action Team, Florham Park.
- Enhanced Curbside Program Award - the Borough of Florham Park.
- "Quietly Effective Recycling Coordinator" Award - Robert Sautter, the Borough of Kinneton.
- Comprehensive Recycling Program Award - the Township of Randolph.
- "Prime Mover" Recycling Award - Clem Ferdinando, the Township of Randolph.
- Outstanding Recycling Market Award - Marcal Paper Mills, Inc., Elmwood Park.

## ARE YOU AWARE THAT . . .

"Glinda Garbahj Goes Green Grocery Shopping," an armchair environmental shopping tour complete with a slide presentation, numerous show and tell items, and handout materials is available for groups; for further information, contact Penny Jones at (201) 285-8395.

Recycling resources abound on "Glinda's" bookshelves - which of these piques your curiosity: **The Rotten Truth** (a videocassette tape); **Recycle Mania** (an audiocassette tape); **Rubbish!** (a book); **Garbage** (a magazine)? If you're enticed by any of these titles or if you need assistance locating recycling reference materials, call Penny Jones (see phone number above).

**The Association of New Jersey Recyclers (ANJR) needs you!** ANJR's vision and values: ANJR is a non-profit, non-partisan network whose mission is to serve as the voice of recycling in New Jersey through education, advocacy and the promotion of professional standards. ANJR firmly believes that New Jersey needs an integrated solid waste management plan, and will facilitate that plan with education and advocacy around the issues of recycling, source reduction, household hazardous waste management and composting. For information, call (908) 722-7575.

### A FIRST IN THE NATION!

The Cook College Office of Continuing Professional Education in cooperation with the N.J. Department of Environmental Protection and Energy, Division of Solid Waste Management, and the Association of N.J. Recyclers, has introduced the **New Jersey Recycling Certification Program** consisting of seven courses followed by the "Case Studies/Problem Solving" short course. For information, call (908) 932-9271.

# RECYCLING CONSOLIDATION CENTER

The Morris County Recycling Consolidation Center, located on Richboynton Rd. in Dover, continues to thrive. During 1992, a total of 6,244 tons of recyclable materials were delivered to the Center. During the first six months of 1993, in spite of the February and March snows, approximately 4,390 tons have been received. At this rate, it is anticipated that the Center will exceed the 1992 tonnage by 40%.

The baler installed last fall is enabling the Center crew to keep up with the increased volumes of materials. Almost as quickly as the materials are received, they are processed, baled and sent to markets. A portion of the revenues received from the sale of materials is rebated to participating towns on a proportional basis.

The materials accepted at the Center include aluminum cans, steel (tin) cans, corrugated cardboard, junk mail/magazines, newspapers, office paper and plastic bottles (No. 1 and 2).

Which of the above-listed materials represents the most tonnage received at the Center? Junk mail and magazines. The tonnage of junk mail/magazines surpassed corrugated and newspaper this year. The tonnage of junk mail/magazines continues to grow as municipalities add this material to their recyclables list.

The Center accepts separated materials from municipalities as well as from small businesses and institutions. The Center is closed to residential walk-in drop offs, because it can not handle the large volumes of cars and insurance considerations. The tonnage delivered by businesses and institutions is credited to the town in which the business is located.

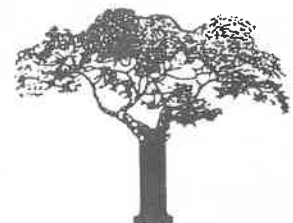
## Marcal Plant-A-Tree Program

**Ceremony one:** On May 12 in the native garden adjacent to the Branching Out Children's Garden at Frelinghuysen Arboretum, dignitaries shovel wood chips and compost around the newly-planted red maple tree donated to the County by Marcal Paper Mills, Inc., Elmwood Park. Left to right: Peter Marcalus, vice president of corporate communications, Marcal; Hy Nadel, Morris County MUA board member; Charles Zafonte, director of park maintenance, Morris County Park Commission; Carol Murphy, Frank Druetzler and Cecilia Laureys, Morris County freeholders. Marcal donated the tree along with an interpretive exhibit which will be dedicated on Arbor Day 1994, as a token of appreciation for the 1,909 tons of junk mail and magazines which were transported in 1992 from the Morris County Consolidation Center to Marcal for reprocessing into consumer tissue products.



## Marcal Plant-A-Tree Program

**Ceremony two:** On May 14 following a tree-planting ceremony at the Roxbury Nutrition Center where six dogwood trees were planted, Peter Marcalus (r.) presents a check for \$400 to Debra Ward, Roxbury recycling coordinator. In the background are Roxbury employees Frank Grisi, Judy Forsythe and Richard Canon. Roxbury Township is the municipality which deposited the largest amount of magazines and junk mail (309 tons) at the Consolidation Center in 1992.





*Kevin Carlin, Morris Township and Dick Canon, partially hidden, from Roxbury Township, tug a rusted shopping cart up a steep slope from a creek adjoining Speedwell Lake during the first municipal Clean Communities coordinators cleanup.*



*The Clean Streets...Clean Waterways cleanup crew with their morning loot: the shopping cart, tires, pieces of wood and a door-size painted piece of wood which had been trapped in the waterfall. Municipal coordinators from ten municipalities turned out to clean up Speedwell Lake.*

**CLEAN STREETS ...  
CLEAN WATERWAYS ...  
SPEEDWELL LAKE**

Morris County municipal Clean Communities coordinators, joined by staff of the Morris County Municipal Utilities Authority Recycling Office, picked up litter around Speedwell Lake in Morristown for three hours on Monday, June 7, 1993.

The results included a rusted shopping cart, several tires and tire rims, 37 bags of garbage and seven bags of recyclables found along the lakefront and park.

The cleanup was part of this year's kickoff of the Clean Streets...Clean Waterways Program. This program is an educational and action-oriented project whose goal is to prevent the littering of streets and roads and the polluting of waterways and beaches. Clean Streets...Clean Waterways is an extension of the recently announced Clean Streets...Clean Beaches, an Environmental Protection Agency program. Both programs are regional efforts on the part of New Jersey and New York State environmental officials, as well as the City of New York and various counties in New Jersey. The emphasis of the program is to educate and inform the public of the connection between street litter, which can end up in waterways through storm sewers, and the polluting of beaches when this material washes ashore.

Five counties make up the Northeast Counties group: Bergen, Hudson, Middlesex, Morris and Passaic. These counties have joined together to initiate regional solutions to common problems. Coordinator cleanups took place within each county on the same day. The program is funded through the Clean Communities Grant Program of the New Jersey Department of Environmental Protection and Energy.

**SIXTH ANNUAL  
MORRIS COUNTY  
RECYCLING AWARDS  
DINNER**

**WEDNESDAY, OCT. 20, 1993**

**HANOVER MANOR**

**EAST HANOVER, NJ**

**Anyone who would like an awards nomination form may call Penny Jones - (201) 285-8395.**

**LOOKING FOR A MARKET FOR USED FLUORESCENT BULBS?**

**ADVANCED ENVIRONMENTAL RECYCLING CORPORATION (AERC)**

2591 Mitchell Avenue  
Allentown, PA 18103  
1-800-554-AERC

**ENERGY SAVERS**

179 Route 46  
Rockaway, NJ 07866  
(201) 366-8883  
Charles Landmesser, Jr.

## MUNICIPAL UPDATE



A survey was completed last fall by all municipalities on their recycling and solid waste activities and future needs. This information is important in light of the new Plan Amendment that has been submitted to the State DEPE on Morris County's future plans for recycling and solid waste.

Several more towns have come on board this year with the Morris County Curbside Recycling Program:

Dover, Lincoln Park and Netcong. This brings the number of towns participating to 11. Chester Borough will be joining soon.

There have been a few changes in municipal recycling coordinators recently:

- East Hanover's coordinator, Nick Marcantonio has retired. Good luck Nick! His replacement is Marc Macaluso.
- Robin Dente is the new recycling coordinator for Hanover Township.
- The new coordinator in Morris Plains is Hal Birmingham.
- Hugh O'Reilly is now the recycling coordinator for Mountain Lakes.
- Helping Cecilia Laureys in Netcong is Lynn Popelka.
- Wharton's recycling coordinator, Jim Boyer, has also retired, and his brother, Arnold is acting coordinator. Good luck in your retirement, Jim!

## County Acquires Landfill Space

Morris County has developed its solid waste management strategy with an aggressive utilization of source reduction techniques, source-separated recycling, materials recovery and materials processing, all with the goal of minimizing the County's dependence on landfill disposal capacity.

"Even with maximum source reduction and recycling efforts, Morris County needs to provide for the disposal of non-recycled waste," according to Solid Waste Coordinator Glenn Schweizer.

The County undertook a competitive process and selected the proposal submitted by Waste Management of Pennsylvania, Inc. Morris County acquired an easement from Waste Management, utilizing the Tullytown Landfill in Tullytown, PA. to dispose of up to 4,500,000 tons of non-recycled waste over a 10-to-15 year time period.

The easement agreement goes into effect on January 1, 1995, thereby replacing the current transfer and disposal system provided by Chambers Development Corporation. The tipping fee at the Tullytown Landfill in 1995 will be approximately \$34 per ton. Even considering transfer and transportation costs, the County is anticipating that the exercise of this agreement will save residents and businesses millions of dollars in disposal costs while continuing to utilize a well-designed and operated landfill facility. Before going into effect, the easement agreement needs to receive final review and approval by the Department of Environmental Protection and Energy.

"This agreement is the first part of our integrated solid waste management plan," stated Freeholder Frank Druetzler, "and enables us to concentrate on developing the rest of the long-term solid waste and recycling facilities."

## Residential Curbside Recycling Collection

The MCMUA trucks and crews now roll through 11 municipalities collecting up to eight different materials at curbside. The municipalities currently served include Boonton, Boonton Township, Chatham Borough, Chatham Township, Dover, East Hanover, Florham Park, Lincoln Park, Madison, Morris Plains and Netcong. Chester Borough will become the twelfth town in the program this summer.

The recycling fleet of vehicles has been greatly increased to handle the many types of materials and the increased number of towns in the program. These conditions have required specialized vehicles. One such vehicle on order is a compactor with three separate chambers, each chamber with its own compactor system. This vehicle will enable the crews to pick up large quantities of materials such as magazines/junk mail, corrugated and newspaper on one pass. Currently, two or three trucks must be assigned to these collection tasks.

On a bitter-sweet note for the program, Bob Newkirk, operations manager for the program, who was instrumental in the start-up and expansion of the program, retired at the end of May. We will miss his enthusiasm and "can do" attitude, but he goes to a well deserved retirement. Bob tells us he leans toward moving to South Carolina. We understand that the fishing is great and the cost of living is lower than in New Jersey. Happy fishing, Bob!

## New Plan Amendment for Solid Waste and Recycling

In response to Governor Florio's Emergency Solid Waste Assessment Task Force Report, the Morris County Board of Chosen Freeholders approved an amendment to the Morris County Solid Waste Management Plan on March 10, 1993. The purpose of this amendment was to bring the County Plan into accordance with the State Plan.

Toward this end, the County Plan Amendment establishes County source reduction goals that attain no growth in solid waste generation by 1995. Similarly, the Amendment also establishes a County recycling goal of 50% for the municipal waste stream and 60% for the total waste stream.

As a means of achieving the recycling goals, the amendment lists additional materials which must be mandated for recycling purposes. This list is much more comprehensive than the County's current list of mandated materials. Once approved by the State, the County Plan will require the recycling of newspapers, corrugated cardboard, mixed paper, aluminum cans, plastic bottles (No. 1 and 2), glass containers, tin/steel containers, yard waste (leaves, grass & brush), tires, vehicular batteries, white goods, motor oil, oil contaminated soil, stumps and asphalt roofing shingles.

In addition, food waste will be mandated for certain institutional and commercial generators once the County's solid waste composting facility is operating. Construction and demolition debris will also be mandated once the proposed bulky waste facility is operating. Household batteries (dry cell) will also be required to be recycled six months after the implementation of the State's battery recycling program.

**... Plan**

Continued from /page 5

The Plan Amendment also provides the County's intentions to develop materials recovery facilities including a bulky waste processing facility, a recycling facility and a solid waste composting facility. For more information see article on p. 1 about the new integrated system. Finally, the Amendment details the County's purchase of landfill disposal capacity at the Waste Management Tullytown Landfill in Tullytown, PA.

The amendment is now in Trenton where the NJDEPE has 150 days to certify it. Once certified, the regulations provided in the amendment officially become Morris County's solid waste management rules. To obtain a copy of this Plan Amendment, please contact the MCMUA at (201) 285-8390. For questions pertaining to recycling, call (201) 285-8394.

Please submit all articles for the Resource Recovery Report to:  
 Judy Murphy, Recycling Specialist  
 MCMUA P.O. Box 900  
 Morristown, NJ 07963-0900  
 (201) 285-8394

**Municipal Utilities Authority**

- Bernard Guenther**  
*Chairman*
- Michael Dedio**
- Edward H. Eppel**
- Frank Markewicz**
- Hy Nadel**
- Dr. Arthur Nusbaum**
- Carol Rufener**
- David Scapicchio**
  
- Alex A. Slavin**  
*Executive Director*

**1991 Municipal Recycling Rates**

Municipality	Total Recycled	Recycling Rate	Grant \$ Recv'd
Boonton Town	1,518	22%	\$2,110.13
Boonton Twp.	7,446	75%	13,227.72
Butler	5,429	56%	9,940.32
Chatham Boro	8,248	68%	15,011.64
Chatham Twp.	6,286	45%	7,653.58
Chester Boro	1,171	49%	1,659.66
Chester Twp.	1,552	25%	3,131.10
Denville	7,023	30%	11,163.10
Dover	2,877	18%	3,999.11
East Hanover	6,314	35%	11,631.70
Florham Park	8,906	60%	16,860.83
Hanover	5,588	38%	7,167.73
Harding	3,092	26%	2,247.02
Jefferson	3,460	19%	5,585.85
Kinnelon	14,678	49%	10,478.16
Lincoln Park	14,684	72%	18,771.51
Long Hill Twp.	3,893	52%	5,437.36
Madison	9,427	39%	15,768.10
Mendham Boro	991	20%	1,318.49
Mendham Twp.	897	19%	1,756.10
Mine Hill	256	11%	560.02
Montville	30,432	41%	16,904.18
Morris Twp.	15,626	61%	33,193.39
Morris Plains	7,020	59%	10,397.44
Morristown	7,135	16%	9,185.84
Mt. Arlington	1,652	50%	3,018.98
Mt. Olive	4,844	28%	7,303.37
Mt. Lakes	1,597	48%	3,611.60
Netcong	1,465	34%	2,776.45
Parsippany	37,976	48%	60,639.90
Pequannock	11,023	58%	22,629.43
Randolph	11,749	49%	24,550.19
Riverdale	1,323	23%	841.88
Rockaway Boro	3,676	42%	4,862.21
Rockaway Twp.	13,998	52%	17,370.27
Roxbury	4,956	26%	7,529.18
Victory Gardens	123	21%	181.13
Washington	5,594	26%	5,452.68
Wharton	1,160	35%	2,132.74
<b>County Totals</b>	<b>275,084</b>	<b>42%</b>	<b>398,060.10</b>

**... Clean**

Continued from /page 1

Jefferson Township received the Street or Highway Cleanup Award for its Adopt-A-Road program.

Congratulations to Anita Seidel of Morristown and Jim Peters of Jefferson Township for providing outstanding programs for Clean Communities!

**STAFF CHANGES**

Nadine Antebi, recycling specialist with the MCMUA recycling office, moved with her husband to San Francisco in February. We wish her well in her new locale!

Replacing Nadine is Kathy Hourihan who comes from R.W. Beck in Orlando, Florida, and who most recently worked for the Association of New Jersey Recyclers in Bridgewater, NJ. Welcome, Kathy!

Bob Newkirk, operations manager for the MCMUA curbside recycling program, retired the end of May. (See article on curbside program, p. 5).

The new acting operations manager is Gerald Ratliff. Victor Giroux will assist him as acting supervisor.

**Board of Chosen Freeholders**

- Edward A. Tamm**  
*Director*
- James O'Brien**  
*Deputy Director*
- Frank J. Druetzler**
- Patric J. Hyland**
- Cecilia G. Laureys**
- Carol J. Murphy**
- Peter J. O'Hagan, Jr.**



**Morris County Municipal Utilities Authority  
 Office of Solid Waste Management**

P.O. Box 900, Morristown, NJ 07963-0900

BULK RATE  
 U.S. POSTAGE  
 PAID  
 PERMIT NO. 178  
 SORTED MAIL

**Solid Waste Management Staff**

- Glenn Schweizer**  
*Solid Waste Coordinator*
- Vincent Novak**  
*District Recycling Coordinator*
- Larry Gindoff**  
*Solid Waste Planner*
- Penny Jones**  
*Recycling Education Specialist*
- Judy Murphy**  
*Recycling Specialist*
- Kathy Hourihan**  
*Assistant Recycling Specialist*

Office Located at: 380 West Hanover Ave., Morris Township, NJ  
 Printed on Recycled Paper