

MORRIS COUNTY Resource Recovery Report

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Spring, 1986

New Programs Spring Up

Spring has sprung and so have a number of new and expanded municipal recycling programs.

Making efforts to comply with the Morris County Solid Waste Plan and pending Statewide legislation, many new and expanded programs are sprouting up through-out Morris County.

Last year the Morris County Solid Waste Management Plan was amended to include mandatory recycling. The amendment included a two step procedure: 1) that an ordinance be passed by each municipality requiring the source separation of glass, aluminum, newspaper and yard waste and 2) establishment of a collection system for the same.

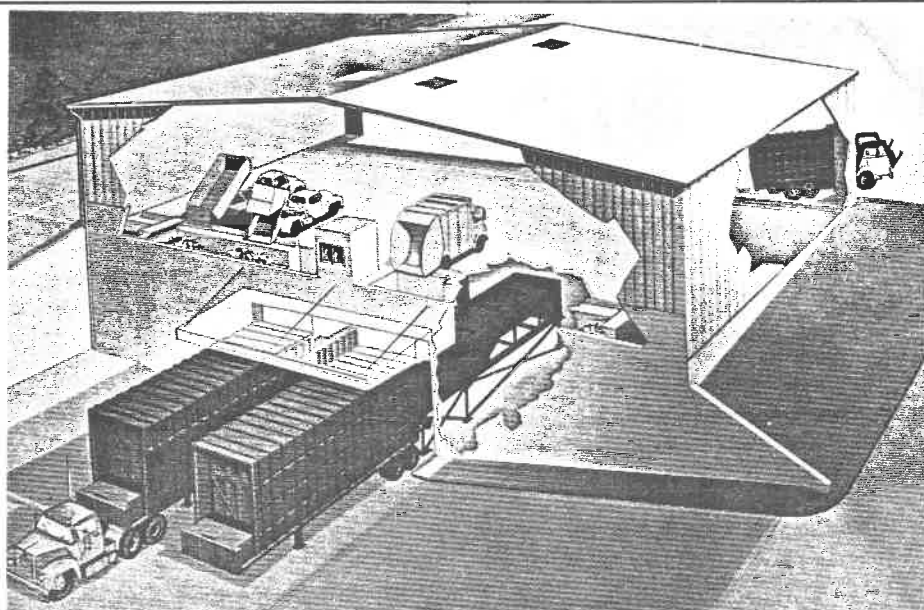
Following this outline, those municipalities which passed ordinances during the past year are now implementing programs to fulfill the remaining collection requirement.

For example, after careful planning and deliberation over its ordinance, **Parsippany-Troy Hills** will start curbside collection of glass, aluminum and newspaper on June 1, 1986.

Boonton Township has opened a depot to collect glass, aluminum, newspaper (magazines, etc.) and oil in conjunction with the passage of its mandatory recycling ordinance.

Other municipalities such as the **Town of Boonton** have expanded their regular curbside collection to include aluminum. **Dover's** newspaper and aluminum service will now collect glass, as well.

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Transfer Stations: An Alternative

A transfer station is a facility that receives solid waste delivered in collection trucks and transfers the waste into large trailers designed to transport waste efficiently over long distances.

The station is typically a two-level operation where collection vehicles dump their loads onto an upper level

floor. Front-end loaders are then used to move the refuse from the floor to the trailer feeding mechanism and into the transfer trailers located on the lower level (See Diagram).

The advantages of transfer stations over direct haul to a landfill include reduced transportation costs, reduced labor and maintenance costs for the

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Grants Reveal 44% Increase

Following what appears to be a trend, the tallied results of tonnage recycled in Morris County shows a dramatic increase for 1985 over 1984 figures!

A review of 1985 N.J. Office of Recycling tonnage grant applications reveals that a total of 65,539 tons of material were recycled in Morris County. This is a 44% increase over the 35,278 tons of comparable material accepted by the State for rebate funds in 1984. This comparison excludes

asphalt and manure which was accepted in 1984 but not in 1985.

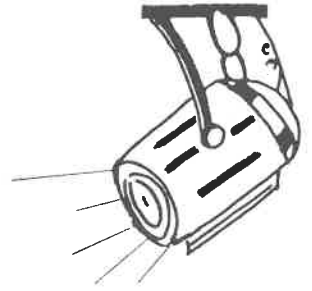
Increases of over 2000 tons were achieved by municipalities such as **Chatham Borough, Parsippany-Troy Hills and Rockaway Township.**

All municipalities are to be commended for their recycling efforts.

See the full listing of tonnage submitted for 1985 on page 2.

Morris County 1985 Tonnage Grant Figures

MUNICIPALITY	TOTAL TONNAGE	TOTAL LBS/CAPITA
BOONTON	484.6	100
BOONTON TWP.	117.1	80
BUTLER	598.3	160
CHATHAM	3678.9	860
CHATHAM TOWNSHIP	1191.2	260
CHESTER	171.0	240
DENVILLE	878.5	120
DOVER	1126.0	160
EAST HANOVER	681.3	140
FLORHAM PARK	1124.3	140
HANOVER	2384.9	240
HARDING	216.4	400
JEFFERSON	1225.6	140
KINNELON	1466.5	360
LINCOLN PARK	1628.0	360
MADISON	2165.6	280
MENDHAM TWP.	133.6	60
MINE HILL	206.7	120
MONTVILLE	6808.5	960
MORRIS PLAINS	2233.5	840
MORRISTOWN	3056.8	360
MORRIS TWP.	2354.3	260
MOUNTAIN LAKES	317.7	160
MT. OLIVE	2042.4	220
NETCONG	288.5	160
PAR—TROY	5210.5	120
PASSAIC	1257.9	340
PEQUANNOCK	2360.8	340
RANDOLPH	6535.7	740
ROCKAWAY	781.6	220
ROCKAWAY TWP.	7670.0	780
ROXBURY	3355.0	360
WASHINGTON	728.9	140
WHARTON	1058.9	180
TOTAL	65539.5	320



Recycling Spotlight: Boonton Township

Recycling in **Boonton Township** has come a long way from the days of periodic newspaper collection at the Methodist Church.

Since **Boonton Township's** ten-member recycling committee assessed the needs and resources available, the Township has developed a mandatory recycling program worthy of note.

Before 1986 the 1031 families residing in the township had only a trailer drop-off center for newspaper recycling. Today, through the commitment of the Township to recycling, a depot has been established behind the municipal building which is open every Saturday from 8 a.m. to 12 noon.

At this time the recycling center accepts newspaper, aluminum, oil, color-separated glass and mixed paper such as brown paper, magazines, telephone books, etc.

The drop off is conducted conveniently and efficiently. **Boonton Township** residents need only bring their separated material through the horseshoe shaped lot where their recyclables are unloaded by local volunteers.

The fact that a mandatory ordinance was passed in conjunction with the opening of the recycling center has helped the Township gain considerable participation in a short period of time. Surveys taken at the center show that 35% of **Boonton Township's** families are presently participating in the program.

Thus far, enough paper is collected every two weeks to fill a 30-cubic yard dumpster. Also, over 250 gallons of oil and 7 tons of glass have been collected.

In view of the dilemma Morris County now faces with solid waste management, the swiftness and efficiency with which **Boonton Township** established its mandatory recycling program has earned this municipality its turn in the **Spotlight**.

Burro Spreads Recycling Message

Rockaway Borough greets a new resident, the **Rockaway Burro** who will serve as mascot for the municipal recycling program.

The burro, which will travel through Rockaway on recycling publicity and promotional materials, was designed by an artist at the Joe Kubert School of Cartoon and Graphic Art, Inc., Dover.

Mascots and logos like the Rockaway Recycling Burro play a valuable role in creating an identity for a recycling program and provides a continuity to a promotional campaign which has no substitute.

All municipalities are encouraged to follow the example set by Rockaway Borough.



Public/Private Recycling Together

When recycling programs are in the planning stages, one avenue rarely considered is a joint project involving the municipality and local businesses. The venture, however, can be mutually profitable.

Asphalt recycling in Mt. Olive Township is a prime example of how the private and public sectors are working together to solve NJ's solid waste disposal dilemma.

Early in 1985 the Mt. Olive Road Department purchased a portable hot patch machine. Since October the machine has been slowly eating away at an asphalt stockpile estimated to be over 900 tons.

The asphalt came from Salmon Bros., a local contractor rebuilding two roads in Mt. Olive. Their contract called for the removal and disposal of the old asphalt. Instead of hauling the material to a landfill, Tom Salmon contacted Bob Behler, head of the Mt. Olive Road Department, and offered to deliver the asphalt, at no charge, to the Township.

Bob jumped at the opportunity. The venture will save the Township money on purchasing new asphalt, qualify it for money through the state recycling tonnage grant program, and save scarce landfill space.

Estimates suggest the stockpile will save the township over \$22 per ton in raw asphalt costs and will probably return over \$2,000.00 to the Township through the New Jersey recycling tonnage grant program.

Cooperative efforts like this show that recycling does pay . . . in many ways.

by Reid Guthrie
Mt. Olive Recycling Coordinator

On the Move

The Morris County Solid Waste Management Department has moved. It's office is now located at the Cultural Center on 300 Mendham Road (Rt. 24), Morris Township.

To contact the Solid Waste Management Department, write to:
Morris County Planning Board
Courthouse
Morristown, N.J. 07960
or call (201) 285-1667.

Teachers Share Recycling Wealth

"Let's share the recycling wealth" might be the motto of three **Morris School District** K-6 science specialists who attended the fall teacher in-service workshop on the **Here Today, Here Tomorrow** recycling curriculum. After returning from this workshop, these specialists shared their knowledge by leading a series of recycling workshops for all K-6 teachers in their district.

The purpose of these workshops was to share information about recycling with district teachers and to show how this information can be incorporated into the school curriculum as a teaching tool.

"After being at the September workshop, we thought it would be a good idea to try to tie **Here Today, Here Tomorrow** and the recycling element of the Morris School District curriculum together," said Pat Reis who spearheaded the effort.

At the workshops, Pat, Bernice Hanson and Paris Pallis first presented background information on the critical issues of solid waste disposal and informed all present that Morris County has mandated recycling as a partial solution to the solid waste

disposal problem.

Some activities in which the teachers then participated follow: (1) determining "what is trash", (2) identifying natural resources used to make products, (3) listing hazards of current disposal methods, (4) learning how some trash can be reused or recycled.

Also, (5) sorting trash into groups: metals, glass, paper, motor oil, (6) identifying renewable and non-renewable resources, (7) comparing the decomposition time of organic and inorganic materials.

During the last portion of the workshops, the teachers learned how to construct educational equipment and materials from disposable items. Examples are balances made from soda bottles, straw and paper cups; new paper made from used paper; weather charts made from meat trays; weights made from film canisters.

For more information about **Here Today, Here Tomorrow** workshops in Morris County, please contact Penny Jones, Recycling Education Specialist, at 285-1667.



Recycle While You Shop:

Two Innovative Ideas by Grand Union

Grand Union is now participating in the **Recycle for Liberty** program. Shoppers can bring their aluminum cans to any Grand Union store for recycling. Proceeds from the sale of this material will go towards the restoration of the Statue of Liberty.

Another resource saving idea by Grand Union is a new product called **Fountain Fresh Beverages**. Fountain Fresh is self-served in a **refillable**, 2 liter plastic container. This new venture is being tested in Morris County at the **Butler Grand Union**. Customers can obtain 2 liters of any of the 30 available flavors for 79¢ when their empty containers are brought back and refilled.

RECYCLE FOR LIBERTY!

GRAND UNION

Transfer Stations . . . Cont. from pg. 1

collection vehicles, and less congestion on routes leading to and at the landfill/resource recovery facility. Also, the opportunity to conduct recycling operations at a transfer station can decrease the amount of waste to be landfilled/incinerated and screen out unwanted and unsafe items from the waste stream.

The New Jersey Department of Environmental Protection is currently soliciting facilities in Morris, Passaic, Somerset and Union counties. The Department has selected transfer stations as the short-term strategy for these counties since no new resource recovery or landfill facilities have been developed and current landfill space in New Jersey is extremely limited. The selected operators will provide the transfer station site (s) and make arrangements for transportation and disposal to one or more out-of-state disposal facilities. It is anticipated that the operators will be selected by the end of July, 1986 and the transfer station(s) will be constructed and ready to receive waste by late spring or early summer in 1987.

The Morris County Solid Waste Advisory Council and the Solid Waste Management staff have recommended that the County undertake the activities necessary to site, develop, and implement an in-county transfer station system. The Council has suggested that there be at least two operational transfer stations in the County, one in the West and one in the East.

In addition, the Council has stated that all transfer stations be located

within 1.5 miles of a complete four-way interchange of a federal interstate highway or four lane state highway, and be located in an industrially zoned area.

Even when considering the reduced transportation costs, the development of transfer stations will be more expensive for the homeowner and municipalities. This is due primarily because of the longer distances to the out-of-state landfills and to the relatively short period to amortize the building and equipment.

Funds Available

The New Jersey Office of Recycling is starting a new round of Program Planning and Education Grants for 1986. The deadline for grant applications has been set for August 15.

This year's application is different from previous ones in several ways. The most obvious change is that personnel and travel costs will not be covered under **Program Planning Grants**. The office does, however, encourage each municipalities to apply for funding of a recycling coordinator under an **Education Grant**.

Preference will be given to those applications which concisely outline funding needs for specific items (i.e., a piece of equipment, personnel costs, etc.).

**Give your trash
a second chance.**



Recycle.

*A Publication of
The Board of Chosen Freeholders*

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It is the policy of Morris County not to discriminate against the handicapped in employment or the provision of services.

Printed on Recycled Paper

New Programs . . . Cont. from pg. 1

In **Mt. Olive Township** where they once only enjoyed curbside collection of newspapers there is now a comprehensive recycling program in which residents can choose to participate in a once-a-month curbside collection of glass, aluminum, newspaper and oil or bring these materials to the new recycling depot located across from the library.

Other new programs are in the planning stages in **Mine Hill and Morris Township**. Both municipalities are considering curbside collection of glass, aluminum and newspaper. Negotiations are presently underway to determine the most efficient systems available.

The municipalities mentioned above have joined those other Morris County municipalities in making a commitment toward reducing solid waste in Morris County.



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