

**Morris County  
Solid Waste Management Plan Amendment**

**November 2004**

- **Capacity Expansion:**  
**Morris County Municipal Utilities Authority**  
**Solid Waste Transfer Station/ Materials Recovery Facility,**  
**Mount Olive Township, New Jersey**  
Block: 4500 Lot 5  
Facility ID No.: 133624
  
- **Capacity Expansion:**  
**Morris County Municipal Utilities Authority**  
**Solid Waste Transfer Station/ Materials Recovery Facility,**  
**Parsippany-Troy Hills Township, New Jersey**  
Block: 768 Lots 2.01, 3; Block 769 Lot 1; and  
Block 770 Lots 17, 18 & 19  
Facility ID No.: 132507

**Prepared for:**

**Morris County Board of Chosen Freeholders  
and  
Morris County Solid Waste Advisory Council**

# **MORRIS COUNTY BOARD OF CHOSEN FREEHOLDERS**

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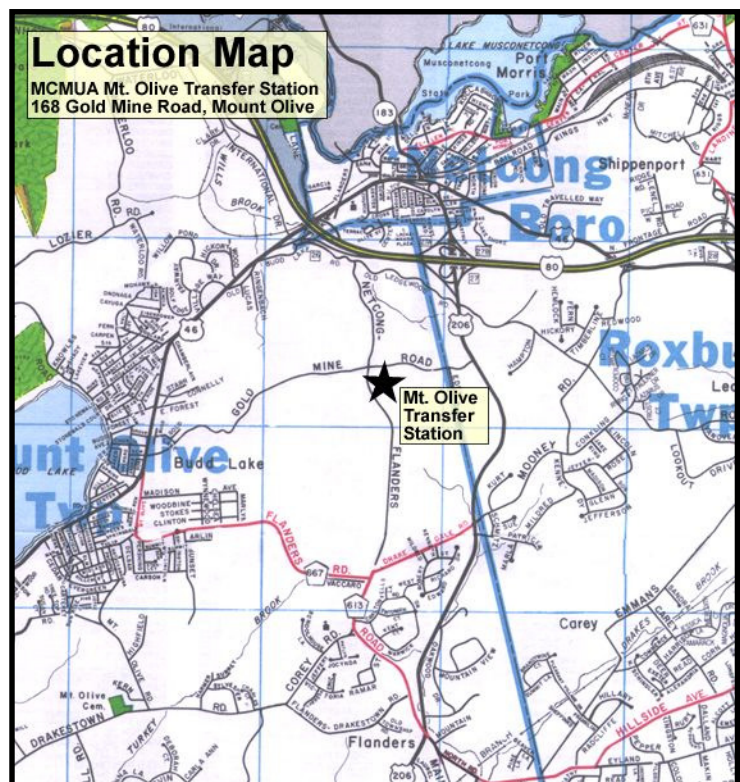
**John J. Murphy**

## Introduction

The New Jersey Solid Waste Management Act (N.J.S.A. 13:1E-1 et seq.) established a comprehensive system for the management of solid waste in New Jersey. The Act designated all twenty-one (21) of the state's counties, and the Hackensack Meadowlands District, as Solid Waste Management Districts, and mandated the respective Boards of Chosen Freeholders and the Hackensack Meadowlands Development Commission develop comprehensive plans for waste management in their respective districts. On January 29, 1981, the New Jersey Department of Environmental Protection (NJDEP) approved, with modifications, the Morris County District Solid Waste Management Plan (Plan). The Act further requires that all new solid waste facilities be approved for plan inclusion or if facilities are already included in the Plan, that the Plan be consistent with permits and/or approvals issued by the NJDEP.

This document has been prepared as an amendment to the Morris County Solid Waste Management Plan regarding capacities for the two Morris County Municipal Utilities Authority solid waste transfer stations/materials recovery facilities, which have previously been included in the Plan. These two facilities include:

- The Mount Olive transfer station / materials recovery facility is located at 168 Gold Mine Road in Mount Olive Township (Mount Olive Facility). This site is identified as Block 4500; Lot 5 on the Mount Olive Township tax map. See Figure 1 for a location map, and;
- The Parsippany-Troy-Hills transfer station / materials recovery facility is located at 1100 Edwards Road in Parsippany-Troy Hills Township (Par-Troy Facility). This site is identified as Block 768 Lots 2.01 and 3; Block 769 Lot 1; and Block 770 Lots 17, 18 and 19 on the Parsippany-Troy Hills Township tax map. See Figure 2 for a location map.

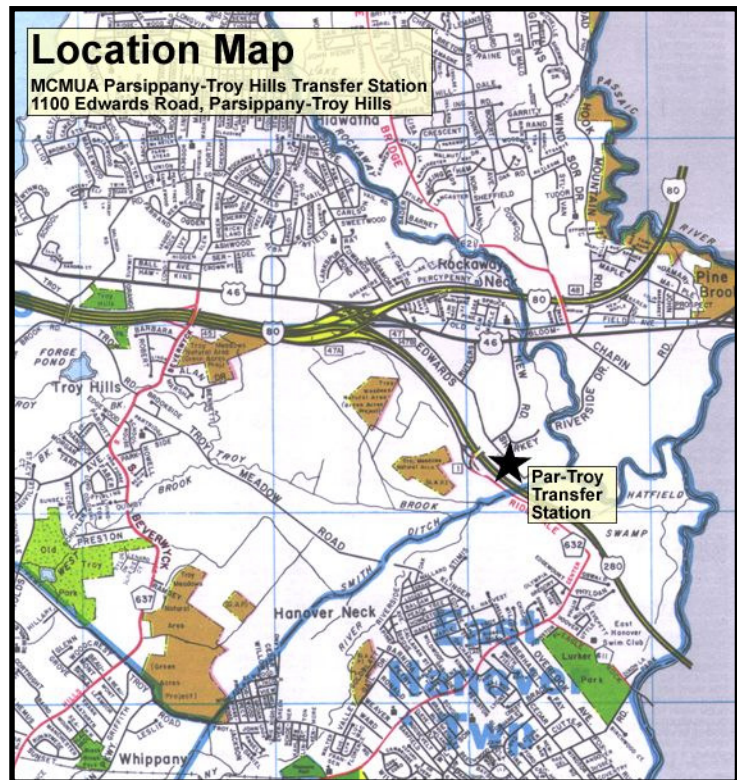


*Figure 1 - Location Map, MCMUA Mt. Olive Transfer Station*

## Background

These two transfer stations were originally included in the Plan in an April 1987 Plan amendment as certified by the New Jersey Department of Environmental Protection (NJDEP) commissioner on July 28, 1987. According to this original 1987 Plan amendment, the Mt. Olive Facility was included in the Plan with a 510 ton-per-day capacity while the Par-Troy Facility was included with a 1,000 ton-per-day capacity. These capacities were based on estimates of waste generation calculated in 1986. The 1987 Plan amendment also stated that the capacity figures may be subject to modification due to changes resulting from seasonal, economic, recycling and developmental impacts. The Mount Olive facility was designed to manage the disposal needs of Morris County's western municipalities while the Par-Troy facility was designed to manage the waste from the county's eastern municipalities. As such, approximately one-third of Morris County's waste would be handled by the Mt. Olive Facility while the remaining two-thirds of Morris County's disposal needs would be handled at the Par-Troy Facility. On January 2, 1988 Morris County's two transfer stations commenced operations handling virtually all of Morris County's disposal needs. These capacities listed in the Plan served Morris County's needs for about six years before needing to be increased.

The demand for these two transfer station facilities grew as the Morris County developed and in a June 1994 Plan amendment, as certified by the NJDEP on October 17, 1994, the allowable capacities for the transfer stations were expanded. The Mount Olive transfer station's capacity was expanded from 510 tons-per-day to 650 tons-per-day. Likewise, the Par-Troy Facility capacity expanded from 1,000 tons-per-day to 1,150 tons-per-day. These capacity expansions were included in the Plan and subsequent permit applications to accommodate the growth experienced by Morris County, most notably in the western portion of the county where generators were directed to dispose of their waste at the Mount Olive Facility. In addition, the capacity expansion was applied for so the transfer stations could handle peak day waste amounts generated by the county. These peak days tended to occur on Tuesdays following Mondays that the facilities were closed due to holidays such as Labor Day and Memorial Day. These updated and increased capacities served Morris County's needs for about 6 years until continued growth in Morris County required that more disposal capacity be permitted at the two transfer stations.



*Figure 2 - Location Map, MCMUA Parsippany-Troy Hills Transfer Station*

At the end of the year 2000 the two transfer stations were beginning the process with NJDEP for permit renewals and minor modifications to the permits. In conjunction with these processes, on January 3, 2001 the county filed an administrative action request with the NJDEP to allow the use of weekly averaging to determine the permitted capacities at the transfer stations. This request for administrative action was approved by NJDEP on January 11, 2001. Weekly averaging allows the facilities to accept tonnage up to the Plan's listed capacity averaged over the course of a workweek while allowing the facilities to accept waste on a daily basis up to the daily not to exceed limits listed in the facilities' solid waste facility permits. As such, the Mount Olive transfer station's weekly capacity, as a result of weekly averaging, was 650 tons-per-day multiplied by six days a week or 3,900 tons-per-week. Likewise, the Par-Troy Facility's weekly averaging capacity was 1,150 tons-per-day multiplied by six days a week for a total of 6,900 tons-per-week. In the permit renewal application for the Mount Olive transfer station, determined to be complete in January 2001 and approved in May 2004 by NJDEP, the transfer station had a daily not to exceed capacity limit of 975 tons-per-day while also maintaining a weekly averaging capacity limit of 3,900 tons-per-week. In the permit renewal application for the Parsippany-Troy Hills transfer station, also determined to be complete in January 2001 and approved in February 2004 by NJDEP, the transfer station had a daily not to exceed capacity limit of 1,380 tons-per-day while also maintaining a weekly averaging capacity limit of 6,900 tons-per-week.

In the three to four year time frame it took to complete the permit renewal process, waste disposal demand at the two transfer stations continued to grow at high rates. After meetings with the NJDEP to discuss strategies to increase the permitted capacities at both transfer stations to meet their increasing demand, it was determined that an increase in the weekly averaging capacity could be obtained if the county filed an administrative action request to increase the Plan's daily capacity at each facility by 100 tons-per-day. This is the maximum increase allowed through the use of an administrative action. On August 10, 2004, the county filed an administrative action request to increase the daily capacity tonnage limit used to determine the weekly averaging limit. As such, the Mount Olive Facility's daily capacity listed in the Plan to determine the weekly averaging limit was increased from 650 ton-per-day to 750 tons-per-day which corresponds to a 600 ton-per-week increase in the weekly averaging capacity. The Mount Olive facility would go from a weekly limit of 3,900 tons per week to 4,500 tons per week. The Par-Troy Facility would increase its daily capacity used to determine weekly capacity from 1,150 tons-per-day to 1,250 tons-per-day. This corresponds to a 600 ton-per-week increase from 6,900 tons-per-week to 7,500 tons-per-week. The August 10, 2004 administrative action was approved by NJDEP on August 19, 2004. While the administrative action was approved these new weekly averaging limits do not take effect until new permit modifications are submitted for the two facilities and approved by NJDEP. The requisite permit modifications will be submitted to the NJDEP in the Fall 2004.

## **Long Term Capacity Expansion**

While the Plan and permit expansions described herein for the most part kept pace with the demand for disposal in Morris County, they have proven to be inadequate to keep up with the disposal demands of Morris County during both its peak days as well as peak weeks. This fact is especially true for the Mount Olive transfer station, which has been handling the waste for the western portion of Morris County. The western portion of Morris County has

experienced more rapid growth and development than the eastern portion of the county since the facilities began operating in 1988.

In order to keep up with the growth and development of Morris County and the rising demand for access to disposal capacity, the county is in a position where it must now amend its Plan to request additional capacity at its two transfer stations. The change in the Plan capacities for both transfer stations will be projected for the next decade based on the growth experienced over the past several years. It is also understood that approval of the Plan's capacities will not necessarily mean the facilities can be permitted to use all the capacity granted in the Plan without filing modifications to their permits and assessing what modifications to the facilities and their associated operations are needed to accommodate the increases in capacity. Nevertheless, increasing the capacity in the Plan is the first step toward seeking approval for accepting increased quantities at the two transfer stations. This Plan amendment represents this first step in getting the long-term capacity increased at both transfer stations so they can be permitted to manage the quantity of waste disposal required for Morris County through 2014.

<b>Morris County Transfer Stations</b>							
<b>Historical Tonnages 1993-2004 and Projected Tonnages 2005-2014</b>							
<b>Year</b>	<b>Mount Olive Transfer Station</b>			<b>Parsippany-Troy Hills Transfer Station</b>			<b>Both T.S.</b>
	<b>Annual Tons</b>	<b>Daily Peak</b>	<b>Avg. Daily Tons</b>	<b>Annual Tons</b>	<b>Daily Peak</b>	<b>Avg. Daily Tons</b>	<b>Annual Tons</b>
1993	110,485	606	354	206,189	1,159	661	316,674
1994	105,176	590	337	197,594	1,011	633	302,770
1995	100,050	566	321	167,630	892	537	267,680
1996	106,276	605	341	155,510	917	498	261,786
1997	99,610	610	319	156,490	855	502	256,101
1998	86,867	496	278	153,811	907	493	240,677
1999	118,614	580	380	188,875	920	605	307,489
2000	155,390	899	498	236,357	1,363	758	391,747
2001	172,443	925	553	258,664	1,398	829	431,106
2002	188,303	1,017	604	254,237	1,328	815	442,540
2003	194,436	1,005	623	267,378	1,769	857	461,813
2004	197,274	975	632	282,246	1,380	905	479,520
2005	202,282	1,046	648	275,446	1,527	883	477,728
2006	212,442	1,094	681	285,451	1,584	915	497,893
2007	222,602	1,141	713	295,455	1,641	947	518,057
2008	232,762	1,188	746	305,460	1,698	979	538,222
2009	242,921	1,235	779	315,465	1,755	1,011	558,386
2010	253,081	1,282	811	325,470	1,812	1,043	578,551
2011	263,241	1,330	844	335,474	1,868	1,075	598,715
2012	273,401	1,377	876	345,479	1,925	1,107	618,880
2013	283,560	1,424	909	355,484	1,982	1,139	639,044
2014	293,720	1,471	941	365,489	2,039	1,171	659,209

*Figure 3 – Historic and projected tonnages managed by the two Morris County transfer stations.*



Figure 3 displays the tonnages accepted at each of the two the transfer stations since 1993. The chart provides information based on each transfer station's annual tonnage, daily peak tonnage accepted during the year and also the average daily tons accepted based on a typical year of 312 days. The historical tonnage data shows a decrease in tonnage from 1993 through 1998 followed by dramatic increases in tonnage from 1999 forward with this increase in tonnage continuing through the current time. In addition, Figure 3 provides 10 annual projections from 2005 through 2014 for the capacity needed at each transfer station to manage Morris County's demand for disposal capacity for the next decade. These future projections are the basis for the capacity expansion being requested as part of this Plan amendment.

## **Plan Amendment**

According the projected need to handle Morris County's waste disposal needs over the next decade, Morris County first needs to increase the transfer stations' capacities listed in the Plan. Based on the projected need for disposal capacity for the western portion of Morris County, the Plan is being modified to list the daily capacity of the Mount Olive transfer station to be 1,500 tons-per-day. Likewise, based on the projected need for disposal capacity for the eastern portion of Morris County, the Plan is being modified to list the daily capacity of the Parsippany-Troy Hills transfer station to be 2,050 tons-per-day. It is planned that these projected waste tonnages for each transfer station will be adequate to manage Morris County's waste disposal needs for the next decade, through 2014.

This proposed Plan amendment is in conformance with the approved Plan by providing for the management of solid wastes generated in Morris County. To insure the broadest possible participation by the general public in this Plan amendment process, the Morris County Board of Chosen Freeholders will conduct a public hearing. All County residents, public officials or organizations interested in this action are encouraged to attend the public meeting and offer testimony.

Inquiries and written comments or questions concerning this proposed plan amendment may be addressed to:

- Morris County Board of Chosen Freeholders  
P.O. Box 900  
Morristown, New Jersey 07963-0900
- Morris County Municipal Utilities Authority  
P.O. Box 370  
Mendham, New Jersey 07945-0370