

Morris County
Solid Waste Management Plan Amendment
February 2001

Morris County Shade Tree Department
Camp Pulaski Class "B" Recycling Center
Mount Olive, New Jersey
Block 400; Lot 1 and Block 401; Lot 4

Prepared for:

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

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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 (SWMP or Plan). The Act further requires that all new solid waste facilities be approved for plan inclusion.

This document has been prepared to amend the Morris County Solid Waste Management Plan to include the Morris County Shade Tree Department's class "B" recycling facility within the Plan.

Site Description

This Plan amendment is for the inclusion of Class "B" wood waste recycling operations at an already existing Class "C" vegetative waste recycling/composting facility. The Class "B" approval would allow the management of natural wood waste in addition to the leaves, grass and brush the Class "C" portion of facility is currently approved manage.

The proposed Class "B" recycling facility will be located in the northern portion of Mt. Olive Township in western Morris County, NJ. The facility will be situated on Lot 4; Block 400 and Lot 1; Block 401 in the Township of Mt. Olive, Morris County. A map displaying the site location has been included as Figure 1. A zoning map displaying current land use of the recycling center site as well as adjoining properties has been included figure 2.

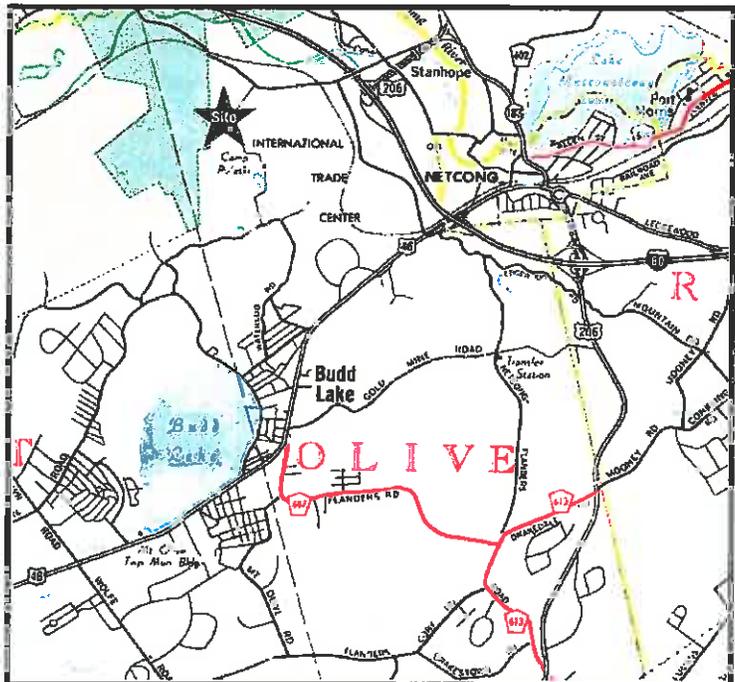


Figure 1 - Site Location Map - Shade Tree Department's Camp Pulsaki Recycling Facility

Type of Material

The materials to be received, stored, processed or transferred at the Class "B" recycling center include:

- Natural Wood Waste, Brush and Logs (Stumps will not be accepted)

With respect to contaminants, all deliveries of the waste materials will be inspected for unpermitted contaminants that are not the materials listed above. Loads with more than the permitted quantity of contamination will be rejected and the party that delivered the material will be required to remove it from the site. Reasonably anticipated contaminants include extremely small quantities of paper, plastic and leaves that may be attached to the wood waste delivered to the site.

Facility Capacity

The Class "B" recycling facility will accept a maximum of 400 cubic yards of materials per day. This converts to 100 tons per day based on:

- 4 cubic yards equals one ton for the natural wood waste, brush and logs and the assumption this will be 100% of the material delivered to the site.

Material Handling and Process Flow

Delivery

All vehicles entering the site must fill out the delivery ticket listing the municipality of origin, quantity of material and the driver must sign the ticket. Each load of recyclable material is inspected thoroughly for contaminants. Any delivery found to contain contaminants above the permitted level will be immediately rejected. If the load has already been unloaded prior to discovery higher than permitted levels of contamination then the party that delivered the load will be responsible for removing the contaminated load immediately for delivery to a facility that is permitted to accept the material.

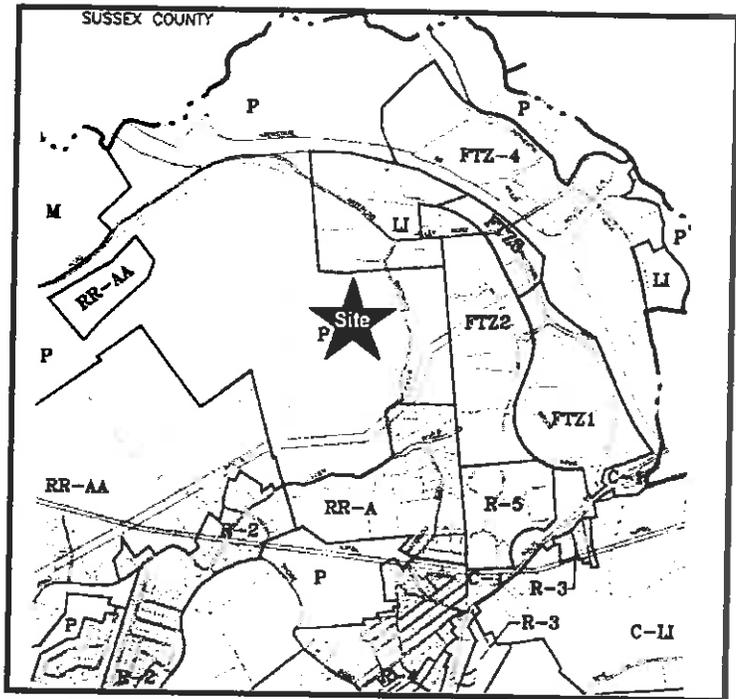


Figure 2 - Zoning Map - Shade Tree Department's Camp Pulsaki Recycling Facility

Grinding Procedures

Wood under 4" in diameter is ground using an Olathe 867TG tub grinder. After first grinding, the material is then run through our Erin Star Screen to separate the fine material from the bulk wood product. The fine material is marketed and the bulk material is then second ground using two inch round screens in the tub grinder. The end product is then marketed for residential and commercial use.

Wood waste over 4" in diameter will be stockpiled in the Area #2 indicated on the site plan. On an as needed basis, the Shade Tree department will subcontract the grinding of the over 4" wood waste to a qualified contractor that has the necessary equipment to perform this task.

Screening Procedures

Screening of finished product is accomplished with our Erin Star Screen 300. All composted material, (i.e.: compost and wood mulch) is screened for maximum quality finished marketable product. When compost is screened, the fines that are taken are immediately put into a load out pile for distribution to contractors, residents, municipalities, non-profit organizations and County use. The overs are stored in site berms for a period of time to allow drying and further break down as to get the maximum finished product out of the second screening. This time period usually does not extend beyond a six to nine month period. No new material is added to the berm until existing material is second screened. When the second screening is complete, any usable aggregate is used on site for site repairs and road repairs. Any non usable material is disposed of in our refuse dumpster (i.e.; *plastics, cans, non compostable material.*)

Screening of wood mulch is accomplished with the same Erin Star Screen 300. The process is two fold as the fines removed from the mulch are used for marketing to contractors, residents, municipalities, non profit organizations and County use, and the overs are reground into a smaller product for marketing the same. There is no non-useable product derived from this process.

Marketing Materials

The finished byproducts of wood mulch are distributed through various means. Residential, Municipal, County, Nonprofit and Commercial groups all have equal access to the products. There is high demand for our wood products. The material is distributed as quickly as it becomes ready.

Residential

An area outside the compost facility has been set aside for any County Resident to pick up wood mulch. Through this office and for a fee, County Residents may order home deliveries.

Municipal

Municipalities in Morris County, participating in the vegetative waste program may return products to their respective towns. The product is then either used by their DPW in local projects, (ie., park and recreation, easement restoration) or made available to local residents. No fees are collected.

County

The Shade Tree Division uses wood mulch in its tree nursery production as decorative cover. The Morris County Park Commission uses the products in various parks. The Morris County Department of Public Works use the products in right of way maintenance, easement and road reconstruction and realignment projects. The County Buildings and Grounds department uses the products for decor restoration.

Nonprofit

Local school districts, community civic groups, religious organizations and similar nonprofit groups take advantage of the product distribution. Delivery is arranged through County, Municipal, or private means. No material fees are collected.

Commercial

The finished products are sold to commercial contractors. Landscapers and soil distributors buy the product wholesale. Contractors arrange delivery. Material fees are collected.

Site Access and Control

The compost facility is secured gates that are locked during hours the facility is not operating. An operator will be present at all hours of operation. The Shade Tree Department's facility shall grant site access to designated representatives of the Morris County Solid Waste Advisory Council, Morris County Municipal Utilities Authority, Township of Mount Olive, Certified County Lead Agency from any county that waste is received from, Local Health Department, and the New Jersey Department of Environmental Protection for the purpose of inspection of site operations and waste management records.

Hours of Operation

The Class "B" recycling center's hours of operation are:

- Monday - Friday 7:30 a.m. - 4:00 p.m.
- Saturday - Usually closed but may open seasonally
- Sunday - Usually closed but may open seasonally

Plan Amendment

Pursuant to N.J.S.A. 13:1E-1 et. seq. Morris County proposes to include the Morris County Shade Tree Department's Camp Pulaski class "B" wood waste recycling facility, Township of Mount Olive (Block 400; Lot 1 and Block 401; Lot 4), Morris County, New Jersey into the Morris County Solid Waste Management Plan. A map illustrating the site location has been included in Figure 1.

This proposed plan amendment is in conformance with the approved SWMP 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