

**AMENDMENT #24**  
**TO THE CUMBERLAND COUNTY**  
**SOLID WASTE MANAGEMENT PLAN**



CUMBERLAND COUNTY IMPROVEMENT AUTHORITY  
2 NORTH HIGH STREET  
MILLVILLE, NEW JERSEY 08332  
December 2015

**AMENDMENT NO. 24 TO THE CUMBERLAND COUNTY  
SOLID WASTE MANAGEMENT PLAN**



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## 1.0 INTRODUCTION

The County of Cumberland proposes to amend the Cumberland County Solid Waste Management Plan (CCSWMP or County Plan) pursuant to the requirements of the New Jersey Solid Waste Management Act (N.J.S.A. 13:1E-1 et. seq.). The New Jersey Solid Waste Management Act (the Act) designates each county in the State and the Hackensack Meadowlands District as solid waste management districts, and provides each county and the Hackensack Meadowlands Development Commission with the authority to develop and implement comprehensive solid waste management plans which meet the needs of every municipality within each county and within the Hackensack Meadowlands District. The Act requires that all district plans be based on and accompanied by a report detailing the existing waste disposal situation in the district, and a plan which includes the strategy to be followed by the district in meeting the solid waste management needs of the district for a 10 year planning period. The Act further provides that a district may review its plan at anytime and, if found inadequate, adopt a new plan.

The Cumberland County Solid Waste Management Plan was adopted by the Cumberland County Board of Chosen Freeholders on December 13, 1979, and approved with modifications by the Commissioner of the New Jersey Department of Environmental Protection (NJDEP) on March 4, 1981. Since 1981, twenty-two amendments to the SWMP have been adopted by the Board of Chosen Freeholders and later approved by the Commissioner. The 2007 Solid Waste Management Plan Update (Plan Amendment No. 19) was approved by the Cumberland County Board of Chosen Freeholders on October 25, 2007.

The purpose of the twenty-fourth amendment to the Cumberland County Solid Waste Management Plan is as follows:

1. To add a Solid Waste Gasification Facility into the Cumberland County Solid Waste Management Plan. The owner of this facility is AMP New Jersey, LLC and Energy 3

To insure the broadest possible participation by the general public in this Plan Amendment process, the Cumberland County Board of Chosen Freeholders has scheduled a public hearing on 22<sup>th</sup> day, December 2015 at 6:00 P.M. at 164 W. Broad Street, Bridgeton. All County residents, public officials or organizations interested in

Amendment No. 24 to the SWMP are encouraged to attend and offer testimony.

Copies of Plan Amendment No. 24 are available for review at:

- The office of the Cumberland County Improvement Authority, located at 2 North High Street, Millville, NJ.
- The office of the County Clerk, located at 60 West Broad Street, Bridgeton, NJ.
- The Municipal Clerk's office in each of the 14 Cumberland County Municipalities

Inquiries and/or comments concerning this proposed Plan Amendment may be forwarded in writing to:

Cumberland County Board of Chosen Freeholders  
164 West Broad Street  
Bridgeton, NJ 08302

or

Cumberland County Improvement Authority  
2 North High Street  
Millville, NJ 08332

## 2.0 SUMMARY OF CUMBERLAND COUNTY SOLID WASTE MANAGEMENT PLAN

The Cumberland County Solid Waste Management Plan was adopted by the Cumberland County Board of Chosen Freeholders on December 13, 1979, and approved with modifications by the Commissioner of the New Jersey Department of Environmental Protection (NJDEP) on March 4, 1981. The SWMP consists of an integrated approach to solid waste management that includes waste reduction, source separation and recycling, resource recovery, and landfilling.

The original SWMP set forth a process for siting a regional landfill to serve Cumberland County, developing a resource recovery facility to serve the County, and developing recycling programs in each municipality in the County. Furthermore, the plan designated the Cumberland County Improvement Authority (Improvement Authority) as the solid waste implementing agency within the County. In order to further develop the SWMP and meet the requirements of the Solid Waste Management Act and the Mandatory Source Separation and Recycling Act that was passed in 1987, the County prepared several plan amendments that are described below:

<b>Amendment No.</b>	<b>Date of Amendment</b>	<b>NJDEP Approval</b>	<b>Purpose of Amendment</b>
1	July 14, 1983	December 22, 1983*	Prepare background studies and update the Solid Waste Management Plan
2	March 15, 1984	July 30, 1984	Select site for Cumberland County Solid Waste Complex
3	May 8, 1986	October 9, 1986	Leaf and vegetative waste composting policy, interim disposal capacity, transportation analysis and construction debris
4	October 17, 1987	March 9, 1988*	County Recycling Plan
5	October 17, 1987	March 9, 1988*	Resource Recovery Investment Tax (RRIT) disbursement schedule, convenience centers, solid waste contingency plan, existing landfill closures and litter abatement partnership program
6	July 26, 1989	November 27, 1989*	Modifications to Amendment No. 4 and No. 5 as required by NJDEP

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7	December 20, 1989	June 4, 1990	Use of RRIT funds for Material Separating Facility (MSF) and household recycling buckets
8	July 18, 1981	January 3, 1992*	Include recycling centers located in the County, development of a bulky waste recycling facility at the Solid Waste Complex and expand use of RRIT funds for MSF operating costs
9	June 9, 1992	September 18, 1992 November 17, 1992*	Revise RRIT fund disbursement schedule, include additional recycling centers located in the County, address recommendations of NJDEP Emergency Solid Waste Assessment Task Force Final Report and include blanket inclusion policy for recycling centers
10	April 14, 1994	August 15, 1994	Response to Governor's Emergency Solid Waste Assessment Task Force in the areas of recycling, enforcement, education and source reduction  Plan for debris disposal from the demolition of the County Manor
11	December 15, 1994	April 27, 1995	Expanding Amendment No. 10, includes procurement practices, household hazardous waste collection program and collection of recyclables Delays construction of bulky waste recycling facility (see Amendment No. 8) and includes a Class "B" recycling center into the County Plan
12	June 22, 1995	August 3, 1995	Inclusion of a Class "B" recycling center into the County Plan
13	April 10, 1997	August 5, 1997	Revise RRIT fund disbursement schedule and deletes construction of bulky waste recycling facility from the County Plan (see Amendment No. 11)
14	January 15, 1998	April 24, 1998	Response to May 1, 1997 decision of the U.S. Court of Appeals for the Third Circuit, which declared unconstitutional New Jersey's historic system of solid waste flow control

<b>Amendment No.</b>	<b>Date of Amendment</b>	<b>NJDEP Approval</b>	<b>Purpose of Amendment</b>
15	May 11, 2000	October 9, 2000	<p>Revised solid waste disposal strategy;</p> <p>Increased the permitted disposal capacity of the Cumberland County Solid Waste Complex (CCSWC) landfill;</p> <p>Added Block 76, Lots 18 and 19 and portions of Lots 2, 3 and 4 in Deerfield Township to the existing permitted CCSWC landfill site to provide additional buffer and storm water detention;</p> <p>Added Kennedy Concrete, INC., in the City of Vineland, as a Class "B" Recycling Center for the recycling of concrete; and</p> <p>Added Federal Disposal, Inc., in the City Vineland, as Class A/Class B Recycling Facility and as a Material Recovery/Solid Waste Transfer Station.</p>
16	August 2003 (Rev. Oct. 2003)	July 13, 2004	<p>Adds: Recyclables Transfer Station; Class "B" Recycling Facility for Tires; Clean Wood Chipping Operation; Leaf Composting Facility; and Permanent Household Hazardous Waste Collection Facility at the Cumberland County Solid Waste Complex.</p> <p>Adds an additional four acres to the Mid Atlantic Recycling Technology, Inc. (MART) facility located at Block 89, Lot 14 in the City of Vineland.</p> <p>Adds an exempt leaf composting facility proposed by the Township of Maurice River to be located on Block 250, lot 5 in Maurice River Township.</p>
17	February 2005	August 10, 2005	<p>Includes Nature's Choice as a Class "B" Recycling Facility located on Block 905, Lots 6 in Upper Deerfield Township for the receipt, storage, processing, and/or transfer of whole trees, tree trunks, tree parts, tree stumps, brush and clean pallets.</p>

<b>Amendment No.</b>	<b>Date of Amendment</b>	<b>NJDEP Approval</b>	<b>Purpose of Amendment</b>
18	November, 2005	April 26, 2006	Includes: a lateral and vertical expansion of the landfill; new commercial convenience center; new access roads, scales and scale house; new equipment storage and maintenance facility; new diesel and gasoline fueling station; modifications to Administration/ maintenance facility to accommodate employee needs; Modifications to Material Separating Facility to house a public education and employee training center; improvements to leachate collection, pretreatment and load-out facilities; Aerobic/anaerobic bioreactor RD&D project. Removes Federal Disposal from the county solid waste management plan.
19	October 25, 2007	April 25, 2008	2007 Update of the Cumberland County Solid Waste Management Plan, in response to the requirements of the Statewide Solid Waste Management Plan Update.
20	April 7, 2008	August 5, 2008	Adds Thompson's Paving, Inc. as a Class "B" Recycling Facility for the receipt, processing and/or transfer of whole trees, tree trunks, tree parts, tree stumps, brush, untreated pallets and untreated wood; and for the receipt, storage, processing and/or transfer of concrete, brick, and block. Provides for the inclusion of Renewable Energy Projects and potential Greenhouse Gas Reduction Projects at the Cumberland County Solid Waste Complex.
21	April 26, 2011	July 7, 2011	Re-institutes solid waste flow control within Cumberland County and designates the Cumberland County Solid Waste Complex as the designated disposal facility for all solid waste types 10, 13, 13C, 23, 25, 27, and 27A generated within Cumberland County.



22	October 22, 2013	May 8, 2014	Deletion of Casie Ecology Oil Savage Inc., Class "D" Recycling Facility (Casie) and Mid-Atlantic Recycling Technology Class "B" Recycling Facility from the Cumberland County Solid Waste Management Plan.
23	December 22, 2015	Pending	Add a Class "B" Recycling Facility The Cumberland County Solid Waste Complex

\* Approved with modifications requested by the Commissioner of NJDEP

### 3.0 **Purpose and Background**

AMP New Jersey, LLC and Energy 3, LLC have proposed upgrading its existing gasification facility in order to accept up to 99 tons per day of solid waste for the purpose of gasifying the incoming materials and producing electricity for export sale to off-site customers.

The proposed facility upgrade as a gasification/thermal destruction facility for purposes of allowing the company to obtain the necessary solid waste permits from the New Jersey Department of Environmental Protection. This action by the County will permit the company to apply to the NJDEP for a Research, Development and Demonstration approval ("RDD") and/or a solid waste facility permit as a thermal destruction facility.

The facility will accept no more than 99 tons per day (as an average on an annual basis) and the location of the facility is: Block 489, Lot 8.01 in the municipality of Millville, Cumberland County.

The proposed facility shall comply with all aspects of the present Cumberland County District Solid Waste Management Plan, including the direction of all solid waste generated within the County to the Cumberland County Improvement Authority's solid waste landfill.

### 3.1 **The Plan**

Upon adoption of this Plan Amendment 24 by the Cumberland County Board of Chosen Freeholders and its certification by the Commissioner of NJDEP to add this facility to the Cumberland County Solid Waste Management Plan.