



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF SOLID & HAZARDOUS WASTE

MAIL CODE 401-02C

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Lt. Governor

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

August 27, 2018

Gerard Velazquez, III, President/CEO
Cumberland County Improvement Authority
Two North High Street
Millville, NJ 08332

Re: Solid Waste Facility Permit Minor Modification
Cumberland County Solid Waste Complex
Township of Deerfield, Cumberland County
Program Interest Number: 133530
Permit Number: LOP170002

Dear Mr. Velazquez:

Enclosed please find a modified Solid Waste Facility (SWF) Permit ("Permit") for the Cumberland County Solid Waste Complex (CCSWC). This modified SWF Permit supersedes the SWF Permit of May 5, 2016 and corrects an inconsistency between the cumulative design volume of the landfill as represented in previously approved plans and documents. The total permitted landfill capacity of the CCSWC is now 15,149,140 cubic yards.

In addition to the modification requested by the Cumberland County Improvement Authority, the Bureau of Solid Waste Permitting ("Bureau") has taken the opportunity to add a new condition to the modified Permit that clarifies the Permittee's obligation to comply with additional reporting requirements in the case of a declared emergency. The Bureau has also updated certain regulatory citations due to the September 5, 2017 rule adoption.

If you have any questions concerning this matter, please contact Ross M. Hull of my staff by telephone at (609) 984-5936, or by email at ross.hull@dep.nj.gov.

Sincerely,



Anthony Fontana, Chief
Bureau of Solid Waste Permitting

Enclosure

- c: Mary Anne Goldman, Env. Engineer 4, DEP – Bureau of Solid Waste Permitting
Tom Farrell, Chief, DEP – Bureau of Solid Waste Compliance and Enforcement
John Stavash, Supervisor, DEP – Bureau of Solid Waste Compliance and Enforcement
Carlton Dudley, Chief, Bureau of Solid Waste Planning and Licensing
Karen Kloo, Chief, Bureau of Recycling and Hazardous Waste Management
Mary Toogood, Manager, Bureau of Air Compliance and Enforcement – South
Larry Herrighty, Director, Division of Fish and Wildlife
Diane Dow, Director, Division of Land Use Regulation
Richard Reilly, Chief, Bureau of Inland Regulation
Melisse Carasia-Auriti, Section Chief, Bureau of Surface Water Permitting
James Murphy, Acting Chief, Bureau of Nonpoint Pollution Control
Gautam Patel, Chief, Bureau of Environmental, Engineering and Permitting
Celeste M. Riley, Clerk, County of Cumberland
Kathy Gandy, Env. Health Coordinator, Cumberland County Department of Health
Honorable Abigail Perlstein O'Brien, Mayor, Township of Deerfield
Karen Seifrit, Clerk, Township of Deerfield
Ron Durham, Chairman, Township of Deerfield Land Use Board
Honorable Michael Santiago, Mayor, City of Millville
Jeanne Hitchner, Clerk, City of Millville
Robert S. Gallaher, Jr., Chairman, City of Millville Planning Board
Honorable Anthony Fanucci, Mayor, City of Vineland
Keith Petrosky, Clerk, City of Vineland
David Manders, Chairman, City of Vineland Planning Board
Diane Amico, Chairperson, City of Vineland Environmental Commission
Robert Dickinson, Health Officer, City of Vineland Health Department
Amber Hawk, Senior Registered Env. Health Spec., Salem County Department of Health and Human Services
Honorable Jeffrey T. Ridgway, Jr., Mayor, Township of Pittsgrove
Constance S. Garton, Clerk, Township of Pittsgrove
Dominick Miletta, III, Chairman, Township of Pittsgrove Planning Board
Ronald McBride, Chairman, Township of Pittsgrove Environmental Commission



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Commissioner

SOLID WASTE FACILITY PERMIT

Under the provisions of N.J.S.A. 13:1E et seq. known as the Solid Waste Management Act, this Solid Waste Facility Permit is hereby issued to:

CUMBERLAND COUNTY IMPROVEMENT AUTHORITY

Facility:	Cumberland County Solid Waste Complex
Block Number:	76
Lot Numbers:	14, 15, 16, 18, and 19
Municipality:	Township of Deerfield
County:	Cumberland
Program Interest Number:	133530
Permit Number:	LOP170002

This Permit is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection.

This Permit shall not prejudice any claim the State may have to riparian land nor does it allow the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be riparian, wetlands, stream encroachment or flood plains, or within the Coastal Area Facility Review Act zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits, or approvals from the Department of Environmental Protection.

February 1, 2016
Issuance Date

May 5, 2016
Modification Date

August 27, 2018
Modification Date

February 1, 2021
Expiration Date

Anthony Fontana, Chief
Bureau of Solid Waste Permitting

Scope of the Permit

This Permit, along with the referenced application documents herein specified, shall constitute the sole approval of solid waste facility operations at the **Cumberland County Solid Waste Complex** located in the Township of Deerfield, Cumberland County, New Jersey. Any registration, approval, or permit previously issued by the Division of Solid & Hazardous Waste, or its predecessor agencies, for the specific activities described below and as conditioned herein, is hereby superseded.

Facility Description

The Cumberland County Solid Waste Complex ("CCSWC"; "Complex"), owned and operated by the Cumberland County Improvement Authority ("Authority"; "Permittee"), is located at 169 Jesse Bridge Road (County Route 636), approximately one-half mile north of Sherman Avenue (County Route 552) in the Township of Deerfield, Cumberland County, New Jersey. The Complex is situated on a 239.07-acre site, of which 107.4 acres is authorized for landfill operations and the remaining 131.67 acres provides buffers, borrow areas for daily/intermediate cover, and ancillary structures. The landfill has an approved maximum elevation of 227.5 feet above mean sea level and a permitted final capacity of 15,149,140 cubic yards.

The Authority is permitted to receive solid waste Monday through Friday at the Complex from the hours of 7:00 a.m. to 7:00 p.m., and from 8:00 a.m. until 12:00 p.m. on Saturdays, and is authorized to accept solid waste types (ID#s) 10, 13, 13C, 23, 25, 27, 27A, and 27I. All solid waste collection/haulage vehicles enter the facility via the paved access road from Jesse Bridge Road, and subsequently proceed to the scale house. All solid waste collection/haulage vehicles are prohibited from traveling on "Construction Entrance Road" situated on Block 76, Lot 19, near Old Kenyon Road. Delivery trucks and/or transfer trailers accessing or exiting the facility are not allowed to park or queue on any public road. All truck maneuvering and staging occurs within the limits of the Complex.

Solid Waste Facility Permit Modification Dated May 5, 2016

The modification authorized construction of modifications to the leachate treatment system at the Complex. Specifically, the modifications include the installation of systems to concentrate leachate treatment system rejects and improve performance of the leachate bioreactor.

This Solid Waste Facility Permit Minor Modification

This SWF Permit includes a minor modification; specifically, correction of an inconsistency in the cumulative design volume of the landfill in previously approved plans and documents. The proposed correction would not result in an increase in the permitted acreage or maximum height of the landfill, but rather memorializes the landfilling of a volume of air space between a 1:3-sloped Cells 1 – 6 and a 1:3-sloped Cells 7 – 9. The conceptual landfilling of this volume was approved in the SWF Permit issued to the Permittee by the Department on May 29, 2009; however, the subject 1,351,510 cubic yards was inadvertently omitted from the overall quantitative permitted capacity of the CCSWC. The subject SWF Permit Modification will result in an updated total landfill capacity of 15,149,140 cubic yards.

The modified SWF Permit also includes a new condition regarding reporting requirements during a declared emergency and updates regulatory citations due to the September 5, 2017 rule adoption.

Approved Permit Application and Associated Documents

The Permittee shall construct and operate the facility in accordance with N.J.A.C. 7:26-1 *et seq.*, the conditions of this Permit, and the following documents:

- a. Engineering Design Report and Environmental Impact Statement, dated December 1984, prepared by Camp, Dresser & McKee, Inc.
- b. Engineering plans, Sheets 1 through 22, dated January 1985, signed by William S. Howard, P.E. of Camp, Dresser and McKee, Inc., and revisions to Sheets G-10, G-11, and G-13 dated June 1985 and to Sheets 1 through 12 dated September 1985.
- c. Engineering plans, Sheets 1 through 31, dated May 1, 1990, signed by Robert F. Hasemeier, P.E. and John E. Waters, P.E. of Gannett Fleming, Inc.
- d. Engineering Design Report and Environmental Impact Statement, dated May 1990, prepared by Gannett Fleming, Inc. for Permit Modification and Renewal for Construction of Phase III through VI of the Landfill.
- e. Supplements Nos. 1 and 2 of the Engineering Design Report dated August 1990, prepared by Gannett Fleming, Inc. for Permit Modification and Renewal.
- f. Engineering plans, Sheets 1 through 29, labeled "1995 Permit Modification and Renewal," dated November 1995, prepared by James C. Anderson Associates.
- g. Engineering Design Report - 1995 Permit Modification and Renewal, volumes I-III, dated November 1995, signed by David W. Munion, P.E. of James C. Anderson Associates.

- h. Engineering plans, Sheets 1 through 28, labeled "1998 Volume Expansion," dated May 1998, signed by David W. Munion, P.E. of James C. Anderson Associates.
- i. Engineering Design Report - 1998 Volume Addition, Volumes I-III, dated May 1998, prepared by James C. Anderson Associates.
- j. Construction plans, Sheets 1 through 26, dated June 2, 2000, labeled "Phase V Development," and prepared by James C. Anderson Associates.
- k. Construction Specifications and Quality Assurance/Quality Control (QA/QC) Plan, dated June 2000, signed by David W. Munion, P.E., of James C. Anderson Associates.
- l. Engineering Drawings and Construction Plans, Sheets 1 through 26 dated April 19, 2005, labeled "Lateral Expansion," prepared by T&M Associates; Drawings signed and sealed by David Munion, P.E., N.J. License #32490.
- m. Engineering Design Report and Environmental Impact Statement, dated April 19, 2005, prepared by T&M Associates for Phase VI Expansion and Permit Renewal; submittal based on expansion with two cells (i.e., Cells 7 and 8).
- n. Engineering Drawings and Construction Plans, Sheets 1 through 26 dated September 17, 2007, labeled "Lateral Expansion," prepared by T&M Associates; drawings signed and sealed by David Munion, P.E., N.J. License #32490; revisions based on expansion with three cells (i.e., Cells 7, 8, and 9), as well as in response to comments included in Agency correspondence dated March 20, 2007.
- o. Revised Engineering Design Report submitted under cover letter dated September 17, 2007, prepared by T&M Associates for Phase VI Expansion and Permit Renewal; revision based on expansion with three cells (i.e., Cells 7, 8, and 9), as well as in response to comments included in Agency correspondence dated March 20, 2007.
- p. Revised Engineering Design Report submitted under cover letter dated October 15, 2007, prepared by T&M Associates for Phase VI Expansion and Permit Renewal; submittal included revised Chapter 10 – QA/QC Plan for construction of Cells 7, 8, and 9.
- q. Addendum including Revised Engineering Design Report and Drawing C4 (signed and sealed by David Munion, P.E., and dated February 8, 2008); Addendum submitted under cover letter dated February 11, 2008, prepared by T&M Associates for Phase VI Expansion and Permit Renewal.
- r. Letter dated April 1, 2008, signed by Jeffrey Winegar, P.E., Group Manager, T&M Associates, for Phase VI Expansion and Permit Renewal; letter transmitting

revised Drawing C4, dated April 1, 2008, signed and sealed by David Munion, P.E.

- s. Addendum including revised sections of the Engineering Design Report and Drawings C4, C12, and C13 (signed and sealed by David Munion, P.E., and dated June 13, 2008); Addendum submitted under cover letter dated June 13, 2008, prepared by T&M Associates for Phase VI Expansion and Permit Renewal.
- t. Letter dated July 24, 2008, signed by David Munion, P.E., Vice President, T&M Associates, for Phase VI Expansion and Permit Renewal; submittal regarding the groundwater flow velocity determination in the vicinity of the landfill.
- u. Letter dated August 22, 2008, signed by Jeffrey Winegar, P.E., Group Manager, T&M Associates, for Phase VI Expansion and Permit Renewal; submittal regarding the proposed final elevation of the landfill.
- v. Request received by the Department from the Cumberland County Improvement Authority dated February 27, 2009, to modify the facility site plan (i.e., Drawing C1) and the facility plan (i.e., Drawing C2) to include a Household Hazardous Waste/Universal Waste Collection Facility at the Solid Waste Complex.
- w. Operation and Maintenance (O&M) Manual dated September 2009 submitted by David Munion, P.E., Vice President, T&M Associates, under cover letter dated September 30, 2009.
- x. Appendices E, F, G, and H for the O&M Manual document dated September 2009 submitted by Jeffrey Winegar, P.E., Group Manager, T&M Associates, under cover letter dated October 2, 2009.
- y. Report dated January 24, 2011, prepared by Craig R. Calabria, Ph.D., P.E., GeoSystems Consultants, Inc., which evaluates the effects of the proposed changes to the Subgrade Compaction Criteria.
- z. Letter dated February 10, 2011, signed by David Munion, P.E., Vice President, T&M Associates, which explains the requested changes in the Subgrade Compaction Criteria.
- aa. Engineering and Design Report, Environmental and Health Impact Statement (EHIS), and O&M Manual dated April 2014, prepared by Jeffrey B. Winegar, P.E., Group Manager, T&M Associates, as part of SWF Permit Renewal; hand-delivered on April 10, 2014.
- bb. Engineering Drawings and Construction Plans, Drawings C1 through C46, dated April 7, 2014, labeled "2014 Solid Waste Facility Permit Renewal," prepared by T&M Associates, signed and sealed by Jeffrey B. Winegar, P.E.; Drawings 1 and

2 dated February 1 and 4, respectively prepared by SCS Engineers and signed and sealed by Eric R. Peterson, P.E.; hand-delivered on April 10, 2014.

- cc. Letter dated October 31, 2014, signed by Jeffrey B. Winegar, P.E., Group Manager, T&M Associates, transmitting revised Drawings C2, C7, C12, C14, C15, C16, C17, C20, C21, C22, C24, C29, C44, and C45, dated October 30, 2014, signed and sealed by Jeffrey B. Winegar, P.E.
- dd. Letter dated March 9, 2015, signed by Jeffrey B. Winegar, P.E., Group Manager, T&M Associates, transmitting revised pages of 2014 O&M Manual and revised Drawings C3 and C37, dated January 19, 2015, signed and sealed by Jeffrey B. Winegar, P.E.
- ee. E-mail dated March 24, 2015 from Jeffrey B. Winegar, P.E., Group Manager, T&M Associates, transmitting revised pages of 2014 O&M Manual.
- ff. Letter dated June 8, 2015, signed by Jeffrey B. Winegar, P.E., Group Manager, T&M Associates, transmitting revised pages of 2014 O&M Manual, 2014 EHIS, and revised Drawing C5, dated June 8, 2015, signed and sealed by Jeffrey B. Winegar, P.E.
- gg. Letter dated June 23, 2015 signed by Jeffrey B. Winegar, P.E., Group Manager, T&M Associates, transmitting revised pages of 2014 O&M Manual and 2014 Engineering Design Report.
- hh. Application for a Major Permit Modification prepared by and submitted under a signed cover letter by Jeffrey B. Winegar, P.E., Group Manager of T&M Associates, dated June 27, 2017.
- ii. Letter dated July 12, 2018 signed by Dr. Mohammad R. Zaman, P.E., Assistant Director of Environmental Services, CME Associates, transmitting a:
 - revised O& Manual dated July 2018; and
 - document entitled “Deed Description, Combined Lots 14, 2, 3, and 4 of Block 76, Cumberland County Improvement Authority,” dated April 24, 2018, and signed and sealed by Guy M. DeFabrites, P.L.S. This document replaces a similar deed description for these parcels signed and sealed by Mr. DeFabrites, dated February 23, 2017.
- jj. Letter dated July 19, 2018 signed by Dr. Mohammad R. Zaman, P.E., Assistant Director of Environmental Services, CME Associates, transmitting revised pages of the July 2018 O&M Manual.

In case of conflict, the provisions of N.J.A.C. 7:26-1 *et seq.* shall have precedence over the conditions of this Permit, and the conditions of this Permit shall have precedence over plans and specifications listed above.

Attachment – Permit Conditions

The conditions of this Permit are found in the attached document entitled “CUMBERLAND CNTY SOLID WASTE COMPLEX 133530 LOP170002 SW Landfill Operating Permit -Minor Modification Requirements Report.”

CUMBERLAND CNTY SOLID WASTE COMPLEX
133530 LOP170002 SW Landfill Operating Permit -Minor Modification
Requirements Report

Subject Item: PI 133530 -

1. The Permittee shall operate the facility in compliance with the requirements of N.J.A.C. 7:26-2.11. [N.J.A.C. 7:26- 2.8(i)]
2. The Permittee shall operate the facility in conformance with all of the conditions, restrictions, requirements, and any other provisions set forth in this Permit. [N.J.A.C. 7:26- 2.8(j)]
3. Except for minor modifications as set forth at N.J.A.C. 7:26-2.6(d), the Permittee shall not modify, revise, or otherwise change any condition of this Permit without prior written approval of the Department. [N.J.A.C. 7:26- 2.8(k)]
4. If the Permittee wishes to continue the operation of this facility after the expiration date of this Permit, the Permittee shall apply for Permit renewal at least 90 days prior to the expiration date of this Permit, and the facility must be included in the District Solid Waste Management Plan at the time of such application. [N.J.A.C. 7:26- 2.7(b)1]
5. The conditions of this Permit shall continue in force beyond the expiration date of this Permit pursuant to the Administrative Procedure Act, N.J.S.A. 52:14B-11, until the effective date of a new Permit if the Permittee has submitted a timely and complete application for a Permit Renewal at least 90 days prior to the expiration of this Permit and the Department, through no fault of the Permittee, does not issue a new Permit with an effective date on or before the expiration date of this Permit, due to time or resource constraints. [N.J.A.C. 7:26- 2.7(c)]
6. Permits continued under the Administrative Procedure Act remain fully effective and enforceable. If the Permittee is not in compliance with any one of the conditions of the expiring or expired Permit, the Department may choose to: initiate enforcement action based on the Permit which has been continued; issue a notice of intent to deny the new Permit under N.J.A.C. 7:26-2.4 - if the Permit is denied, the Permittee would then be required to cease activities and operations authorized by the continued Permit or be subject to an enforcement action for operating without a Permit; issue a new Permit under N.J.A.C. 7:26-2.4 with appropriate conditions; or take such other actions as are authorized by N.J.A.C. 7:26-1 et seq. or the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq. [N.J.A.C. 7:26- 2.7(d)]
7. Should the Department determine that the facility is being operated in an environmentally unsound manner in accordance with N.J.A.C. 7:26-2.8(p) the Permittee shall: within 90 days of notification by the Department, submit a plan to close or environmentally upgrade the facility in conformance with the applicable standards, as determined by the Department and set forth in N.J.A.C. 7:26-1 et seq.; within 90 days of receipt of written approval by the Department of the submitted plan, begin to close or construct the environmental upgrading at the facility; and within one (1) year of receipt of written approval by the Department of the submitted plan, complete closure or construction of the environmental upgrading at the facility. [N.J.A.C. 7:26- 2.8(p)]
8. A one-time extension of the compliance schedule established by N.J.A.C. 7:26-2.8(p) shall be granted by the Department provided the Permittee demonstrates that it has made a good faith effort to meet the schedule. [N.J.A.C. 7:26- 2.8(q)]
9. Should the environmental upgrading required pursuant to N.J.A.C. 7:26-2.8(p) not be completed or should continued operations be determined by the Department to be environmentally unsound despite the implementation of the plan approved pursuant to N.J.A.C. 7:26-2.8(p), the Permittee shall temporarily or permanently cease facility operations and close or enter into receivership, as provided for in N.J.S.A. 13:1E-9, for that period of time necessary to rectify the environmentally unsound conditions. [N.J.A.C. 7:26- 2.8(r)]

CUMBERLAND CNTY SOLID WASTE COMPLEX
133530 LOP170002 SW Landfill Operating Permit -Minor Modification
Requirements Report

Subject Item: PI 133530 -

10. If cause exists, the Department may modify, or revoke and reissue this Permit, subject to the limitations of N.J.A.C. 7:26-2.6, and may require the Permittee to submit an updated or new application in accordance with N.J.A.C. 7:26-2.6(e), if appropriate. [N.J.A.C. 7:26- 2.6(a)1]
11. The Department may modify or, alternatively, revoke and reissue this Permit if cause exists for termination under N.J.A.C. 7:26-2.6(c) and the Department determines that modification or revocation and reissuance is appropriate. [N.J.A.C. 7:26- 2.6(b)]
12. Upon the request of the Permittee, an interested party, or for good cause, the Department may make certain minor modifications to a Permit without issuing a tentative approval, providing public notice thereof, or holding a public hearing thereon. [N.J.A.C. 7:26- 2.6(d)]
13. Where the Permittee becomes aware that it failed to submit any relevant facts in a Permit application, or submitted incorrect information in a Permit application or in any report to the Department, the Permittee shall promptly submit such facts or information. [N.J.A.C. 7:26- 2]
14. All completed registration statements submitted by the Permittee shall be signed as specified at N.J.A.C. 7:26-2.4(e)1. [N.J.A.C. 7:26- 2.4(e)1]
15. All engineering designs and reports, the Environmental and Health Impact Statement (EHIS), other information requested as "Addendums" by the Department pursuant to N.J.A.C. 7:26-2.4(f) and (g)4, and documents required to be submitted pursuant to N.J.A.C. 7:26-2.9 and 2.10, submitted on behalf of the Permittee, shall be signed by a person described in N.J.A.C. 7:26-2.4(e)1 or by a duly authorized representative of that person, as specified at N.J.A.C. 7:26-2.4(e)2. [N.J.A.C. 7:26- 2.4(e)2]
16. Any person signing a registration statement, engineering design or report, EHIS, or addendum mentioned in N.J.A.C. 7:26-2.4(e)1 or (e)2, submitted on behalf of the Permittee, shall make the certification specified at N.J.A.C. 7:26-2.4(e)3. [N.J.A.C. 7:26- 2.4(e)3]
17. The Permittee shall not transfer ownership of the Permit without receiving prior written approval of the Department, in accordance with N.J.A.C. 7:26-2.7(e). [N.J.A.C. 7:26- 2.8(l)]
18. A written request for permission to allow any transfer of ownership or operational control of the facility must be received by the Department at least 180 days in advance of the proposed transfer. The request for approval shall include all of the information required by N.J.A.C. 7:26-2.7(e)1i-iv. [N.J.A.C. 7:26-2.7(e)1]
19. A new owner or operator may commence operations at the facility only after the existing Permit has been revoked and a Permit is issued pursuant to N.J.A.C. 7:26-2.4. [N.J.A.C. 7:26- 2.7(e)2]
20. During a transfer of ownership, the Permittee of record remains liable for ensuring compliance with all conditions of the Permit unless and until the existing Permit is revoked and a new Permit is issued in the name of the new owner or operator. [N.J.A.C. 7:26- 2.7(e)3]
21. Compliance with the transfer requirements set forth in N.J.A.C. 7:26-2.7 shall not relieve the Permittee from the separate responsibility of providing notice of such transfer pursuant to the requirements of any other statutory or regulatory provision. [N.J.A.C. 7:26- 2.7(e)4]
22. Prior to May 1 of each calendar year, the Permittee shall submit to the Department a statement updating the information contained in the Permittee's initial registration statement. This update shall be on forms furnished by the Department. In no case shall submission of an updated statement alter conditions of this Permit. [N.J.A.C. 7:26- 2.8(b)]

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23. The Permittee shall notify the Department in writing within 30 days of any change in the information set forth in the Permittee's current registration statement. [N.J.A.C. 7:26- 2.8(c)]
24. Failure of the Permittee to submit an updated registration statement and to submit all applicable fees, required by N.J.A.C. 7:26-4, on or before July 1 of each calendar year shall be sufficient cause for the Department to revoke this Permit or take such other enforcement action as is appropriate. [N.J.A.C. 7:26- 2.8(d)]
25. The Permittee shall maintain a daily record of wastes received. The record shall include the information specified at N.J.A.C. 7:26-2.13(a). [N.J.A.C. 7:26- 2.13(a)]
26. The daily record of waste received shall be maintained, shall be kept, and shall be available for inspection in accordance with N.J.A.C. 7:26-2.13(b). [N.J.A.C. 7:26-2.13(b)]
27. The Permittee shall verify, retain, and make available for inspection a Solid Waste Origin and Disposal Form for each load of solid waste received in accordance with N.J.A.C. 7:26-2.13(c). [N.J.A.C. 7:26- 2.13(c)4]
28. The Permittee shall submit monthly summaries of wastes received to the Division of Solid and Hazardous Waste, Bureau of Planning and Licensing, and the solid waste coordinator for the district where the facility is located, on forms provided by the Department (or duplication of same), no later than 20 days after the last day of each month. The monthly summaries shall include the information specified at N.J.A.C. 7:26-2.13(e). [N.J.A.C. 7:26- 2.13(e)]
29. Upon request by the Department, the Permittee shall submit, in such form as the Department may deem appropriate, information concerning the sources of wastes received and the transportation or disposal patterns associated with such wastes. [N.J.A.C. 7:26- 6.4]
30. The Permittee shall operate the facility in compliance with any applicable district solid waste management plan(s) as well as any amendments to and/or approved administrative actions concerning such plan(s). Should the Permittee fail to comply with any applicable district solid waste management plan(s) as well as any amendment to or approved administrative actions concerning such plan(s), the Permittee shall be deemed in violation of N.J.S.A. 13:1E-1 et seq. and N.J.A.C. 7:26-1 et seq. and shall be subject to applicable penalties provided thereunder, and any other applicable laws or regulations. [N.J.A.C. 7:26- 6.12(b)]
31. The Permittee and/or facility operator shall report to the Department and the Attorney General within 30 days any changes or additions in the information required to be included in the disclosure statement, as specified at N.J.A.C. 7:26-16.6. [N.J.A.C. 7:26-16.6(b)]
32. The Permittee and/or facility operator shall report any other changes in the information contained in the Permittee's disclosure statement currently on file with the Department and the Attorney General in an annual update to be filed with the Department of Law and Public Safety, Division of Law, at the time of the Permittee's annual renewal of its registration with the Division of Law, as specified at N.J.A.C. 7:26-16.6. A copy of this annual update shall also be provided to the Division of Solid and Hazardous Waste. [N.J.A.C. 7:26-16.6(c)]
33. The issuance of this Permit shall not exempt the Permittee from obtaining all other permits or approvals required by law or regulations. [N.J.A.C. 7:26- 2.8(h)]

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34. The Permittee shall inspect each incoming waste load in accordance with the Waste Inspection Plan included as part of the approved final Operations and Maintenance (O&M) Manual, or in accordance with any other approved facility operating plan as appropriate. Such inspections shall be performed to identify the incidence of designated recyclable materials that may be mandated to be source separated by the district recycling plan applicable to the point of origin of the waste load. The Permittee shall consult with each county recycling coordinator for the facility's service area on a quarterly basis to review those recyclable materials that are designated by each county to be source separated pursuant to N.J.S.A. 13:1E-99.13(b)2. The Waste Inspection Plan or other approved facility operating plan as appropriate, shall be updated accordingly. Should any designated recyclable materials be detected in a delivered waste load, the appropriate county recycling coordinator shall be notified in writing. The Permittee shall maintain a copy of each such notification at the facility. Whenever possible, the generator who failed to source separate the recyclable materials shall also be identified and reported to the county recycling coordinator. [N.J.A.C. 7:26- 2.4(g)12]
35. Upon notification from the Department that a State of Emergency, which may impact the operations of the facility, has been declared by the Governor pursuant to the New Jersey Disaster Control Act at N.J.S.A. App. A:9-30 et seq., the Permittee shall provide to the Division of Solid and Hazardous Waste a daily report on the operational status of the facility and the quantity of wastes received during the previous operating day or any other relevant information requested pursuant to N.J.S.A. App. A:9-36. The status report shall be submitted electronically, or as otherwise directed by the Department, to solidwasteemergencies@dep.nj.gov on forms, or in the format, provided by the Department, and in compliance with the time frames established by the Department after the State of Emergency declaration. The status reports shall be submitted daily until the Permittee is informed by the Department that the reports are no longer required for that State of Emergency. [N.J.A.C. 7:26- 2.11(b)9]

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36. The Permittee shall comply with the additional operational, maintenance, inspection, and monitoring requirements for all sanitary landfills as provided at N.J.A.C. 7:26-2A.8. [N.J.A.C. 7:26- 2A.8]
37. The Permittee is authorized to accept the following waste types: ID10 - Municipal (household, commercial, and institutional) waste, ID13 - Bulky waste, ID13C - Construction and demolition waste, ID23 - Vegetative waste, ID25 - Animal and food processing wastes, ID27 - Dry industrial waste, ID27A - Waste material consisting of asbestos or asbestos-containing waste, and ID27I - Waste material consisting of incinerator ash or ash-containing waste. [N.J.A.C. 7:26- 2.11(b)9]
38. The Permittee is not authorized to accept any other type or description of solid waste as defined at N.J.A.C. 7:26-2.13(g) and (h), regulated medical waste as defined at N.J.A.C. 7:26-3A.6(a), leaves or designated recyclables as defined at N.J.A.C. 7:26A, or hazardous waste as defined at N.J.A.C. 7:26G. [N.J.A.C. 7:26- 2.11(b)9]
39. The Permittee shall operate the facility, and construct or install associated appurtenances thereto, in accordance with the provisions of N.J.A.C. 7:26-1 et seq., the conditions of this Permit, and the Permit Application documents which are referenced as part of this Permit. [N.J.A.C. 7:26- 2.11(b)9]

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40. In case of conflict, the provisions of N.J.A.C. 7:26-1 et seq. shall have precedence over the conditions of this Permit, and the conditions of this Permit shall have precedence over the approved Permit Application documents listed above. In addition, the most recent revisions and supplemental information approved by the Department shall prevail over prior submittals and designs. [N.J.A.C. 7:26- 2.11(b)]
41. One complete set of the Permit Application documents as referenced herein, this Solid Waste Facility (SWF) Permit, the approved O&M Manual, and all records, reports, and plans as may be required pursuant to this Permit shall be kept on site and shall be available for inspection by authorized representatives of the Department. [N.J.A.C. 7:26- 2.11(b)12]
42. The areal extent of Cells 1 through 9 shall be approximately 107.4 acres. Final elevation, including the final cover, shall not exceed elevation 227.5 feet above mean sea level (as indicated on drawing C11, dated April 7, 2014) for the entire landfill. All sideslopes shall be constructed as specified on the referenced engineering plans. [N.J.A.C. 7:26- 1]
43. Access to the sanitary landfill for solid waste disposal shall only be permitted during the following hours: Monday through Friday from 7:00 a.m. to 7:00 p.m. and Saturdays from 8:00 a.m. to 12:00 p.m. [N.J.A.C. 7:26- 2A.8(b)24]
44. Cells 7, 8, and 9 base liner profile, in descending order, shall be as follows: 18 inches of primary leachate collection sand, single-sided drainage geocomposite (200-mil HDPE geonet and one (1) layer of eight (8)-oz. non-woven geotextile filter layer), 60-mil smooth HDPE primary geomembrane liner, primary geosynthetic clay liner (GCL) with hydraulic conductivity of less than or equal to 5×10^{-9} cm/sec, single-sided drainage geocomposite (200-mil HDPE geonet and one (one) layer of eight (8)-oz. non-woven geotextile filter layer), 60-mil smooth HDPE secondary geomembrane liner, secondary GCL with hydraulic conductivity of less than or equal to 5×10^{-9} cm/sec, and prepared subgrade. Cells 7, 8, and 9 side slope liner profile, in descending order, shall be as follows: 18 inches of primary leachate collection sand, double-sided drainage geocomposite, 60-mil textured HDPE primary geomembrane liner, primary GCL with hydraulic conductivity of less than or equal to 5×10^{-9} cm/sec, double-sided drainage geocomposite, 60-mil textured HDPE secondary geomembrane liner, secondary GCL with hydraulic conductivity of less than or equal to 5×10^{-9} cm/sec, and prepared subgrade. [N.J.A.C. 7:26- 1]
45. The final cover for the landfill shall consist of the following capping system in descending order: six (6) inches of top soil of quality to sustain adequate vegetative cover; 18 inches of select fill; a 12-inch sand drainage layer with a hydraulic conductivity greater than or equal to 1×10^{-3} cm/sec; a double-sided drainage geocomposite (eight (8)-oz. non-woven geotextile filter layer, 200-mil HDPE geonet, eight (8)-oz. non-woven geotextile filter layer) with transmissivity greater than or equal to 1 cm/sec; a 60-mil LLDPE textured geomembrane cap; and 12 inches of intermediate cover. A geosynthetic cover may be used on a temporary basis in place of the final cover. At a minimum, the geosynthetic cover shall consist of a 16-mil woven (or scrim) reinforced polyethylene membrane and shall be anchored in place as shown on the approved engineering designs. This temporary final cover shall be properly maintained until placement of the final cover. The Permittee shall notify the Division in writing as areas of the landfill are completed with the temporary final cover. [N.J.A.C. 7:26- 1]

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46. A quality assurance inspector, independent of the quality control inspector, approved by the Department and reporting directly to the Department, shall be at the site at all times during the initial construction phase of the containment and leachate collection systems to observe and perform all required systems audits of the quality control inspections to insure proper implementation of the design and Permit requirements. For the purposes of this section, quality assurance means the periodic testing and observations performed by the owner and/or operator of a landfill as a check on the construction contractor's quality control activities. [N.J.A.C. 7:26- 2A.7(a)7]
47. A meeting shall be held between the quality assurance inspector(s) and the Department to establish reporting procedures and frequency, in accordance with the construction scheduling. [N.J.A.C. 7:26- 2A.7(a)8]
48. A quality control inspector shall be at the site during all phases of construction to ensure and verify that the approved sanitary landfill design and SWF Permit landfill construction requirements are properly implemented. The quality control inspector shall, at a minimum, be at the site at all times during the construction of the containment and leachate collection systems. For the purposes of this section, quality control means those activities and responsibilities assigned to the construction contractor, manufacturer, installer, or supplier to measure and regulate the characteristics or properties of an item in order to ensure that the applicable landfill construction requirements at N.J.A.C. 7:26-2A.7 and the SWF Permit conditions are met. This includes those actions taken before, during, or after construction to ensure that the materials used and the completed workmanship are in conformance with the construction requirements at N.J.A.C. 7:26-2A.7 and the SWF Permit. [N.J.A.C. 7:26- 2A.7(a)9]
49. The quality control measures and tests required by N.J.A.C. 7:26-2A.7 and described in the Quality Assurance and Quality Control (QA/QC) Plan submitted in accordance with N.J.A.C. 7:26-2A.5(a)7 shall be employed to ensure that the construction requirements are properly implemented and that the design and performance standards are achieved. [N.J.A.C. 7:26- 2A.7(a)10]
50. The scheduled frequency of inspections by the independent quality assurance inspector(s) may be reduced or discontinued if approved by the Department. The reductions or discontinuance shall be based on the results of the initial construction tests and the precision and consistency of the quality control test results. [N.J.A.C. 7:26- 2A.7(a)15]
51. At such time as the use of the independent quality assurance inspector(s) is discontinued, as approved by the Department, the activities performed by the quality assurance inspector(s) shall be carried out by the Permittee's quality control inspector(s) in accordance with the approved QA/QC Plan. [N.J.A.C. 7:26- 2A.7(a)16]
52. The Department may reinstate the independent quality assurance inspection at the site if the results of the construction tests and the precision and consistency of the quality control testing warrant such reinstatement. [N.J.A.C. 7:26-2A.7(a)17]
53. Best available engineering construction practices shall be employed for all phases of the facility construction. [N.J.A.C. 7:26-2A.7(a)18]

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54. Following the completion of new liner construction involving geomembranes pursuant to N.J.A.C. 7:26-2A.7(c)4, but prior to the submittal of the engineer's certification pursuant to N.J.A.C. 7:26-2A.7(a)20-24, an electrical leak location or equivalent test shall be undertaken on the newly constructed primary liner. Results of the test shall be appended in the engineer's final documentation report. The final documentation report shall list any repairs that were undertaken on the liner as a result of the electrical leak location test. [N.J.A.C. 7:26- 2A.7(a)19]
55. A New Jersey-licensed professional civil or geotechnical engineer shall certify, in writing, to the Department that he or she has supervised the inspection of the construction of each major phase of the sanitary landfill's construction. He or she shall further certify that each phase has been prepared and constructed in accordance with the engineering design approved by the Department, prior to operations. The certification shall include a final documentation report that shall summarize the daily quality control of construction activities as required by N.J.A.C. 7:26-2A.7(a)14 and shall include as-built drawings. [N.J.A.C. 7:26- 2A.7(a)20]
56. A New Jersey-licensed professional civil or geotechnical engineer shall certify that the materials utilized in the containment system and leachate collection system are in conformance with and meet the specifications of the approved engineering design. [N.J.A.C. 7:26- 2A.7(a)21]
57. There shall be no deviation made from the approved engineering design specification without the prior written approval of the design engineer and, at a minimum, prior verbal approval by the Department. [N.J.A.C. 7:26-2A.7(a)22]
58. All certifications shall bear the raised seal and signature of the licensed professional engineer, and the date of certification. [N.J.A.C. 7:26- 2A.7(a)23]
59. The certification shall include the following text: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals under my supervision, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I understand that, in addition to criminal penalties, I may be liable for a civil administrative penalty pursuant to N.J.A.C. 7:26-5 and that submitting false information may be grounds for denial, revocation or termination of any solid waste facility permit for which I may be seeking approval or now hold. [N.J.A.C. 7:26-2A.7(a)24]
60. The Permittee shall close and maintain the landfill in accordance with N.J.A.C. 7:26-2A.9 and the approved Closure and Post-Closure Plan as referenced herein. [N.J.A.C. 7:26- 2A.9]
61. The Permittee shall notify the Department in writing of its intention to suspend or terminate operations at the landfill. The Department shall receive notice at least ten (10) days prior to the date of suspension of operations, which notice shall include the duration of the suspension, and shall receive notice at least 180 days prior to the date of termination of operations. [N.J.A.C. 7:26-2A.9(c)2]
62. Final cover constructed in accordance with N.J.A.C. 7:26-2A.7(i) shall be applied to all surfaces where final approved elevation has been reached and to all surfaces when the landfill operation is terminated. [N.J.A.C. 7:26- 2A.8(b)14]

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63. Upon closure of the sanitary landfill, a detailed description of the landfill shall be recorded, along with the deed, with the appropriate County recording office. The description shall include the general types, locations, and depths of wastes on the site, the depth and type of cover material, the dates the landfill was in use, and all such other information as may be of interest to potential landowners, and shall remain in the record in perpetuity. The deed shall also provide notice that any future disruption of the closed landfill shall require prior approval from the Department in accordance with N.J.A.C. 7:26-2A.8(j). A copy of the recorded deed shall be submitted to the Division of Solid and Hazardous Waste. [N.J.A.C. 7:26- 2A.9(c)8]
64. The Permittee may apply for Departmental approval to amend the Closure and Post-Closure Plan at any time during the sanitary landfill's operation, closure, or post-closure-care period. [N.J.A.C. 7:26- 2A.9(d)6]
65. The Department may require the amendment of an engineering design and a Closure and Post-Closure Plan at any time it is deemed necessary during the sanitary landfill's operation, closure, or post-closure-care period. [N.J.A.C. 7:26- 2A.9(d)8]
66. A copy of the approved Closure and Post-Closure Plan shall be kept on file at the facility during the course of the operation of the sanitary landfill and, after closure, shall be filed with the municipal clerk. [N.J.A.C. 7:26- 2A.9(d)10]
67. Within six (6) months of closure of the sanitary landfill, the Permittee shall obtain and submit to the Department an as-built certification by a New Jersey-licensed professional engineer, certifying that each provision of the Closure and Post-Closure Plan has been implemented as designed and approved. [N.J.A.C. 7:26- 2A.9(c)6]
68. A New Jersey-licensed professional engineer shall certify, in writing, to the Department that he or she has supervised the inspection of the construction of each major phase of the sanitary landfill's closure. He or she shall further certify that each phase has been prepared and constructed in accordance with the closure design approved by the Department. The certification shall include as-built drawings. [N.J.A.C. 7:26- 2A.9(c)6i]
69. A New Jersey-licensed professional engineer shall certify that the materials utilized in the closure of the sanitary landfill are in conformance with and meet the specifications of the approved closure design. [N.J.A.C. 7:26- 2A.9(c)6ii]
70. There shall be no deviation from the approved closure design without the prior written approval of the design engineer and, at a minimum, prior verbal approval by the Department. [N.J.A.C. 7:26- 2A.9(c)6iii]
71. All certifications shall bear the raised seal of the New Jersey-licensed professional engineer, his or her signature, and the date of certification. [N.J.A.C. 7:26- 2A.9(c)7]
72. The closure certification shall include the following statement: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals under my supervision, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I understand that, in addition to criminal penalties, I may be liable for civil administrative penalty pursuant to N.J.A.C. 7:26-5 and that submitting false information may be grounds for denial, revocation or termination of any solid waste facility permit for which I may be seeking approval or now hold. [N.J.A.C. 7:26- 2A.9(c)7]

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73. The flow of leachate in the primary and secondary leachate collection and detection systems shall be recorded on a daily basis. The results shall be compiled on a quarterly basis and submitted to the Division of Solid and Hazardous Waste. [N.J.A.C. 7:26- 2A.8(h)4, 5]
74. A methane gas survey shall be performed on a quarterly basis and the results shall be submitted to the Division of Solid and Hazardous Waste. [N.J.A.C. 7:26- 2A.8(h)9ii]
75. The daily precipitation data from the meteorological monitoring system shall be compiled on a quarterly basis and submitted to the Division of Solid and Hazardous Waste. [N.J.A.C. 7:26- 2A.8(h)10]
76. The above described quarterly monitoring data shall be submitted to the Division during the months of April, July, October, and January. [N.J.A.C. 7:26- 2A.8]
77. The annual topographical survey of the sanitary landfill meeting the requirements of N.J.A.C. 7:26-2A.8(i) shall be submitted to the Division by May 1 of each year. [N.J.A.C. 7:26- 2A.8(i)]
78. Liquid sludge generated from the landfill leachate treatment facility may be disposed of at the working face of the landfill, in accordance with the approved O&M Manual. The liquid sludge shall be considered in volume calculations when determining the applicable amount or rate of leachate that may be recycled within the bio-reactor portion of the landfill, in accordance with the approved O&M Manual for the landfill. [N.J.A.C. 7:26- 1]
79. Malodorous emissions shall be controlled by use of daily cover at the landfill. Malodorous solid waste shall be covered immediately after off loading with a minimum of six (6) inches of earthen cover or an approved alternate cover material. [N.J.A.C. 7:26- 2A.8(b)30]
80. At the end of each operating day, daily cover consisting of at least six (6) inches of soil, or alternative cover material as approved by the Department, shall be placed on areas of the solid waste workface that will be exposed for less than 24 hours. Alternative daily cover may include three (3) inches of mixed glass cullet topped with three (3) inches of soil, ID27 soil material, or flame-resistant, reinforced polyethylene tarps in accordance with the approved O&M Manual.

Intermediate cover, which shall consist of at least 12 inches of soil, shall be applied to all waste surfaces exposed for any period exceeding 24 hours. Intermediate cover may include auto shredder residue mixed with soil.

Daily and intermediate cover shall be of the types that can be workable under all weather conditions. A sufficient quantity of cover material shall be available at all times to ensure proper operation of the landfill. [N.J.A.C. 7:26- 2A.8]

81. Tire chips generated by the processing of tires in the Permittee's tire shredder, may be used in the landfill in the following applications: as drainage medium at the toe of slopes on active landfill cells, as fill over internal sumps of cells being developed for landfill operations, and as pipe bedding material in leachate recirculation and lateral gas collection trenches. [N.J.A.C. 7:26- 1]
82. Auto shredder residue may be used as a soft layer in new cell construction. [N.J.A.C. 7:26- 1]
83. All solid waste collection/haulage vehicles shall enter the facility via the paved access road from Jesse Bridge Road (County Road 636), and shall proceed to the scale house. All solid waste collection/haulage vehicles are prohibited from traveling on "Construction Entrance Road" situated on Lot 19, near Old Kenyon Road. [N.J.A.C. 7:26- 1]

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84. The Permittee shall update the Closure and Post-Closure Financial Plan (Financial Plan) and submit the updated Financial Plan to the Division of Solid & Hazardous Waste for review and approval on a biennial basis; i.e., the Financial Plan update is due to be submitted on or before the second anniversary of the approval of the previous Financial Plan. [N.J.A.C. 7:26- 2A.9(f)6]
85. Concrete, brick, and block may be used in the construction of haul roads on the landfill. [N.J.A.C. 7:26- 1]
86. Changes in Subgrade Compaction Requirements:
- a. Lift Height - an increase in lift height from six (6) inches to nine (9) inches is acceptable provided that the lift is compacted with a vibratory compactor with a dynamic force of at least 300 lb per inch of drum length. Prior to the start of construction, the Permittee shall provide documentation that said compactor will adequately compact a nine (9)-inch lift of soil to 95% of modified and standard Proctor densities.
 - b. Moisture Density Tests - the reduction in testing from 50 foot on center to 100 foot on center has been partially approved. The testing shall remain at 50-foot centers for the initial four (4) lifts of soil. At that time, the Permittee must evaluate what affect the increase in lift height, change in testing method, and inclusion of additional soil classifications has had on the completed construction. This evaluation must be submitted to the Bureau of Solid Waste Permitting (Bureau) for review. If there are no detrimental effects, the Bureau will approve of the reduction in testing for the remaining lifts. The testing of the final lift of the subgrade will remain at a frequency of once every 50 feet.
 - c. Test Method - a change in the method of density testing from ASTM D-1557 (Modified Proctor) to ASTM D 698 (Standard Proctor) is approved.
 - d. Testing Frequency - the reduction in testing frequency of the soil from every 5,000 cubic yards to every 10,000 cubic yards of soil placed is acceptable.
 - e. Acceptable Soils - the increase in the acceptable soil types to include those with the dual designation of SP-SC and SW-SC is approved for all but the final lift of soil. The final lift of soil shall be constructed of SP soils only. [N.J.A.C. 7:26- 2A]