State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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Governor

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Lt. Governor

MAIL CODE 401-02C
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CATHERINE R. MCCABE
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 permit is hereby issued to:

CAMDEN COUNTY ENERGY RECOVERY ASSOCIATES, L.P.

Facility Type:	Resource Recovery Facility – Mass Burn Incinerator
Block & Lot Nos.:	Block 641, Lots 3 and 15
Municipality:	City of Camden
County:	Camden
Facility ID No.:	133512
Permit No.:	RRF190001

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 permittee to fill or alter or allow to be filled or altered in any way, lands that are deemed to be riparian, wetlands, floodway or flood hazard area, or that are within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979 or the Highlands Water Protection and Planning Act of 2004, 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.

May 2, 2019
Issuance Date

/s/
Anthony Fontana, Chief
Bureau of Solid Waste Permitting

June 18, 2019
Modification Date

May 2, 2024
Expiration Date

Scope of Permit

This Permit, along with the referenced application documents herein specified, shall constitute the sole Solid Waste Facility Permit for the operation of a thermal destruction facility by Camden County Energy Recovery Associates, L.P. located in the City of Camden, Camden County, New Jersey. Any registration, approval or permit previously issued to Camden County Energy Recovery Associates, L.P. by the Division of Solid and Hazardous Waste or its predecessor agencies, is hereby superseded.

Facility Description

The Camden County Resource Recovery Facility is a large-scale waterwall incinerator that produces high temperature, high pressure ("superheated") steam from the incineration of solid waste. The steam is utilized to generate electricity at the facility for in-plant use and for sale to GPU for distribution. The facility is located at 600 Morgan Boulevard in the City of Camden, New Jersey. The facility site is bordered by Interstate 676 (I-676) on the east, Newton Creek on the south and the southern part of the west property line, an active Conrail right-of-way on the balance of the west property line, and Morgan Boulevard on the north.

The facility is permitted to accept and process the following waste types: ID 10 - Municipal Waste, ID 13/13C - Bulky Waste (except for major motor vehicle parts, noncombustible construction material, and noncombustible demolition debris), ID 23 - Vegetative Waste, ID 25 - Animal and Food Processing Waste, and ID 27 - Dry Industrial Waste (except for asbestos and asbestos-containing wastes, dry non-hazardous pesticides, non-hazardous oil and chemical spill clean-up waste, dry non-hazardous chemical waste, and hazardous waste as defined in N.J.A.C. 7:26G-1 et seq. and 40 CFR 261 which is generated by small quantity generators as defined in N.J.A.C. 7:26G-1 et seq.). The facility is permitted to process up to 451,140 tons of solid waste per year. The rate at which the facility can process waste is further limited to a maximum steam production rate of 110 percent of the maximum demonstrated municipal waste combustor unit load (as defined in 40 CFR 60.51b.) or at a rate not to exceed 421,600 pounds per boiler (at a temperature of approximately 750 degrees F and a pressure of approximately 660 psig) over any discrete block four (4) hour period of time (i.e. 12-4 AM, 4-8 AM, 8 AM-12 PM, etc.), whichever is lowest.

The facility operates twenty-four (24) hours per day, seven (7) days per week. Waste deliveries are made to the facility Monday through Friday, from 7:00 A.M. to 5:00 P.M. and on Saturday between 7:00 A.M. to 12:00 Noon. Approximately 5,250 tons of waste can be stored within the refuse storage bunker in order to handle periods of peak waste deliveries.

The facility is equipped with three (3) identically sized independent processing units for the incineration of waste, the generation of steam, and the handling of process by-products. The facility generates high temperature, high pressure (superheated) steam. The steam is passed through a turbine, which drives a generator that produces electricity. Steam is condensed and returned to the boiler after it is passed through water conditioners, where necessary make-up water is added. The cooling water is passed inside the heat transfer tubes, to greatly reduce the process steam temperature and pressure, which condenses the steam to liquid. The cooling water is then circulated over a cooling tower to reject the waste heat. Each of the turbine generators is rated at 17.5 MW for a facility total of 35 MW.

Each one of the three (3) identical steam-generating incinerators contains the following combustion equipment: a charging hopper (which is loaded from the refuse pit by an overhead crane), a feed chute and charging throat, ram feeders (to push the waste onto a grate), and a reciprocating inclined grate which carries the burning waste through the incinerator. Also included as part of the combustion train are forced draft fans, steam-heated air pre-heaters, the over-fire air system, auxiliary burners, flues, and ducts. Each incinerator also contains the following steam generation equipment: the waterwalls (water-filled tubes which line the large combustion chamber), the super-heater, the attemperator, the boiler generating bank, steam drums, a natural (convection) circulation system, and economizers. Auxiliary burners are also utilized to bring each boiler up to operating temperature during unit start-up, and to maintain the combustion chamber temperatures (as necessary) to comply with the conditions of the Air Pollution Control Operating Permit.

The air pollution control system consists of a carbon injection system for the control of mercury emissions, dry scrubbers for the removal of acid gases, electrostatic precipitators (ESP) for the removal of particulate matter, and a Selective Non-Catalytic Reduction System (SNCRS) to control NOx emissions. The dry scrubber first removes particulate matter from the flue gas as it passes through a cyclone separator. The flue gas then enters a reaction zone into which slaked lime is fed to cause chemical reactions that remove the "acid gases" (sulfur dioxide, hydrogen chloride, and hydrogen fluoride). The electrostatic precipitator removes particulate matter by first inducing a high-potential electrical charge on the particles as they pass through an electrical field, and next capturing them on oppositely charged collector plates. The fly ash removed by the scrubber and the ESP falls into collection hoppers at the bottom of the equipment. Flue gas is drawn through the air pollution control treatment system by an induced draft fan, and is discharged into a 365 foot high stack. The stack contains separate flues for each of the three incineration lines.

A common lime system supplies this chemical to each dry scrubber. The raw material delivered to the system's storage silos is bulk pebble lime, which is principally calcium oxide (also known as "quick lime"). The calcium oxide is reacted with water to produce a slurry of calcium hydroxide ("slaked lime"). The slurry is screened of grit and then pumped to each dry scrubber. Bottom ash from each of the three (3) boilers passes into water-filled extractors. The quenched bottom ash from the extractors is placed on a vibrating conveyor that passes through a “grizzly” screen to remove large pieces of material (over 6-inches in size), including metal. From there the bottom ash is conveyed to a vibratory feeder that feeds to a permanent drum magnetic separator (48-inch x 66-inch) that removes ferrous metals from the bottom ash residue for sale to the secondary market. Recovered metal is stored in the ferrous metal storage area of the Ash Storage and Load-out Building, and/or in a designated area within the Tipping Building prior to being transported to a recycling facility. After ferrous metal recovery, the bottom ash is transferred to a 36-inch wide belt conveyor that feeds a 57-inch wide vibratory feeder, which introduces the bottom ash to a 1.5-meter-wide Eddy Current Separator (ECS) where non-ferrous metal is recovered from the bottom ash for sale to the secondary market. The recovered non-ferrous metal is conveyed to a roll-off that is staged in a covered load-out area adjacent to the existing Ash Storage and Load-out Building.

Fly ash, removed from the flue gas stream by the air pollution control equipment, is also collected and conveyed in an enclosed manner to surge bins located in the fly ash conditioning building. The fly ash is directed to a mixer by means of a rotary feeder. In the mixer, the fly ash is mixed with water and lime slurry injected to the mixer through a series of spray headers. The conditioned fly ash has reduced metals solubility. From the mixer, the conditioned fly ash is conveyed by a 36-inch wide belt to a vibratory feeder. From the vibratory feeder, the fly ash and the bottom ash are combined prior to dropping into a separate bunker in the Ash Storage and Load-out Building. There the combined ash residue is stored for later transfer to ash removal vehicles. The facility is designed to handle a minimum of 420 tons of ash residue generated each day, and the storage design includes up to three days of storage capacity at this rate of ash residue generation.

06/18/19: This permit is modified to include waste Type 25 (animal and food processing waste) as a permitted waste type to be accepted and processed at the facility. Permit requirement 73 has been updated to reflect the inclusion of waste Type 25.

Approved Application, Drawings and Associated Documents

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

1. "Service Agreement between Camden County Energy Recovery Corp. and Pollution Control Financing Authority of Camden County," dated December 12, 1985.

2. "Standard Application Form (CP#l), Construction and Discharge Permits" with "Solid Waste Supplement to Standard Application Form CP#l," dated May 8, 1986, prepared by Camden County Energy Recovery Associates (included in item 18).

3. "Solid Waste Supplement to Standard Application Form CP#l – Revision 1" dated May 9, 1986, prepared by Camden County Energy Recovery Associates (included in item 18).

4. "Volume I, Final Environmental and Health Impact Statement" (EHIS), April 1986; prepared by James C. Anderson Associates, Foster Wheeler USA Corporation, and Environmental Research & Technology, Inc. (Note: Figure 5.1 is superseded by the drawing in Section IV of item 18).

5. "Volume I, Final Environmental and Health Impact Statement, Appendices," April 1986, prepared by James C. Anderson Associates, Foster Wheeler USA Corporation, and Environmental Research & Technology, Inc.

6. "Final Environmental & Health Impact Statement, Volume II, Engineering Design Report" (EDR), April 1986, prepared by Foster Wheeler USA Corporation.

7. The following full-size drawing which accompanied the EDR, item f, and was prepared by James C. Anderson Associates under the supervision of Mark P. Neisser (New Jersey Professional Engineer's License No. 29258):

- Figure 2.2, Rev. none, dated July, 1985, Vicinity Map

8. The following drawings which accompanied the EDR, item f, and were prepared by Foster Wheeler USA Corporation, signed, sealed, and dated by Anatolij Kulyk (New Jersey Professional Engineer's License No. 15229):

    - 3536-1-50-301, Rev. none, undated: Overall Process Flow Schematic

    - 35877-1-51-102, Rev. A, dated March 4, 1986: Boiler Island Plot Plan

    - 35877-1-51-103, Rev. A, dated February 28, 1986: Overall Site Drawing

    - 35877-2-51-105, Rev. none, dated October 24, 1985: Tipping Floor Layout

    - 35877-1-51-106, Rev., A, dated March 31, 1986: Traffic-and Truck Queuing

9. "Addendum A to the Solid Waste Permit Application," July 1986, prepared by Foster Wheeler USA Corporation, consisting of additions and changes to the EHIS and EDR.

10. "Addendum B to the Solid Waste Permit Application," July 1986, prepared by James C. Anderson Associates, consisting of winter-period MSW characterization data and corrections to previously submitted summer period data.

11. "Addendum C to the Solid Waste Permit Application, Comment/Response Document," October 1986, prepared by Foster Wheeler USA Corporation.

12. Update to "Addendum C to the Solid Waste Permit Application, Comment/Response Document," December 1986, prepared by Foster Wheeler USA Corporation.

13. Update to "Addendum C to the Solid Waste Permit Application, Comment/Response Document," January 1987, prepared by Foster Wheeler USA Corporation (Note: By this submission, Addendum C was divided into Volume I and Volume II.).

14. The following full-size drawing submitted with the January 1987 update to Addendum C, item 1, and prepared by James C. Anderson Associates under the supervision of Mark P. Neisser (New Jersey Professional Engineer's License No. 29258):

    - Figure 3.1, Rev. none, dated August 5, 1985: Pre-Quaternary Geology and Major Water Supply Wells

15. The following drawing which accompanied the January 1987 update to Addendum C, item 3, and was prepared by Foster Wheeler USA Corporation:

    - 3536-1-41-112, Rev. A, dated January 16, 1987: Maximum Predicted Property Line Noise Levels (superseded by Rev. B in Section IV of item 18)

16. The following full-size drawing which accompanied the "Waterfront Development Permit" application and was Submitted to the Division of Solid Waste Management for information, prepared by James, C. Anderson Associates, sealed, signed and dated by Earle B. Hallowell, Jr. (New Jersey Professional Land Surveyor's License No. 15556) (included in Section IV of item 18):

    - 3536-1-41-111, Rev. A, dated August 15, 1986: Survey of Premises

17. The following drawings which accompanied the applications for the "Waterfront Development Permit," "Discharge to Ground Water Permit," "Discharge to Surface Water Permit," "Water Allocation Permit," "Stream Encroachment Permit," the "Section 404 Permit," and the "Soil Erosion and Sediment Control Plan Approval," and which were submitted to the Division of Solid Waste for information purposes, and were prepared by Foster Wheeler USA Corporation (included in Section IV of item 18 or in Section III of item 19 as noted following each title):

    - 3536-1-41-100, Rev. F, dated February 20, 1987: Site Grading & Storm Water Drainage Plan (item 19)

    - 3536-1-41-101, Rev. C, dated February 20, 1987: Erosion & Sediment Control Plan (item 19)

    - 3536-1-41-102, Rev. D, dated November 26, 1986: Stormwater Drainage, Miscellaneous Sections & Details (item 18)

    - 3536-1-41-104, Rev. C, dated December 1, 1986: 100 Year Flood Plain (item 18)

    - 3536-1-41-106, Rev. B, dated December 1, 1986: Stormwater Runoff Area at Inlet of Culverts (item 18)

    - 3536-1-41-108, Rev. B, dated February 20, 1987: Stormwater Drainage, Plan, Sections & Details (item 19)

    - 3536-1-41-109, Rev. A, dated December 8, 1986: Tidal Wetlands (item 18)

    - 3536-1-41-110, Rev. B, dated January 30, 1987: Non-Tidal Wetlands (item 18)

    - 3536-1-41-200, Rev. E, dated November 26, 1986: Monitoring Well Locations (item 19)

    - 3536-1-58-101, Rev. C, dated January 16, 1987: Sewer Line (item 18)

18. "Application Documents for Certificate of Approved Registration and Engineering Design Approval," April 1986, prepared by Foster Wheeler USA Corporation. Contents include the following documents, not otherwise furnished separately:

    - Application forms, items 2 and 3 above

- Correspondence which constitutes a further update of Addendum C, items 11, 12, and 13 above

- Drawings as noted in items 4, 8, 15, 16, and 17 above.

- Drawings not listed in the above items as follows:

  - 35877-1-47-2, Rev. none, dated September 30, 1985: Landscape Plan

  - Unnumbered, Rev. none, dated March 9, 1987: Morgan Boulevard and Interstate Rt. 676, Block 860 (old) 641 (new), Ward 8-3, Lots 3 & 15, City of Camden, County of Camden, NJ (also the written Legal Descriptions which follow the drawing)

19. "Application Documents for the Permit to Construct, Install or Alter Control Apparatus or Equipment, Certificate to Operate Control Apparatus or Equipment, and the Prevention of Significant Deterioration Permit," and the "NJPDES - Discharge to Surface Water/Discharge to Ground Water Permit." Contents include drawings as noted in item 17 above.

20. The following list of drawings, as well as associated documents (Volumes 1 through 11), submitted to the Bureau of Resource Recovery under cover letter dated August 21, 1990, and later amended on February 13, 1991 and as elsewhere noted herein. The list is generalized and includes the drawing numbers only, as follows:

    - Engineering Flow Diagrams:

      - Drawing 3531-1-50-1
      - Drawing series 3531-1-50-101 through 118
      - Drawing series 3531-1-50-201 through 209

    - Electrical Power:

      - Drawing series 3531-1-73-6 through 13, and 20

    - Site Preparation:

      - Drawing series 3531-1-41-401 through 412, and 416

21. The following drawings submitted with the "Certification of Construction," dated March 1, 1991, and signed and sealed by Anatolij Kulyk, NJ Professional Engineer License No. 15229. These drawings are intended to supersede or replace certain drawings listed above.

    a. Note: The following drawing series 3531-1-58-1 through 3531-1-58-26 replaces drawing 3536-1-58-101 and are generally titled, Underground Installations:

       - 3531-1-58-1, Rev. 4, dated September 21, 1989, "Underground Installations, Ash Stg. Loadout - West"

- 3531-1-58-2, Rev. 6, dated April 30, 1990, "Precipitator Area"
- 3531-1-58-3, Rev. 6, dated April 30, 1990, "Shop-Office Areas"
- 3531-1-58-4, Rev. 6, dated December 8, 1989, "Ash Storage and Loadout - East"
- 3531-1-58-5, Rev. 4, dated December 8, 1989, "Boiler Building"
- 3531-1-58-6, Rev. 6, dated March 20, 1990, "Boiler and T/G Buildings"
- 3531-1-58-7, Rev. 4, dated October 2, 1989, ". . . Tipping Floor - South"
- 3531-1-58-8, Rev. 4, dated October 2, 1989, ". . . Tipping Floor - Central"
- 3531-1-58-9, Rev. 4, dated October 2, 1989, ". . . Tipping Floor - North"
- 3531-1-58-10, Rev. 6, dated January 31, 1990, ". . . Cooling Tower - South"
- 3531-1-58-11, Rev. 4, dated October 2, 1989, ". . . Cooling Tower - North"
- 3531-1-58-12, Rev. 5, dated March 20, 1990, ". . . Equalization Basin"
- 3531-1-58-13, Rev. 2, dated June 30, 1989, ". . . West of Equalization Basin"
- 3531-1-58-14, Rev. 2, dated June 30, 1989, ". . . East of Equalization Basin"
- 3531-1-58-15, Rev. 3, dated' August 28, 1989, ". . . South of Cooling Tower Basin"
- 3531-1-58-16, Rev. 5, dated December 8, 1989, ". . . North of Cooling Tower Basin"
- 3531-1-58-17, Rev. 5, dated December 8. 1989, ". . . North of Admin. and Shop Bldg."
- 3531-1-58-18, Rev. 5, dated December 8, 1989, ". . . North of T/G Building"
- 3531-1-58-19, Rev. 3, dated August 28, 1989, "North of TCP Bldg."
- 3531-1-58-20, Rev. 5, dated December 8, 1989, ". . . Truck Weight Scale Area"
- 3531-1-58-21, Rev. 5, dated December 8, 1989, ". . . Culvert Area"
- 3531-1-58-22, Rev. 5, dated December 8, 1989, ". . . Access North Road (1 of 2)"
- 3531-1-58-23, Rev. 3, dated December 8, 1989, ". . . Access North Road (2 of 2)"
- 3531-1-58-24, Rev. 4, dated December 8, 1989, ". . . Utility Tie-In at Property Line"

- 3531-1-58-25, Rev. 6, dated December 8, 1989, ". . . Details - Sheet 1 of 2"

- 3531-1-58-26, Rev. 7, dated March 20, 1990, ". . . Details - Sheet 2 of 2"

b. 3531-1-50-303, Rev. F, dated January 18, 1990, "Overall System Schematic" (this drawing replaces drawing 3536-1-50-301)

c. 3531-50-301, Rev. D, dated January 18, 1990, "Process Flow Diagram, Boiler Feed Water/Steam Condensate, Heat and Material Balance" (this drawing replaces drawing 3536-1-50-302)

d. The following drawing series replaces drawings 35877-2-51-101, 102, 105; the series is generally titled "Equipment Arrangement":

- 3531-51-2, Rev. 5, dated December 8, 1989, "Turbine Generator, Admin., Maintenance Bldgs"

- 3531-1-51-3, Rev. 4, dated September 8, 1989, "Boiler Island West of TPC Building"

- 3531-1-51-8, Rev. 5, dated December 8, 1989, "Cooling Tower Area"

- 3531-1-51-9, Rev. 5, dated November 20, 1989, "Boiler Island - Auxiliary Plans - Oper. FL. EL. 123' - 0" to Below Charging FL (EL. 159' –4")"

e. 3531-1-51-100, Rev. 2, dated December 8, 1989, "Key Plot Plan" (this drawing replaces drawing 35877-1-51-103)

f. The following drawing series replaces drawings 3536-141-100, 101. All are titled "Site Preparation - Site Plan" 1 of 4, etc.:

- 3531-1-41-401, Rev. 3, dated September 21, 1990, (drawing 1 of 4)

- 3531-1-41-402, Rev. 6, dated November 15, 1990, (drawing 2 of 4)

- 3531-1-41-403, Rev. 6, dated November 15, 1990, (drawing 3 of 4)

- 3531-1-41-404, Rev. 1, dated May 23, 1989, (drawing 4 of 4)

g. 3511-1-41-405, Rev. 1, dated May 19, 1989, "Site Preparation - Miscellaneous Sections and Details (1 of 2)" (this drawing replaces drawing 3536-1-41-102)

h. 3531-1-41-406, Rev. 2, dated May 19, 1989, "Site Preparation - Miscellaneous Sections and Details (2 of 2)" (this drawing replaces drawing 3536-1-41-108)

22. Documents and drawings submitted to Charles E. DeWeese, Chief, Bureau of Resource

Recovery, from N.G. Wattis, Plant Manager, CCERA, under cover letter dated March 14, 1990 and later supplemented under cover letters dated March 28, September 24, October 9, October 16, October 18, 1990 and January 21, February 11, March 5, and March 22, 1991. These submissions represent requests to change (and supplements to such requests) facility operations and/or design. These submissions occurred during the later stages of facility construction, prior to facility operation. Unless otherwise specified, all drawings have been signed and sealed by Bruce C. Studley, P.E., New Jersey License Number 25102:

- Drawing No. 3531-1-43-436, Revision 2, "Foundations for Fuel Oil Tank - Foundation Sections and Details," prepared by Foster Wheeler, dated March 7, 1990 (Fuel Tank)

- Drawing No. 3531-1-51-100, Revision 2, "Key Plot Plan," prepared by Foster Wheeler, dated December 8, 1989 (Fuel Tank and Tipping Hall)

- Drawing No. 3531-1-51-225, Revision 2, "Fuel Oil Storage - Plan and Details (Area 2)," prepared by Foster Wheeler, dated March 21, 1990 (Stormwater Collection & Fuel Tank)

- Drawing/Sheet No. A-9, Revision 0, "Elevation" (North & West), prepared by Modular Structures Inc. (MSI), dated July 13, 1990 (Exterior Views)

- Drawing/Sheet No. A-10, Revision 0, "Elevation" (South & East), prepared by MSI, dated July 13, 1990 (Exterior Views)

- The following drawings (respectively numbered), prepared by Johnson March Systems, Inc., generally titled "Cooling Tower - Chemical Feed" and dated (certified correct) November 8, 1989:

DWG. No.	Revision	Title
D758839-01	D	"Phosphate Feed - Mechanical"
D758839-02	D	"Mechanical Layout"
D758839-03	D	"Oxygen Scavenger"
D758839-04	D	"Neutralizing Amine"
D758839-05	-	"Fiberglass Bldg. Layout"
D758839-11	B	"Phosphate Feed - Electrical"
D758839-12	C	"Electrical - Cooling Tower"
D758839-13	C	"Electrical-Oxygen Scavenger"
D758839-14	C	"Electrical-Neutralizing Amine"

- Drawing No. 3531-1-41-406, Revision 2, "Site Preparation - Sections and Details," prepared by Foster Wheeler, dated May 19, 1989. This drawing was formerly numbered 3536-1-41-408 and dated February 20, 1981 (Concrete Outfall Boxes)

23. Documents and drawings submitted to Charles E. DeWeese, Chief, Bureau of Resource Recovery, from Bruce C. Studley, Vice President, Plant Operations, under cover letter dated June 14, 1991, and supplemented under cover letters dated June 26 and August 27, 1991:

- Drawing # 3531-1-58-18, "Underground Installations," prepared by Foster Wheeler USA, dated June 26, 1991 (Additional Fire Hydrant)

- DSC (Detroit Stoker Company) Dwg. 60223-DI3-L, Revision 3, dated August 5, 1991 (Steam Inerting Lines)

- Drawing 3531-1-50-116, Revision 1, "Header Flow Diagram . . . Cooling Water/Steam," prepared by Foster Wheeler USA, dated August 5, 1991 (Steam Inerting Lines)

- Staneco Dwg. # 89-256-109, Revision 1, dated August 6, 1991 (Turbine Generator Load Rejection Enhancements)

- Dwg. 3531-1-50-201, "Engineering Flow Diagram – Steam Generators - Sheet l," prepared by Foster Wheeler USA, dated June 25, 1991 (Ash-Dust Suppression)

24. The following drawings were submitted to the Bureau of Resource Recovery under cover letter dated September 4, 1992, as part of the Solid Waste Facility Permit Renewal documents. These drawings represent modifications to the facility design:

    - Drawing Number 3531-1-58-3, Revision 7, "Underground Installations - Shop and Office Areas," prepared by Foster Wheeler, dated August 27, 1992 (drawing describes certain curb cut and drain design changes in the lime silo area)

    - Drawing Number 3531-1-58-5, Revision 5, "Underground Installations - Boiler Building," prepared by Foster Wheeler, dated August 5, 1992 (eliminated trench in scalper building)

    - Drawing Number 3531-1-50-118, Revision 1, "Engineering Flow Diagram . . . Wastewater Treatment," prepared by Foster Wheeler, dated August 20, 1992 (added acid injection to influent line)

    - Drawing Number 3531-1-51-401, Revision 3, "Piping Plan and Sections - Wastewater Treatment . . . (Area 4)," prepared by Foster Wheeler, dated August 27, 1992 (changed acid injection arrangement and added polymer)

    - Drawing Number C-885-497, Revision D, "General Arrangement - Sectional Side Elevation," prepared by Foster Wheeler, dated August 20, 1992 (changed Rotary Soot Blower to Oscillating)

    - Drawing Number 89-7084-L4, Revision 7, "48 Conveyor... Plan & Elevation," prepared by Mid West Conveyor Co., Inc., dated August 20, 1992 (added Drippings Chutes). This drawing later superseded by sketch SK #11-2-95 submitted in SW Permit Renewal Addendum dated November 3, 1995

25. Documents, sketches and drawings that were submitted to Sukhdev Bhalla, Chief, Bureau of Resource Recovery, from Bruce C. Studley, Vice President of Plant Operations, under cover

letters dated October 2, October 29, and November 11, 1992.

26. Documents and drawings submitted under cover letter dated August 29, 1995, to Sukhdev Bhalla, Chief, Bureau of Resource Recovery, from Christian Clamser, Senior Project Engineer, Foster Wheeler, prepared in support of a Facility Minor Modification, the drawings include:

    - "Site Preparation Site Plan" - (Foster Wheeler USA Corporation), Drawing 3531-1-41-402, Rev. 7, dated August 25, 1995, signed and sealed by Bruce C. Studley, N.J.P.E. License No. 25102 (signed August 25, 1995)

    - "Pac Silo Dosing System Standard Engineering Symbols" - (Norit Americas Inc.) Drawing Symbols, dated June 19, 1995, signed and sealed by Bruce C. Studley, N.J.P.E. License No. 25102 (signed August 28, 1995)

    - "Pac Silo Dosing System Piping and Instrumentation Diagram" - (Norit Americas Inc.) Drawing 4023-PD-01, Rev. C, dated July 28, 1995, signed and sealed by Bruce C. Studley, N.J.P.E. License No. 25102 (signed August 28, 1995)

    - "Pac Silo Dosing System Piping and Instrumentation Diagram Train 1 and Train 2" - (Norit Americas Inc.) Drawing 4023-PD-02, Rev. C, dated July 28, 1995, signed and sealed by Bruce C. Studley, N.J.P.E. License No. 25102

    - "Pac Silo Dosing System Piping and Instrumentation Diagram Train 3 and Train 4" - (Norit Americas Inc.) Drawing 4023-PD-03, Rev. C, dated July 28, 1995, signed and sealed by Bruce C. Studley, N.J.P.E. License No. 25102

    - "Pac Silo Dosing System General Arrangement Silo Limits - Elevation" - (Norit Americas Inc.) Drawing 4023-GA-01, Rev. B, dated August 25, 1995, signed and sealed by B.C. Studley, N.J.P.E. License No. 25102 (signed August 28, 1995)

    - "Pac Silo Dosing System General Arrangement Front Elevation" - (Norit Americas Inc.) Drawing 4023-GA-02, Rev. B, dated August 24, 1995, signed and sealed by Bruce C. Studley, N.J.P.E. License No. 25012 (signed August 28, 1995)

    - "Pac Silo Dosing System General Arrangement Interior Lighting - Plan View" - (Norit Americas Inc.) Drawing 4023-GA-03, Rev. A, dated July 18, 1995, signed and sealed by Bruce C. Studley, N.J.P.E. License No. 25102 (signed August 28, 1995)

    - "Norit Americas Foster Wheeler P.O. #AH-10133 Peabody TecTank 13'-11" x 47'-4 1/4" Carbon Steel Welded Tank," Drawing D-60-14-52356-00, Rev. A, dated May 16, 1995, signed and sealed by Leonard Rusciani, N.J.P.E. License No. 10425 (signed July 31, 1995)

    - "Carbon Silo Foundation Plan," Drawing D-8812.16-S0001, Sheet 1 of 1, dated August 2, 1995, signed and sealed by Gary L. Smith, N.J.P.E. License No. GE.28113 (signed August 3, 1995)

27. The following documents submitted as part of the Solid Waste Facility Permit Renewal application made to the Bureau of Resource Recovery by Camden County Energy Recovery Associates, L.P.:

    - Documents and drawings submitted to Sukhdev Bhalla, Chief, Bureau of Resource Recovery, under cover letter dated September 4, 1992, from Bruce C. Studley, Vice President of Plant Operations.

    - Documents and drawings submitted to Sukhdev Bhalla, Chief, Bureau of Resource Recovery & Transfer Facilities, under cover letter dated August 28, 1995, from Bruce Studley, Vice President of Plant Operations, in response to the Bureau's Notice of Deficiency (NOD) #1 dated April 28, 1995.

    - Documents and drawings submitted to Sukhdev Bhalla, Chief, Bureau of Resource Recovery & Transfer Facilities, under cover letter dated November 3, 1995 from Bruce Studley, Vice President of Plant operations, prepared in response to the Bureau's second technical review NOD #2 dated October 19, 1995. The submission includes: Drawing/Sketch No. 11-2-95, Revision 0, "Modification to Existing Ash Conveyor Belt Scraper . . .," dated November 3, 1995.

28. March 20, 2000 "Request for Permit Modification" letter from Camden County Energy Recovery Associates, L.P. The following design drawings are included with this submission; each drawing is dated 8/5/99 and is signed and sealed by Dennis McShane, Architect, NJ License Number A11926:

    - Drawing Number F1, Addition to Existing Building for Camden Co. Energy Recovery Associates

    - Drawing Number A1, Addition to Existing Building for Camden Co. Energy Recovery Associates

    - Drawing Number A2, Addition to Existing Building for Camden Co. Energy Recovery Associates

    - Drawing Number E1, Addition to Existing Building for Camden Co. Energy Recovery Associates

29. September 26, 2000 letter from Camden County Energy Recovery Associates, L.P. re: "Fly Ash Conditioning System and Maintenance Warehouse Additions - Additional Information for Administrative Completeness Determination." Included with this submission are the following documents and design drawings:

    - "Certification Statement" dated 9/1/00, signed by Robert J. Montore, P.E.

    - "Jurisdictional Determination" from NJDEP Land Use Regulation Program, dated August 28, 2000

- "Camden County Energy Recovery Facility Ash System Modifications Project Narrative," dated 9/26/00

- Drawing Number 3531-1-51-100, Revision 4 (8/25/00), Key Plot Plan, signed and sealed on 9/1/00 by Robert J. Montore, P.E.

30. November 1, 2000 letter from Camden County Energy Recovery Associates, L.P. re: "Addendum - Request for a Minor Permit Modification Fly Ash Conditioning System Screw Conveyor Description."

31. The following design drawings delivered to the Division of Solid and Hazardous Waste on 7/13/01 by Brian Mace and Richard Harrington of Camden County Energy Recovery Associates, L.P.:

    - Drawing Number T-001, Ash Handling Upgrades, Rev. 4 (09/08/00), signed and sealed by James S. Newcomer, P.E. on 5/28/01

    - Drawing Number GA-001, General Arrangement Overall Plan, Elevation - Ash Handling Upgrades, Rev. 2 (05/22/01), signed and sealed by James S. Newcomer, P.E. on 5/28/01

    - Drawing Number GA-002, General Arrangement Plan, Elevations & 3D - Ash Handling Upgrades, Rev. 4 (10/03/00), signed and sealed by James S. Newcomer, P.E. on 5/28/01

    - Drawing Number GA-003, General Arrangement Plan Views - Ash Handling Upgrades, Rev. 5 (05/22/01), signed and sealed by James S. Newcomer, P.E. on 5/28/01

    - Drawing Number M-001, Scrap Metal Chute - Ash Handling Upgrades - Plan, Elev's, Sect's & Det's, Rev. 3 (09/08/00), signed and sealed by James S. Newcomer, P.E. on 5/28/01

    - Drawing Number P-002, Partial Key Plan and Legend - Ash Handling Upgrades, Rev. 1 (09/08/00), signed and sealed by James S. Newcomer, P.E. on 5/28/01

    - Drawing Number P-003, Partial Piping Plan & ISO, Equipment Supply Lines - Ash Handling Upgrades, Rev. 2 (09/08/00), signed and sealed by James S. Newcomer, P.E. on 5/28/01

    - Drawing Number P-004, Partial Piping Plan & ISO, Equipment Supply Lines - Ash Handling Upgrades, Rev. 1 (09/08/00), signed and sealed by James S. Newcomer, P.E. on 5/28/01

    - Drawing Number P-005, Partial Piping Plan & ISO, Equipment Supply Lines - Ash Handling Upgrades, Rev. 2 (05/22/01), signed and sealed by James S. Newcomer, P.E. on 5/28/01

- Drawing Number P-006, Partial Piping Plan & ISO, Sump Pump Discharge Line - Ash Handling Upgrades, Rev. 1 (09/08/00), signed and sealed by James S. Newcomer, P.E. on 5/28/01

- Drawing Number S-006, Structural - New Steel Plans - Ash Handling Upgrades, Rev. 3 (05/30/01), signed and sealed by James S. Newcomer, P.E. on 5/30/01

- Drawing Number S-007, Structural - New Steel Plans - Ash Handling Upgrades, Rev. 2 (05/30/01), signed and sealed by James S. Newcomer, P.E. on 5/30/01

- Drawing Number S-014, Structural - Ext. Stairs, Sect., & Dtl. - Ash Handling Upgrades, Rev. 1 (09/08/00), signed and sealed by James S. Newcomer, P.E. on 5/28/01

- Drawing Number S-015, Structural - Stair Elevations - Ash Handling Upgrades, Rev. 2 (09/08/00), signed and sealed by James S. Newcomer, P.E. on 5/28/01

- Drawing Number E-011, Circuit Modifications, Schematic References - Ash Handling Upgrades, Rev. 2 (05/24/01), signed and sealed by James S. Newcomer, P.E. on 5/28/01

- Drawing Number E-012, Circuit Modifications, Schematic References - Ash Handling Upgrades, Rev. 1 (09/08/00), signed and sealed by James S. Newcomer, P.E. on 5/28/01

- Drawing Number E-013, Circuit Modifications, Schematic References - Ash Handling Upgrades, Rev.1 (05/24/01), signed and sealed by James S. Newcomer, P.E. on 5/28/01

32. January 15, 2002 letter from Camden County Energy Recovery Associates, L.P. re: "Request for Review and Determination - Ash Extractor Replacement." Included with this submission are the following design drawings signed and sealed by John T. Ohlin, P.E.:

    - Drawing Number 426382 E (sheet 1 of 2), Revision 1 (12/20/01), General Arrangement 3.2 M Ash Extractor for Camden County Energy

    - Drawing Number 426382 E (sheet 2 of 2), Revision 0 (12/21/01), General Arrangement 3.2 M Ash Extractor for Camden County Energy

33. February 28, 2002 letter from Camden County Energy Recovery Associates, L.P. re: "Request for Review and Determination - Ash Extractor Replacement." Included with this submission are the following documents and design drawing:

    - "Certification Statement" dated 2/28/02, signed by Bruce C. Studley, P.E.

    - Drawing Number C885-497-E, Revision E (2/12/02), General Arrangement Sectional Side Elevation - South Camden Industrial Park, Camden County, New Jersey - Three (3) 350 TPD Municipal Solid Waste Fired Steam Generators. This drawing is signed and sealed by Robert J. Montore, P.E.

34. December 18, 2002 letter from Camden County Energy Recovery Corporation re: "Fly Ash Conditioning System - CCERA Response to Division of Solid & Hazardous Waste Letter Dated July 05, 2002."

35. March 31, 2003 letter from Camden County Energy Recovery Corporation re: "Operations and Maintenance Manual Section 11 - Modifications Requested by DSHW Letter Dated March 20, 2003."

36. August 4, 2003 letter and narrative from Camden County Energy Recovery Corporation re: "Response to Notice of Deficiency Regarding Solid Waste Permit Modification to Include Upgrade for New Fly Ash Conditioning System - Dated July 16, 2003." Included with this submittal are the following design drawings signed and sealed by Robert J. Montore, P.E.:

    - Drawing Number 3531-1-50-101, Rev. 1 (11/26/02), Engineering Flow Diagram, Section 100 - Support Facilities Raw, Well, and Firewater Systems

    - Drawing Number 3531-1-50-112, Rev. 1 (7/23/03), Engineering Flow Diagram, Section 100 - Support Facilities Recovered Water System

    - Drawing Number 3531-1-50-117, Rev. 1 (7/23/03), Header Flow Diagram, Section 100 - Support Facilities Utility & Instrument Air, Utility & Potable Water, Vent & Drain To Condenser

    - Drawing Number 3531-1-50-205, Rev. 3 (7/23/03), Engineering Flow Diagram, Section 200 - Boiler Island Dry Scrubbers

    - Drawing Number 3531-1-50-208, Rev. 1 (7/23/03), Engineering Flow Diagram, Section 200 - Boiler Island Scrubber Lime, Water & Compressed Air Systems

    - Drawing Number 3531-1-50-302, Rev. 1 (7/23/03), Process Flow Diagram - Overall Water Balance

37. Letter dated June 14, 2001 from Brian Mace of CCERA to Robert Confer, Bureau of Resource Recovery and Technical Programs, Division of Solid and Hazardous Waste, transmitting responses to the Bureau Notice of Deficiency (NOD) dated May 10, 2001.

38. Letter dated June 3, 2003 from Brian Mace of CCERA to Robert Confer, Bureau of Resource Recovery and Technical Programs, Division of Solid and Hazardous Waste, transmitting responses to the Bureau NOD dated May 12, 2003.

39. Letter dated October 16, 2003 from Brian Mace of CCERA to Robert Confer, Bureau of Resource Recovery and Technical Programs, Division of Solid and Hazardous Waste, transmitting responses to the Bureau NOD dated September 30, 2003. The following drawings are included in this transmittal:

    - Drawing Number 3531-1-50-102, Rev. 1 (5/22/03), Engineering Flow Diagram, Section 100

– Support Facilities Carbon Filters and Cation/Anion Units, signed and sealed by Robert J. Montore, P.E.

- Drawing Number 3531-1-50-103, Rev. 1 (5/22/03), Engineering Flow Diagram, Section 100 – Support Facilities Acid and Caustic Systems, signed and sealed by Robert J. Montore, P.E.

- Drawing Number 3531-1-50-202, Rev. 1 (5/21/03), Engineering Flow Diagram, Section 200 – Boiler Island Steam Generators – Sheet 2 of 2, signed and sealed by Robert J. Montore, P.E.

40. May 6, 2004 "Proposal for Requested Grizzly Scalper Area Changes - Request for Permit Modification" letter from Camden County Energy Recovery Corporation including revised drawings and revisions to the Operations & Maintenance Manual, Volume III.

41. Letter dated August 11, 2004 from Brian Mace of CCERC to the Bureau of Resource Recovery and Technical Programs, Division of Solid and Hazardous Waste, transmitting responses to the Bureau Notices of Deficiency dated June 18, 2004 and July 8, 2004.

42. Letter dated November 17, 2004 from Brian Mace of CCERC to the Bureau of Resource Recovery and Technical Programs, Division of Solid and Hazardous Waste, transmitting responses to the Bureau Notice of Deficiency dated October 6, 2004.

43. The following final design drawings and revisions to the Operations & Maintenance Manual. Each drawing is signed and sealed by Bruce C. Studley, P.E. (added January 25, 2005):

    - Drawing Number 3531-1-50-207, Rev. 4 (8/2/04), Engineering Flow Diagram, Section 200-Boiler Island, Ash Handling System

    - Drawing Number 3531-1-51-4, Rev. 8 (8/2/04), Equipment Arrangement, Boiler Island, Auxiliary Plan, Ground Floor Elevation 100’- 6”

    - Drawing Number 3531-1-51-5, Rev. 5 (11/8/04), Equipment Arrangement, Boiler Island (Plan – TCP Building), North Side

    - Drawing Number 3531-1-51-6, Rev. 6 (11/8/04), Equipment Arrangement, Boiler Island (Plan – TCP Building), South Side

    - Drawing Number 3531-1-51-7, Rev. 9 (11/8/04), Equipment Arrangement, Plan, Ash Storage and Load Out

    - Drawing Number 3531-1-51-11, Rev. 5 (11/8/04), Equipment Arrangement Plan, Wastewater Treatment Area

    - Drawing Number 3531-2-36-01, Rev. 9 (8/2/04), General Arrangement Ash Handling System

    - Concept drawings RRF010001-2004-M1-1 and RRF010001-2004-M1-2 signed (8/11/04)

- Volume III, Tab 11, Ash Handling System Operating Procedures and Appendix E, Ash Management

- Volume III, Tab 13, Refuse Receiving and Handling

44. "Camden County Energy Recovery Associates - Camden Resource Recovery Facility Operations & Maintenance Manual, Volume III, Tab 11, Ash Handling System Operating Procedures, Revision Number 12, 5/2/06, Addition of ferrous container transportation description;" revised pages 1-3 and "Appendix F Ferrous Metal Shipping Procedures, Rev. Orig., 5/2/06, New Addition to O&M Manual." This document was submitted with the Camden County Energy Recovery Associates, L.P. letter dated May 4, 2006 re: "Renewal of Solid Waste Facility Permit - Response to NOD dated May 01, 2006."

45. Final Operations and Maintenance Manual (Manual) titled "Camden County Energy Recovery Associates Operations and Maintenance Manual," Volumes 1-11, prepared by Foster Wheeler. Also included are all attachments and appendices to the Manual, and all subsequent Department approved revisions of the Manual.

46. Solid Waste Permit Renewal Application, prepared by Camden County Energy Recovery Corporation, submitted under cover letter dated March 24, 2011, signed by Richard R. Harrington, Plant Manager. The application is accompanied by a compact disc (CD) containing electronic versions of an updated Operations and Maintenance Manual and as-built drawings for the Selective Non-Catalytic Reduction System.

47. Documents and drawings, prepared by Camden County Energy Associates, L.P., submitted under cover letter dated March 5, 2014, to Zafar Billah, Section Chief, Bureau of Landfill and Solid Waste Permitting, signed by Richard R. Harrington, Facility Manager, "Minor Modification-Ferrous System Upgrades and Non-Ferrous Installation;" and documents and drawings, prepared by Camden County Energy Associates, L.P., submitted under cover letter dated August 18, 2014, to Anthony Fontana, Section Chief, Bureau of Transfer Stations and Recycling Facilities, signed by Richard R. Harrington, Facility Manager, "Minor Modification—Ferrous System Upgrades and Non-Ferrous Installation Revised Application Transmittal—Fly ash and bottom ash separation." The following design drawings and revisions to the Operations & Maintenance Manual are included with this submission. Each drawing is signed and sealed by Steven J. Bossotti, P.E.:

    - Drawing Number 531-1-51-100, Rev. 4 (8/25/00), "Key Plot Plan"

    - Drawing Number 518-00-F1, Rev. A (8/07/14), "Process & Flow Diagram"

    - Drawing Number 518-00-G1, Rev. A (8-07-14), "Metals Recovery System"

    - Drawing Number 518-00-G2, Rev. A (8-07-14), "Sections and Views from Drawing #518-00-G1"

    - Volume III, Tab 11, Ash Handling System Operating Procedures and Appendix A,

Engineering Flow Diagrams

48. Letter dated December 10, 2014 from Richard R. Harrington, Facility Manager of Camden Resource Recovery Facility to the Bureau of Transfer Stations and Recycling Facilities, Solid and Hazardous Waste Management Program, transmitting responses to the Bureau Notice of Deficiency dated December 4, 2014.

49. Letter dated June 24, 2015 from Richard R. Harrington, Facility Manager of Camden Resource Recovery Facility, to Anthony Fontana, Division of Solid and Hazardous Waste, transmitting as-built drawings (structural, electrical, and instrumentation) and Operations & Maintenance Manual Section 11—Ash Handling System. Included in this package is a letter from Douglas R. Iverson, P.E., Wolf Material Handling Systems, to Richard Molter, Project Manager, Covanta Energy Corporation, certifying the structural components of the project have been installed in accordance with his design and drawings.

    The following drawings are signed and sealed by Douglas R. Iverson, P.E., NJ License GE51993:

    - Drawing Number RC-200A, Rev. 0 (6/18/15), "Residue Handling System Digital Logic Diagrams Symbols and General Notes"

    - Drawing Number RC-201A, Rev. 2 (6/16/15), "Residue Handling System Sequential Start Sequence and Startup Warning Strobe and Horn"

    - Drawing Number RC-201B, Rev. 2 (6/16/15), "Residue Handling System DCS Common Trouble and Safety Alarms"

    - Drawing Number RC-208A, Rev. 2 (6/16/15), "Residue Handling System Vibrating Pan VP-208A"

    - Drawing Number RC-210, Rev. 2 (6/16/15), "Residue Handling System Eddy Current Separator ECS-210"

    - Drawing Number RC-207A, Rev. 2 (6/16/15), "Residue Handling System Vibrating Pan VP-207A"

    - Drawing Number RC-209A, Rev. 2 (6/16/15), "Residue Handling System Belt Conveyor CR-209A"

    - Drawing Number RC-204A, Rev. 2 (6/16/15), "Residue Handling System Vibrating Pan VP-204A"

    - Drawing Number RC-209B, Rev. 2 (6/16/15), "Residue Handling System Belt Conveyor CR-209B"

    - Drawing Number RC-205A, Rev. 2 (6/16/15), "Residue Handling System Drum Magnet DM-205A"

- Drawing Number 518-04-S1, Rev. 00 (6/11/15), “Walk from Drawing #518-04-S1”

- Drawing Number 518-07-S1, Rev. 00 (6/11/15), “Assembly Ash Sampling Platform and Stair”

- Drawing Number 518-07-S2, Rev. 00 (6/11/15), “Ash Sampling Platform and Stair, Sections from Drawing #518-07-S1”

- Drawing Number 518-07-S3, Rev. 00 (6/11/15), “Ash Sampling Platform and Stair Bottom Flange Bracing”

- Drawing Number 518-11-S1, Rev. 00 (6/11/15), “Grating Plans @ EL 126’-7 ¼” and EL 134’-7 ¼””

- Drawing Number 518-11-S2, Rev. 00 (6/11/15), “Structural Plans for Metal Recovery System”

- Drawing Number 518-11-S3, Rev. 00 (6/11/15), “Sections and Details Metals Recovery System w/ Fly Ash Handling Addition”

- Drawing Number 518-11-S4, Rev. 00 (6/11/15), “Sections and Details Metals Recovery System w/ Fly Ash Handling Addition”

- Drawing Number 518-11-S5, Rev. 00 (6/11/15), “Sections and Details Metals Recovery System w/ Fly Ash Handling Addition”

- Drawing Number 518-11-S6, Rev. 00 (6/11/15), “Sections and Details Metals Recovery System w/ Fly Ash Handling Addition”

- Drawing Number 518-11-S7, Rev. 00 (6/11/15), “Structural Plans for Metal Recovery System”

- Drawing Number 518-11-S8, Rev. 00 (6/11/15), “Structural Plans for Metal Recovery System”

- Drawing Number 518-11-S9, Rev. 00 (6/11/15), “Sections and Details from Dwg #518-11-S8”

- Drawing Number 518-11-S10, Rev. 00 (6/11/15), “Sections and Details from Dwg #518-11-S8”

- Drawing Number 518-11-S11, Rev. 00 (6/11/15), “Sections, Views and Details from Drawing #518-09-S8 for Repurposed Ding Magnet Platform”

- Drawing Number 518-11-S20, Rev. 00 (6/11/15), “Concrete Wall Extension for Metal

Recovery System"

- Drawing Number 518-12-S0, Rev. 00 (6/10/15), "Structural Notes"

- Drawing Number 518-12-S1, Rev. 00 (6/10/15), "Plans and Details Fly Ash Handling Addition"

- Drawing Number 518-12-S2, Rev. 00 (6/10/15), "Elevations and Details Fly Ash Handling Addition"

- Drawing Number 518-12-S3, Rev. 00 (6/10/15), "Sections and Details from 518-S2"

- Drawing Number 518-12-S4, Rev. 00 (6/10/15), "Apron Layout for Non-Fe Enclosure Building"

The following diagrams are signed and sealed by John Szabados, N.J. PE License No. 249GE04729600:

- Drawing Number CAMDM-NFE-E-209-2, Rev. 1 (6/15/15), "Electrical Wiring Diagram for CR-209B"

- Drawing Number CAMDM-NFE-E-210-2, Rev. 1 (6/15/15), "Electrical Wiring Diagram for DM-205A"

- Drawing Number CAMDM-NFE-E-211-2, Rev. 1 (6/15/15), "Electrical Wiring Diagram for VP-204A-1 & 2"

- Drawing Number CAMDM-NFE-E-212-2, Rev. 1 (6/15/15), "Electrical Wiring Diagram for VP-207A-1 & 2"

- Drawing Number CAMDM-NFE-E-213-2, Rev. 1 (6/15/15), "Electrical Wiring Diagram for VP-208A-1 & 2"

- Drawing Number CAMDM-NFE-E-214-2, Rev. 1 (6/15/15), "Electrical Wiring Diagram for CR-209A"

- Drawing Number CAMDM-NFE-E-215, Rev. 2 (6/15/15), "Electrical Wiring Diagram for DM-205B"

- Drawing Number CAMDM-NFE-E-216, Rev. 1 (6/15/15), "Electrical Wiring Diagram for ECS-210"

- Drawing Number CAMDM-NFE-E-217, Rev. 2 (6/15/15), "Electrical Wiring Diagram for Sequential Start, Stop & Alarms"

- Drawing Number CAMDM-NFE-E-222, Rev. 2 (6/15/15), "Electrical Cable/Raceway

Route Site Plan from Col. 1 to 10"

- Drawing Number CAMDM-NFE-E-223, Rev. 2 (6/15/15), "Electrical Cable/Raceway Route Site Plan from Col. 11 to 24"

- Final O&M Manual revision for Section 11-Ash Handling System, Rev. 14 (6/15/15), Volume III, Tab 11, Ash Handling System Operating Procedures

50. Solid Waste Facility Permit Renewal Application, with cover letter dated January 19, 2018 signed by Richard Harrington, facility manager, with additional information received in an email from Richard Harrington dated August 22, 2018.

51. The following additions to the O&M Manual:

- Appendix to Chapter 8 – "Emergency Procedure if a Turbine Generator Breaker Fails to Open Following Turbine Trip"

- The following Sections to Chapter 9 – Wastewater Treatment: Section VI – "Staff Guidance for Emergency Situations," Section VII – "Potential System Upsets and Corrective Actions," and Section VIII – "Operation During CCMUA Discharge Limitation Emergencies"

- "Waste Control, Inspection, and Recyclables Plan" to Chapter 13

52. Minor Modification Application dated March 13, 2019 submitted by Richard Harrington, Facility Manager, Camden County Energy Recovery Associates, L.P., to Anthony Fontana, Bureau Chief, Bureau of Solid Waste Permitting. Included in the application are the following documents:

- Solid Waste Facility Application form signed and certified by Richard Harrington, facility manager, on March 15, 2019.

- Letter dated February 16, 2019 from Joanne McClendon, Bureau of Solid Waste Planning and Licensing, to Jack Sworaski, Camden County Division of Environmental Affairs, approving an administrative action to the Camden County District Solid Waste Management Plan for the additional waste type.

- Camden Resource Recovery Facility Waste Hauler's Handbook of the O&M Manual, updated May 2019, received in a letter from Patrick J. Friscia dated May 23, 2019.

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 plans and specifications listed above.

Attachment

The conditions of this permit are found in the attached document titled "Camden County Energy Recovery Associates, L.P. – 133512 – RRF190001 SW Resource Recovery Permit – Minor Modification Requirements Report."

Subject Item: PI 133512 -

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 renewal permit 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 operating 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 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 facility shall temporarily or permanently cease 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)]

Subject Item: PI 133512 -

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, 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, environmental and health impact statement 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 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 waste origin/disposal (O and D) 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)]

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 at the time of the permittee's annual renewal of its registration with the Department, as specified at N.J.A.C. 7:26-16.6 [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 Control, Inspection, and Recyclables Plan included as part of the approved final operations and maintenance 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 Control, Inspection, and Recyclables 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- 2.10(b)9vii]

35. Upon notification from the Department that a State of Emergency, which may impact the facility’s operations, 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 following general operating requirements for all solid waste facilities as provided at N.J.A.C. 7:26-2.11: (a) Within each 24 hr. period the operator shall clean each area where waste has been deposited or stored, except for those storage areas at thermal destruction facilities which are designed for multiple day storage capability; (b) No waste shall be stored overnight at any facility without effective treatment to prevent odors associated with putrefaction; (c) Facility property surrounding the actual disposal area shall be maintained free of litter, debris, and accumulations of unprocessed waste, process residues and effluents. Methods of effectively controlling wind-blown papers and other lightweight materials, such as fencing, shall be implemented at all facilities; (d) Methods of controlling dust shall be implemented at all facilities in order to prevent offsite migration; (e) The operation of the facility shall not result in the emission of air contaminants in violation of N.J.A.C. 7:27-5.2(a); (f) The permittee shall maintain all facility systems and related appurtenances in a manner that facilitates proper operation and minimizes system downtime. When requested, the permittee shall furnish proof that provisions have been made for the repair and replacement of equipment which becomes inoperative; (g) An adequate water supply and adequate firefighting equipment shall be maintained at the facility or be readily available to extinguish any and all types of fires. Fire-fighting procedures as delineated in the approved O and M manual, including the telephone numbers of local fire, police, ambulance and hospital facilities, shall be posted in and around the facility at all times; and, (h) The permittee shall effectively control insects, other arthropods and rodents at the facility by means of a program in compliance with the requirements of the New Jersey Pesticide Control Code, N.J.A.C. 7:30. [N.J.A.C. 7:26-2.11]

37. The permittee shall comply with the following additional general operating requirements for all solid waste facilities as provided at N.J.A.C. 7:26-2.11: (a) The permittee shall at all times comply with the conditions of this permit, as well as all other permits or certificates required and issued by the Department or any other Federal or State authority. The permittee shall not receive, store, handle, process or dispose of waste types not specifically identified in this permit; (b) The quantity of waste received by the facility shall not exceed the system's designed handling, storage, processing or disposal capacity as identified in this permit. The designed processing and disposal capacity approved within this permit, other permit or certificate, or approval conditions as a ton per day operational maximum shall be inclusive of all solid waste received at the facility; (c) The facility shall be operated in a manner that employs the use of the equipment and those techniques for the receipt, storage, handling, processing or disposal of incoming waste and process residues that are specifically authorized by this permit; and, (d) The approved final O and M manual shall be maintained at the facility. A written description of any proposed changes to the approved final O and M manual shall be submitted to the Department for review. These proposed changes shall not be implemented at the facility until the Department approves the changes. [N.J.A.C. 7:26-2.11]

38. The permittee shall conduct inspections as indicated in the approved final O and M manual in order to identify and remedy any problems. [N.J.A.C. 7:26-2B.8(d)1]

39. The permittee shall record the results of the inspections in a log book or by means of an electronic storage system approved by the Department which shall be accessible at the facility at all times for inspection by the Department. These records shall include the date and time of the inspection, the name of the inspector, a notation of observations and recommendations and the date and nature of any repairs or other remedial actions taken. [N.J.A.C. 7:26-2B.8(d)2]

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40. A Department inspector may, at the option of the Department, be stationed at district facilities on a daily basis and during all facility operating hours. The permittee of such a facility shall allow entry to the inspector at any time during operating hours. The permittee shall make available office space for Department personnel to prepare inspection reports. [N.J.A.C. 7:26-2B.8(e)]

41. The permittee shall implement waste receiving area control procedures that provide for the inspection of the incoming waste stream for the purpose of removing unprocessible or potentially explosive materials prior to the initiation of processing. In addition, the inspection shall effectively prevent the acceptance of unauthorized waste types. These procedures and necessary contingency plans shall be incorporated into the approved final O and M manual. [N.J.A.C. 7:26-2B.8(f)]

42. Should situations arise where the facility experiences equipment or system malfunction to the extent that the waste received cannot be handled or processed in the normal manner, as specified in this permit, then the permittee shall notify the Department of the existence of such a situation and the circumstances contributing to the situation within the working day of its occurrence. The permittee shall immediately pursue corrective measures. The continued receipt of wastes at the facility shall be limited to that quantity and type that can be handled, stored and processed in conformance with the facility's remaining approved operational capacity. [N.J.A.C. 7:26-2B.8(g)]

43. Arrangements for facility generated waste disposal shall be established and maintained throughout the life of the facility. These waste disposal arrangements shall be in conformance with the Solid Waste Management Plan of the District in which the facility is located and with the rules of the Department. [N.J.A.C. 7:26-2B.8(h)]

44. Unprocessed incoming waste, facility process waste residues and effluents, and recovered materials shall be stored in bunkers, pits, bins, or similar containment vessels and shall be kept at all times at levels that prevent spillage or overflow. [N.J.A.C. 7:26-2B.8(i)]

45. During periods when the facility is not processing wastes and during hours when waste is not being received, waste delivery tipping hall doors shall be kept closed to minimize potential migration of odors and dust to the exterior in accordance with N.J.A.C. 7:27. [N.J.A.C. 7:26-2B.8(j)]

46. The delivery of waste to the facility and the removal of residues and recovered products from the site shall be scheduled so as to eliminate traffic backups and allow for fluid vehicular movement on site. [N.J.A.C. 7:26-2B.8(k)]

47. Samples and measurements taken for the purpose of monitoring facility process and treatment operations shall be representative of the process or operation and shall be performed in accordance with the conditions of this permit, as well as the requirements of other regulatory agencies where applicable. Monitoring shall be conducted through the use of continuous monitoring instrumentation, where feasible. [N.J.A.C. 7:26-2B.8(l)]

48. Prior to disposal, the permittee shall perform a waste determination on all residual ash, in accordance with N.J.A.C. 7:26G-6. Such determination shall be based on analyses of representative composite samples collected in the manner specified in this permit. At a minimum the sampling shall include analyses for toxicity characteristics and total dioxins and furans per EPA test method 1613B (EPA report 821/B-94-005) or equivalent as approved by the Department, and shall be performed at the frequency specified in this permit. [N.J.A.C. 7:26-2B.8(m)]

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49. The Department may alter the list of ash test parameters, the methods of sample collection, the analytical procedures employed and the frequency of sampling and analysis deemed necessary. The permittee may request the Department to reduce the number of ash test parameters specified within the solid waste facility permit by applying qualitative knowledge of incoming waste streams. If the permittee demonstrates through testing that the concentration of any given parameter is consistently below method detection levels as determined using the Toxicity Characteristic Leaching Procedure (TCLP), as defined in USEPA's Test Methods for Evaluating Solid Waste Physical/Chemical Methods SW-846 (SW-846), or the concentration of any given parameter as determined using a total metals analysis, as defined in SW-846, is consistently below 20 times the regulatory threshold levels of the TCLP, the permittee may request the Department to eliminate those parameters from subsequent analysis. [N.J.A.C. 7:26-2B.8(n)]

50. Ash testing analyses required by this permit shall be performed in accordance with procedures outlined in the most recent edition of "Test Methods for Evaluating Solid Waste-Physical/Chemical Methods," U.S.E.P.A. publication SW-846. [N.J.A.C. 7:26-2B.8(o)]

51. The results of ash analysis, including the statistical evaluation of the analytical data conducted in accordance with SW-846, and related quality assessment and quality control information pertaining to sample collection, handling and laboratory analytical methodology, shall be submitted to the Department for evaluation. The permittee shall dispose of the onsite generated residual ash at a facility authorized and permitted to receive the waste type I.D. number assigned to the residual ash by the Department in accordance with its classification. [N.J.A.C. 7:26-2B.8(p)]

52. The permittee shall retain original records of all waste analyses and operation monitoring reports at the facility for a period of three years from the date of measurement. [N.J.A.C. 7:26-2B.8(q)]

53. Records of operation monitoring and waste analyses required above shall include: the date, time and place of sampling, measurement or analysis; chain of custody for all samples collected; the name of the individual who performed the sampling, measurement or analysis; the sampling and analytical methods including the minimum detection levels for the analytical procedure utilized; the results of such sampling, measurement or analyses; and the signature and certification of the report by an appropriate authorized agent for the facility. [N.J.A.C. 7:26-2B.8(r)]

54. The permittee shall act to prevent accidental or unintentional entry and minimize the possibility for unauthorized entry into the facility. The facility shall have a 24-hour surveillance system which continuously monitors and controls entry to the facility or an artificial or natural barrier which completely surrounds the facility. In addition, the facility shall have a means to control entry at all times through the gates or other entrances to the facility. [N.J.A.C. 7:26-2B.8(s)]

55. The permittee shall maintain sufficient personnel during each scheduled shift to assure the proper and orderly operation of all system components, along with the ability to handle all routine facility maintenance requirements. Such personnel shall have sufficient educational background, employment experience and/or training to enable them to perform their duties in such a manner as to ensure facility compliance with the requirements of the Solid Waste Management Act at N.J.S.A. 13:1E, N.J.A.C. 7:26-1 et seq., and the conditions of this permit. [N.J.A.C. 7:26-2B.8(t)1]

56. Each shift shall have a designated shift supervisor authorized by the permittee to direct and implement all operational decisions during that shift. [N.J.A.C. 7:26-2B.8(t)2]

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57. A facility utilizing a boiler to generate steam, power or heat shall employ individuals licensed in accordance with the Rules and Regulations of the New Jersey Department of Labor for Boilers, Pressure Vessels and Refrigeration, N.J.A.C. 12:90. [N.J.A.C. 7:26-2B.8(t)3]

58. Every district facility shall have under contract a New Jersey licensed professional engineer as a consultant to oversee the general plant operations. This engineer shall possess experience in the design and operation of the major system components or equipment that constitute the facility. [N.J.A.C. 7:26-2B.8(t)4]

59. All personnel who are directly involved in facility waste management activities or who operate, service, or monitor any facility equipment, machinery or systems shall successfully complete an initial program of classroom instruction and on-the-job training that includes instruction in the operation and maintenance of the equipment, machinery and systems which they must operate, service or monitor in the course of their daily job duties, and which teaches them to perform their duties in a manner that ensures facility compliance with the requirements of the Solid Waste Management Act at N.J.S.A. 13:1E, N.J.A.C. 7:26-1 et seq. and the conditions of this permit. [N.J.A.C. 7:26- 2B.8(u)1]

60. The training program shall be directed by a person thoroughly familiar with the technology being utilized at the facility and the conditions of the facility's permits. [N.J.A.C. 7:26-2B.8(u)2]

61. The training program shall ensure that facility personnel are able to effectively respond to any equipment malfunction or emergency situation that may arise. The training program shall provide instruction in the use of personal safety equipment, procedures for inspecting and repairing facility equipment, the use of communications or alarm systems, the procedures to be followed in response to fires, explosions or other emergencies, and the procedures to be followed during planned or unplanned shutdown of operations. [N.J.A.C. 7:26-2B.8(u)3]

62. Employees shall not work in unsupervised positions until they have completed the training program required herein. [N.J.A.C. 7:26-2B.8(u)4]

63. Facility personnel shall take part in a planned annual review of the initial training program. [N.J.A.C. 7:26-2B.8(u)5]

64. Training records that document the type and amount of training received by current facility personnel shall be kept until closure of the facility. Training records on former employees shall be kept for at least one year from the date the employee last worked at the facility. [N.J.A.C. 7:26-2B.8(u)6]

65. In the case of an emergency, the plant operator or emergency coordinator shall immediately identify the character, exact source, amount and extent of any discharged materials and notify appropriate State or local agencies with designated response roles if their help is needed. [N.J.A.C. 7:26-2B.8(v)1]

66. Concurrently, the plant operator or emergency coordinator shall assess possible hazards to public health or the environment that may result from the discharge, fire or explosion. This assessment shall consider both direct and indirect effects. [N.J.A.C. 7:26-2B.8(v)2]

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67. If the plant operator or emergency coordinator determines that the facility has had an uncontrolled discharge, a discharge above standard levels permitted by the Department, or a fire or explosion, he or she shall: Immediately notify appropriate local authorities if an assessment indicates that evacuation of local areas may be advisable; Immediately notify the Department at 1-877-927-6337; and when notifying the Department, report the type of substance and the estimated quantity discharged if known, the location of the discharge, the action the person reporting the discharge is currently taking or proposing to take in order to mitigate the discharge and any other information concerning the incident which the Department may request at the time of notification. [N.J.A.C. 7:26- 2B.8(v)3]

68. The plant operator shall take all reasonable measures to ensure that fires, explosions and discharges do not recur or spread to other areas of the facility. These measures shall include, where applicable, the cessation of process operations and the collection and containment of released waste. [N.J.A.C. 7:26-2B.8(v)4]

69. Immediately after an emergency, the plant operator or emergency coordinator shall provide for treating, storing or disposing of waste contaminated soil or water or any other material contaminated as a result of the discharge, fire or explosion. [N.J.A.C. 7:26-2B.8(v)5]

70. The plant operator or emergency coordinator shall insure that no waste is processed until cleanup procedures are completed and all emergency equipment listed in the contingency plan is again fit for its intended use. [N.J.A.C. 7:26-2B.8(v)6]

71. The plant operator or emergency coordinator shall notify the Department and appropriate local authorities when operations in the affected areas of the facility have returned to normal. [N.J.A.C. 7:26-2B.8(v)7]

72. Within 15 days after the incident, the plant operator or emergency coordinator shall submit a written report on the incident to the Department. The report shall include, but not be limited to: The name, address and telephone number of the facility; The date, time and description of the incident; The extent of injuries, if applicable, with names and responsibilities indicated; An assessment of actual damage to the environment, if applicable; An assessment of the scope and magnitude of the incident; A description of the immediate actions that have been initiated to clean up the affected area and prevent a recurrence of a similar incident; and An implementation schedule for undertaking measures to effect cleanup and avoid recurrence of the incident, if applicable. [N.J.A.C. 7:26-2B.8(v)8]

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73. The permittee is authorized to accept the following waste types as defined at N.J.A.C. 7:26-2.13(g):

ID	Description
10	Municipal Waste (household, commercial and institutional)
13/13C	Bulky Waste (except for major motor vehicle parts, noncombustible construction material, and noncombustible demolition debris)
23	Vegetative Waste
25	Animal and Food Processing Waste
27	Dry Industrial Waste (except for asbestos and asbestos-containing wastes, dry non-hazardous pesticides, non-hazardous oil and chemical spill clean-up waste, dry non-hazardous chemical waste, and hazardous waste as defined in N.J.A.C.7:26G-1et seq. and 40 CFR 261 which is generated by small quantity generators as defined in N.J.A.C.7:26G-1 et seq.). [N.J.A.C. 7:26- 2.11(b)9]

74. 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), or hazardous waste as defined at N.J.A.C. 7:26G-1 et seq. [N.J.A.C. 7:26-2.11(b)9]

75. One complete set of the permit application documents listed in this permit, this Solid Waste Facility Permit, 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 upon presentation of credentials. [N.J.A.C. 7:26-2]

76. In addition to the requirements of N.J.A.C. 7:26-2B.8(t) and (u) the permittee shall also comply with all applicable Federal requirements pertaining to facility staffing. The permittee shall not allow the facility to be operated at any time unless one of the following persons is on duty: a fully certified chief facility operator, or a fully certified shift supervisor. If one of the persons listed above must leave the facility during their operating shift, a provisionally certified control room operator who is on duty may fulfill the requirement in this paragraph. [N.J.A.C. 7:26-2]

77. In addition to the requirements of N.J.A.C. 7:26-2B.8(t) and (u) the permittee shall also comply with all applicable Federal requirements pertaining to facility staffing. Each chief facility operator and shift supervisor at the facility shall have completed full certification in accordance with the American Society of Mechanical Engineers QRO-1-1994, Standard for Qualification and Certification of Resource Recovery Facility Operators. [N.J.A.C. 7:26-2]

78. In addition to the requirements of N.J.A.C. 7:26-2B.8(t) and (u) the permittee shall also comply with all applicable Federal requirements pertaining to facility staffing. Each chief facility operator, shift supervisor, and control room operator must complete the EPA municipal waste combustor operator training course. This requirement does not apply to chief facility operators, shift supervisors, and control room operators who obtained full certification from the American Society of Mechanical Engineers on or before the effective date of the applicable Federal rules and regulations. [N.J.A.C. 7:26-2]

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79. In addition to the requirements of N.J.A.C. 7:26-2.10 and N.J.A.C. 7:26-2B.4(a)16-18, the permittee shall also comply with all applicable Federal requirements pertaining to contents of the final operations and maintenance manual. The permittee shall review the facility's approved final operations and maintenance manual to ensure that all federally required elements for the site-specific operating manual are included. Should the approved facility final operations and maintenance manual need modification to comply with the federal rules and regulations, the permittee shall submit said modifications to the Department for review and approval, in accordance with N.J.A.C. 7:26-2.11.(b)12. [N.J.A.C. 7:26-2]

80. In addition to the requirements of N.J.A.C. 7:26-2B.8(u) the permittee shall also comply with all applicable Federal requirements pertaining to facility staff training. As part of the planned annual review of the initial training program required by N.J.A.C. 7:26-2B.8(u)5., the permittee shall also ensure that review of the facility's approved final operations and maintenance manual is included in the program. Such training shall include each person who has responsibilities affecting the operation of the facility, including, but not limited to, chief facility operators, shift supervisors, control room operators, ash residue handlers, maintenance personnel, and crane/load handlers. [N.J.A.C. 7:26-2]

81. The Permittee shall implement the community relations plan, which identifies the steps to be taken to transfer information to, and solicit input from, the community in which the facility is located. The plan shall be maintained as a section of the approved final O and M manual. [N.J.A.C. 7:26-2B.4(a)19]

82. Waste shall be accepted for processing at the facility only in accordance with the following delivery schedule:

    7:00 AM to 5:00 PM Monday through Friday

    7:00 AM to 12:00 Noon Saturday. [N.J.A.C. 7:26- 2]

83. Waste deliveries to the facility shall be scheduled in such a manner as to minimize truck queuing on the facility property. Under no circumstances shall delivery trucks be allowed to back up onto public roads. The permittee shall allow only vehicles properly registered with the Department for the transportation of waste, pursuant to N.J.A.C. 7:26-3, to deliver and deposit waste at the facility, or to remove process waste residues, unprocessible waste materials, or bypass waste from the facility. [N.J.A.C. 7:26-2]

84. The Permittee shall aid and assist Camden County, to the maximum extent possible, in ensuring that haulers delivering waste to the facility adhere to the designated primary refuse truck delivery routes from and to each collection area served by the facility as prescribed in the approved Camden County District Solid Waste Management Plan. As a component of this cooperative undertaking, the Permittee, prior to receiving waste from individual sources outside of the Camden County Solid Waste Management District, shall formally notify those parties responsible for the delivery of waste of the need to utilize the designated primary refuse truck delivery routes to access the facility. Where waste sources outside of the Camden County Solid Waste Management District are to enter into a contract or written agreement with the Permittee for disposal service, such contract or written agreement shall reference as a term or condition that the transport of waste to the facility shall only be by means of the designated primary refuse truck delivery routes as prescribed in the approved Camden County District Solid Waste Management Plan. [N.J.A.C. 7:26- 2]

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85. On-site traffic control measures shall be maintained to provide for orderly vehicular movement on the facility grounds. The measures implemented shall include the appropriate use of lane delineation, signals, signs, barriers or any combination thereof to ensure an orderly flow of traffic delivering waste to the facility through the scale to the tipping floor, then leaving the tipping floor and exiting the facility through the scale. Trucks carrying ash residue, recovered ferrous metals, recovered non-ferrous metals, unprocessible or bypass wastes from the facility shall be similarly controlled and directed to minimize interference with waste delivery traffic. All on-site roadways used by haulage vehicles shall be constructed in accordance with standards established for heavy truck usage, and shall be maintained in accordance with these standards. [N.J.A.C. 7:26- 2B.4(b)17]

86. Under no circumstances shall waste be deposited beyond the confines of the refuse pit, except for the purpose of conducting incoming waste load inspections and holding unauthorized materials or storing unprocessible materials such as oversized bulky waste, or unless otherwise approved by the Department. Further exception to this limitation is granted in the case of transfer trailer unloading operations within the tipping hall, where the nature of the operation requires trailer contents to be unloaded onto the tipping floor before the waste is moved into the pit by means of a front end loader. Under such circumstances, the unloading activity being conducted, and the waste materials staged temporarily on the tipping floor, shall not be allowed to restrict the fluid movement of other haulage vehicles into and out of the tipping hall. [N.J.A.C. 7:26- 2]

87. The facility shall not process waste in excess of 451,140 tons per reporting year as determined by means of the facility truck scale records, used in conjunction with a pit level determination made at the beginning of each reporting year to adjust for the storage differential. For the purposes of definition, the reporting period shall begin January 1 and end December 31 of the same year. The facility's rate at which it can process solid waste shall be further limited to a maximum steam production rate of 110 percent of the maximum demonstrated municipal waste combustor unit load [as defined in 40 CFR 60.51b.], or at a rate not to exceed 421,600 pounds per boiler (at a temperature of approximately 750 degrees F and a pressure of approximately 660 psig) over any discrete block four (4) hour period of time (i.e. 12-4 AM, 4-8 AM, 8-12 PM, etc.), whichever is lowest. Each time that the maximum demonstrated municipal waste combustor unit load is determined, the permittee shall report the results in writing to the Division of Solid and Hazardous Waste. [N.J.A.C. 7:26- 2]

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88. A program shall be maintained to detect and remove unauthorized and prohibited wastes from the waste stream entering the facility. This program shall include the recyclables inspection plan included in the approved final O and M manual, the protocol for ID 27 waste acceptance, and at a minimum, shall also include the following steps. The Permittee shall maintain a sign at or near the scale house which clearly indicates acceptable and prohibited waste types. The penalties for false certification and unauthorized waste delivery shall also be included on the sign. Continuous visual monitoring of the incoming waste shall be conducted by both the tipping floor attendant and the crane operators. In addition, random inspections of incoming waste loads shall be conducted. The crane operator and/or tipping floor attendant shall immediately notify the shift foreman or shift supervisor and plant security personnel, should suspect unacceptable waste be discovered. Unauthorized materials found by the visual inspection program shall not be charged to the feed hoppers; appropriate measures shall be taken to remove the materials safely from the refuse bunker. In particular, the crane operators and the floor attendants should be trained to search for, identify and safely remove the following materials: drums or other large metal, plastic or fiberboard containers with unknown contents, bulk sludge(s) or wet solids not characteristic to municipal solid waste, military ordnance or other explosives, large pressurized containers and any suspicious enclosed package. [N.J.A.C. 7:26-2B.8(f)]

89. If suspected hazardous waste, drums, or liquids are found in a load accepted at the facility, such materials shall be segregated and stored in a secure manner. The discovery of any suspected hazardous wastes at the facility shall be immediately reported to the Department at 1-877-927-6337. The Permittee shall secure the name of the collector-hauler suspected of delivering hazardous waste to the facility and related information surrounding the incident, if available, and shall make this information known to the Department's enforcement personnel. Such material may be returned to a known generator, providing that specific permission to do so is received by the permittee after contacting 1-877-927-6337. Otherwise, the permittee shall dispose of the unauthorized waste in accordance with instructions received from the Department. [N.J.A.C. 7:26- 2]

90. Through an effective inspection, planned maintenance, repair and parts replacement program, the facility systems and related appurtenances shall at all times be kept in proper operating order. As a part of this program, the permittee shall maintain an appropriate inventory of spare parts and replacement equipment. [N.J.A.C. 7:26-2B.4(b)25]

91. A major malfunction is defined as an instance whereby a system control, an equipment malfunction, or a malfunction of any instrumentation used to monitor process operations for environmental effects occurs that could result in an impact adverse to the environment or public health and/or that also prevents the continual processing of waste in compliance with this permit. In the case of such a situation, the permittee shall undertake corrective actions immediately and shall notify the Department within the working day. The notification shall include the cause of the malfunction, the corrective action being taken, and the anticipated repair time. [N.J.A.C. 7:26-2]

92. Records of equipment inspection and maintenance shall be maintained centrally in the facility for a minimum of three (3) years from the date of inspection and/or repair. These records shall include the date and time of the inspection, the name of the person conducting the inspection, a notation of the observations and recommendations, and the date and nature of any repairs or other remedial actions taken. [N.J.A.C. 7:26-2]

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93. Routine housekeeping and maintenance procedures shall be implemented within the facility interior to prevent the excess accumulation of dust and debris, and to maintain general cleanliness in the working environment. The tipping floor shall be cleaned at least once daily. Facility exterior grounds shall be maintained in a manner free of litter, debris, and accumulations of unprocessed waste, process residues, and effluents. All paved areas on the facility site, including the access road, shall be swept as often as necessary to minimize the accumulation of dirt, debris, and process residues. [N.J.A.C. 7:26-2]

94. All facility floor drains, traps, sumps or similar catchment basins shall be maintained free of obstructions to facilitate effluent drainage. [N.J.A.C. 7:26-2]

95. Unprocessed waste feedstock and facility process waste residues shall be stored in containers, as specified in the referenced engineering plans. [N.J.A.C. 7:26-2B.8(i)]

96. The exterior facings of all facility buildings or similar structures shall be maintained in a manner in keeping with the original design intent to enhance the appearance of the property. The security fencing and gate controls shall be maintained around the entire facility perimeter. The fencing shall be metallic chain link or its equivalent, and shall extend to a height of at least seven (7) feet. All vegetation planted as part of the landscaping plan shall be maintained and replaced as needed, with the same or similar plant materials. [N.J.A.C. 7:26-2]

97. Wastewater discharges from facility operations and sanitary sources shall only be directed to the system designed and approved for the acceptance of such discharges, and shall comply with the provisions of the agreement between the Permittee and the Camden County Municipal Utilities Authority (CCMUA). [N.J.A.C. 7:26-2]

98. Sludge and solid residues collected from the facility's process wastewater and stormwater settling basins shall be characterized for disposal in accordance with the waste classification requirements at N.J.A.C. 7:26G-1 et seq., and the requirements of the Department's Hazardous Waste Regulation Program. [N.J.A.C. 7:26-2]

99. If a total facility outage occurs, and said outage is determined to be long-term in nature (that is, longer than 3 days), the Permittee shall remove all waste in storage at the facility and dispose of it in a manner consistent with the Camden County District Solid Waste Management Plan as well as any amendment to or approved Administrative Actions concerning such plan, and in compliance with the solid waste regulations found at N.J.A.C. 7:26-1 et seq. [N.J.A.C. 7:26-2]

100. All non-processible waste materials, recovered ferrous metals, recovered non-ferrous metals and process residues shall be stored within the confines of an enclosed facility building at all times prior to removal from the site. Exterior storage of non-processible waste materials, recovered ferrous metals, recovered non-ferrous metals and process residues on the site is expressly prohibited. [N.J.A.C. 7:26- 2]

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101. Storage of ash residue, recovered ferrous metals and recovered non-ferrous metals shall be restricted to the ash load-out building. The ferrous recovery system and non-ferrous recovery system shall be maintained in an operable condition at all times. All material collected by the grizzly scalper shall be conveyed directly into a storage container located inside the grizzly scalper building. Except for those times that an empty container is being placed into the building and a full container is being removed from the building, the doors to the grizzly scalper building shall remain closed. Operations shall be conducted in such a manner as to prevent the migration of residues to the exterior of the grizzly scalper building. Once a container is filled with material from the grizzly scalper, it shall be covered prior to removal from the collection area. The full covered container shall be either transported directly to a recycling or disposal facility, or staged at the designated staging location inside the tipping building until the container can be transported to a recycling or disposal facility. [N.J.A.C. 7:26- 2]

102. Storage of oversized bulky wastes, such as unprocessible "white goods" and bulk quantities of recyclable materials, shall be stored in containers located in designated areas of the tipping hall. [N.J.A.C. 7:26- 2]

103. Overhead (roll-up) doors and personnel doors on buildings shall be closed in the event that airborne dust is observed during facility operations, and these doorways shall remain closed until such time that the fugitive dust condition subsides or is abated. [N.J.A.C. 7:26-2]

104. Copies of any new contracts executed in conformance with Permit Requirement number 43 with the owner(s) of landfills designated to receive bypass waste, non-processible waste, and non-hazardous ash residue, and the haulage firm(s) designated to handle said materials shall be submitted to the Department, when executed. [N.J.A.C. 7:26- 2]

105. The permittee shall implement and maintain a contingency plan for the secure handling, storage, transport and disposal of ash residue that may be found to be hazardous after analysis, and any suspect hazardous waste segregated from the incoming waste received at the facility. As part of the contingency plan, a formal contract shall be executed and maintained with a licensed hazardous waste disposal facility for the purpose of disposing any ash residue generated that may be proven hazardous after analysis, as well as any suspected hazardous waste that may be segregated from the incoming waste received at the facility. Copies of any new contracts shall be submitted to the Department, when executed. [N.J.A.C. 7:26-2]

106. The Permittee shall maintain written procedures for the hazardous waste manifest program that will be followed, in accordance with Federal and State requirements. Ash residue and any unacceptable waste materials that may be found to be hazardous after analysis, shall be transported by a licensed hauler to the licensed hazardous waste disposal facility retained by the Permittee for that purpose. [N.J.A.C. 7:26-2]

107. A finalized plan or program shall be maintained for the secured storage of ash residue, pending the receipt of the analytical results used in the classification of the residue for disposal, during any ash residue re-characterization analysis that may be required. If such storage cannot be accommodated and/or approved by the Department, residue generated during any such re-characterization period shall be manifested and transported as hazardous waste and disposed of in accordance with its classification and the applicable laws in the State of disposal. [N.J.A.C. 7:26-2]

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108. Material sampling methods, sample preservation requirements, sample handling times and decontamination procedures for field equipment shall conform to applicable industry methods as specified in the NJDEP Field Sampling Procedures Manual. Other methods may be used on written approval from the Division of Solid and Hazardous Waste. [N.J.A.C. 7:26- 2]

109. Residual ash from facility operations shall be analyzed in accordance with the following schedule: Confirmatory Toxicity Characteristic Leaching Procedure - Monthly, as described below; Re-Characterization Toxicity Characteristic Leaching Procedure - As required, during a minimum period of 8 weeks, as described below; Total Dioxins and Furans - Samples collected during the period of time encompassing any stack-testing event conducted for dioxins and furans and analyzed using EPA Test Method 1613B, as described below. [N.J.A.C. 7:26-2]

110. During Confirmatory testing, the residual ash generated by the facility shall be sampled in accordance with the following protocol. One sample of sufficient size and of equal proportion shall be collected (as a minimum) every hour. All samples shall be collected from the ash residue conveyors prior to the point of discharge into the ash storage piles. Samples shall contain both bottom and fly ash wastes in a mixed ratio representative of the ash residue slated for disposal. Daily composite samples shall be prepared by combining all samples collected during each day. The resulting daily composite samples shall be further combined into a monthly composite sample. A minimum of four (4) samples shall be taken from the monthly composite for analyses. The following analysis shall be performed on each of the four (4) samples - Toxicity Characteristic Leaching Procedure (TCLP) for the eight heavy metals: As, Ba, Cd, Cr, Pb, Hg, Se, and Ag. [N.J.A.C. 7:26-2B.8(m)]

111. During any stack-testing event measuring dioxin emissions to the atmosphere, at least one sample of sufficient size and of equal proportion shall be collected every hour during the period in which stack testing occurs. All samples shall be collected from the ash residue conveyors prior to the point of discharge into the ash storage piles. Samples shall contain both bottom ash and fly ash in a mixed ratio representative of the combined ash residue slated for disposal. A composite sample representative of the ash residue generated during the stack-testing event shall be prepared by combining all hourly samples collected into a single composite sample. One sample shall be taken from the composite sample and analyzed for total TCDDs (17 2,3,7,8-substituted PCDD and PCDF congeners) using EPA Test Method 1613B. [N.J.A.C. 7:26-2B.8(m)]

112. A new eight-week ash residue characterization period may be required by the Department if there is a significant change in facility processes and/or operations; if there is a significant change in the type of waste(s) received for disposal at the facility; or if the results of the monthly analyses demonstrate that one or more of the parameters exceed the TCLP regulatory limits. Re-characterization analysis will be parameter-specific in the instance where the analysis indicates concentrations in the sample extract are above the defined regulatory threshold for that parameter, resulting in the waste residue requiring reclassification as a hazardous waste. If there is a significant change in facility processes and/or operations, or there is a significant change in the type of waste(s) received for disposal at the facility, then the recharacterization analysis shall include the full spectrum of listed TCLP parameters. [N.J.A.C. 7:26- 2]

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113. During any eight-week re-characterization period, one sample of sufficient size and of equal proportion shall be collected (as a minimum) every hour. All samples shall be collected from the ash residue conveyors prior to the point of discharge into the ash storage piles. Samples shall contain both bottom and fly ash wastes in a mixed ratio representative of the ash residue slated for disposal. Daily composite samples shall be prepared by combining all samples collected during each day. The resulting daily composite samples shall be further combined into a weekly composite sample. A minimum of four (4) samples shall be taken from the weekly composite for analyses. The permittee shall retain an equivalent portion of each weekly composite sample collected during this eight-week period, so that the Department may conduct follow-up analyses when necessary. The samples retained shall be clearly marked for identification, appropriately preserved using approved techniques, and stored at the facility for a period of sixty (60) days from the date the composite sample is transferred to the laboratory for analysis. [N.J.A.C. 7:26-2]

114. During the eight-week residue re-characterization period, each week's ash residue shall be stored separately until the analytical results from that week's composite sample are received, and a determination is rendered on the hazardous or non-hazardous nature of the material. [N.J.A.C. 7:26-2]

115. If the results of the analyses equal or exceed the TCLP parameter-specific regulatory threshold, that ash shall be disposed of at the hazardous waste disposal facility secured by the permittee for that purpose. If the material is determined to be non-hazardous, it shall be disposed of at a landfill permitted to receive waste ID number 27I as defined at N.J.A.C. 7:26-2.13(g), and in accordance with the Camden County District Solid Waste Management Plan, as applicable. [N.J.A.C. 7:26-2]

116. At the completion of the eight-week re-characterization period, the monthly confirmatory ash residue sampling and analysis regimen shall not be re-instituted without express written approval from the Division of Solid and Hazardous Waste. [N.J.A.C. 7:26- 2]

117. All analyses called for as a condition of this permit shall be performed by a laboratory approved, and/or certified by the Department for those specific analyses. The permittee shall submit each set of analytical results, with the appropriate statistical analysis, to the Division of Solid and Hazardous Waste upon the receipt of said results. The following information shall accompany the analytical reports: The date(s), time(s), and place of sampling and analysis; the chain of custody report for all samples collected; the names of the individual(s) who performed the sampling, compositing, and analysis; the sampling and anlytical methods used and/or protocols followed (include the minimum detection levels for the analytical procedures utilized, and in the case of TCLP determinations, include the initial and final pH of the sample); and, the dated signature and certification of the sampling and analytical report by an authorized agent of the permittee. The permittee shall retain all analytical reports at the facility for a period of three (3) years from the date of analysis. [N.J.A.C. 7:26- 2]

118. All truck bodies or containers used to remove ash residue, unprocessible waste materials, recovered ferrous metal and recovered non-ferrous metal shall be sealed to prevent leakage and shall not be filled to levels that permit overflow or spillage during transport. The ash residue and unprocessible waste removal vehicles (truck bodies and/or containers) shall be covered to prevent spillage or scattering by wind during transport. [N.J.A.C. 7:26- 3.4]

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119. Trucks removing recovered metals shall also be covered to prevent spillage during transport; however, those vehicles which are loaded in a manner such that the recovered metal does not extend above the level of the container or truck body are not required to be covered. All vehicles hauling the recovered metals shall be operated in a manner that prevents littering, leakage, spillage or emissions of the recovered metals or the ash residue entrained on the recovered metals. [N.J.A.C. 7:26-2]

120. Truck and/or container loading shall be conducted solely within the confines of the Ash Loadout Building and the Grizzly Scalper Building in a controlled manner that minimizes dusting and the tracking of ash to the exterior of the building. Truck tires shall be inspected and, if necessary to prevent the tracking of ash onto plant roads, shall be washed and/or brushed clean before the trucks leave the loading area. [N.J.A.C. 7:26-2]

121. To the maximum extent possible, ash residue, unprocessible materials, ferrous metal removal operations and non-ferrous metal removal operations shall not interefere with waste delivery traffic on the tipping floor or elsewhere on facility roadways. Temporary interior storage of full containers of scalped material is allowed in designated areas of the tipping floor, in accordance with procedures in the facility's approved operations and maintenance manual. Loads of recovered ferrous metals and recovered non-ferrous metals shall be delivered to the designated facility on the day that they are loaded, in accordance with procedures in the facility's approved operations and maintenance manual. Exterior storage of ash residue, unprocessible materials, recovered ferrous metal or recovered non-ferrous metal in loaded trucks is prohibited. [N.J.A.C. 7:26- 2]

122. In addition to the reporting requirements of Permit Requirement number 28, the permittee shall maintain the following records of facility operations on a daily basis and shall submit a monthly summary report of the daily totals for the reportable items listed below, which shall also include the monthly totals for each item. This report shall be submitted to the following address, before the 20th of the following month: Division of Solid and Hazardous Waste, PO Box 420, Trenton, New Jersey 08625-0420. [N.J.A.C. 7:26- 2]

123. Monthly summary reports shall be signed, certified, and dated by an appropriate authorized agent for the facility. The information submitted shall include, but not be limited to the following: the weight and origin of solid waste delivered to the facility for each waste type permitted by this Permit; the weight of unprocessible solid waste removed for alternate disposal, and the facility receiving that waste for disposal; the weight of ash residue removed for disposal, and the facility(s) receiving the residue for disposal; the weight of recovered ferrous and non-ferrous metal removed, and the facility receiving the recovered material; the quantity of steam generated (in pounds) for each combustion unit over each discrete 4 hour block of time; the allowable 4 hour block maximum steam production rate for the reporting period, as determined in accordance with Permit Requirement number 87; the total electrical energy generated (in kilowatt-hours per day) and the net electrical energy exported. [N.J.A.C. 7:26- 2]

124. Pursuant to N.J.A.C. 7:26-6.4, the monthly summary report shall be supplemented with information regarding the sources of wastes received during the reporting month and the transportation and/or disposal pattern associated with such wastes. [N.J.A.C. 7:26-2]

125. Operations records shall be maintained on the premises for a three-year period, and shall be made available for inspection by Department personnel upon request. [N.J.A.C. 7:26-2B.8(q)]

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126. All printed or electronically recorded records generated by the facility's monitoring and control systems through log printers, strip chart recorders or other means shall also be kept on file at the facility for a period of at least three (3) years from the date of data collection, and such records shall be made available for inspection by the Department upon request. [N.J.A.C. 7:26-2B.8(q)]

127. Under no circumstance shall the Permittee recover metal from fly ash or combined fly and bottom ash. Metal recovery shall be from bottom ash only. [N.J.A.C. 7:26- 2]