DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF SOLID WASTE MANAGEMENT
CN 414, Trenton, NJ. 08625

CERTIFICATE OF APPROVED REGISTRATION AND ENGINEERING DESIGN APPROVAL

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

Warren Energy Resource Company,
Limited Partnership

FACILITY TYPE:	Resource Recovery Facility - Mass Burn Incinerator
LOT NO. (S)	88, 88A, 89, 84, 87
BLOCK NO. (S)	26
MUNICIPALITY	Oxford Township
FACILITY REGISTRATION NUMBER	2117A
EXPIRATION DATE	June 12, 1991

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

This approval shall not prejudice any claim the State may have to Riparian land, nor does it permit the registrant to f ill or alter or allow to be filled or altered, in any way, lands that are deemed to be Riparian, Wetlands, Stream encroachment or flood plains, or within the Coastal Area Facility Review Act (CAFRA) zone and the New Jersey Pinelands Protection Act of 1979 or allow the discharge of pollutants to waters of this State without first acquiring the necessary grants, permits or approvals from the Department of Environmental Protection.

This Certificate of Approved Registration and Engineering Design Approval is non-transferable.

Oct. 15, 1987,

Signed by Albert Montague, P.E., Chief Engineer
Albert Montague, P.E.
Chief Engineer

Certificate-of Approved Registration and Engineering Design Approval for the Warren Energy Resource Company, Limited Partnership Resource Recovery Facility, Oxford Township, Warren County, New Jersey, Facility Application Number 85-44.

This Certificate of Approved Registration and Engineering Design Approval (Certificate) is conditioned upon compliance with and implementation of the following:

1. Permitted Waste Types

The following materials may be accepted for disposal at this facility:

TYPE	WASTE
10	Municipal waste (household, commercial and institutional)
23	Vegetative waste
27	Dry industrial waste (except those prohibited subcategories listed below)

2. Prohibited Waste Types

The following materials are specifically prohibited for disposal at this facility:

TYPE	WASTE
12	Dry sewage sludge
13	Bulky waste
25	Animal and food processing waste
27	Dry industrial waste (specifically the following subcategories only: asbestos and asbestos containing wastes and hazardous waste as defined in N.J.A.C. 7:26-1.4,N.J.A.C. 7:26-8 and 40 CFR 261 which is generated by small quantity generators [7:26-8.3])
72	Bulk liquid and semi-liquids
73	Septic tank cleanout wastes
74	Liquid sewage sludge

3. Referenced Engineering Plans

The construction and operation of this facility-shall be in accordance with the provisions of X.J.A.C. 7:26-1 et seq. and the following submissions:

a. "Engineering Design Submittal for Thermal Destruction Facilities to the State of New Jersey, Department of Environmental Protection, Division of Waste Management for Warren County New Jersey Resource Recovery Project," August 15, 1985; prepared by Warren Energy Resource Company, Limited Partnership, as Owner and Operator and Blount Engineers, Inc. as Architect/Engineer.

b. "Final Environmental and Health Impact Statement for the Proposed Resource Recovery Facility, Warren County, New Jersey - Volume I"

August, 1985; issued by Warren County Pollution Control Financing Authority; prepared by Metcalf & Eddy, Incorporated/Engineers.

c. "Final Environmental and Health Impact Statement for the Proposed Resource Recovery Facility, Warren County, New Jersey - Volume II," August, 1985; issued by Warren County Pollution Control Financing Authority; prepared by Metcalf & Eddy, Incorporated/Engineers.

d. "Final Environmental and Health Impact Statement for the Proposed Resource Recovery Facility, Warren County, New Jersey Appendices," August 1985; issued by Warren County Pollution Control Financing Authority; prepared by Metcalf & Eddy, Incorporated/Engineers.

e. The following drawings prepared by Blount Engineers, Inc. Architects/Engineers, sealed and signed by Alfred M. Entenman, Jr., N.J.P.E. License No. 17663, prepared August 18, 1985 and submitted on August 29, 1985:

WC-02-30-02 Rev. 1
Overall Site Boring Plan

f. "Warren Energy Resource Co., Limited Partnership - Blount Energy Resource Corporation, General Partner - Warren County New Jersey Resource Recovery Project - Air Permits Application Nonattainment Review" dated October 23, 1985; prepared and submitted by Warren Energy Resource Company, Limited Partnership and Blount Energy Resource Corporation, General Partner.

g. "Amendments to the Engineering Package" dated October 29, 1985; prepared and submitted by Blount Energy Resource Corporation, Limited Partnership and Warren County Resource Company, Limited Partnership.

h. The following drawings prepared by Blount Engineers, Inc. Architects/Engineers, sealed and signed by Alfred M. Entenman, Jr. N.J.P.E. License No. 17663, revised October 28, 1985 and submitted October 31, 1985:

WC-02-10-03 Rev. C.
Key Plan

i. "Final Environmental and Health Impact Statement and Engineering Design Submittal Response Document" dated December 20, 1985; prepared by Metcalf & Eddy, Incorporated/Engineers and Blount Energy Resource Corporation; submitted by the Pollution Control Financing Authority of Warren County and Blount Energy Resource Corporation.

j. The following drawings prepared by Blount Engineers, Inc. Architects/Engineers, sealed and signed by Alfred M. Entenman, Jr. N.J.P.E. License No. 17663, revised December 19, 1985 and submitted December 20, 1985:

WC-01-01-02-B Rev. C.
Simplified Mass Balance (6/28/85)

WC-01-01-03-A Rev. D.
Water Balance Diagram - NCR (7/11/85)

WC-01-01-04-A Rev. C.
Environmental Control System Mass Balance (6/28/85)

WC-01-01-05-A Rev. D.
Water Balance Diagram By-Pass Mode (7/11/85)

WC-01-02-01-B Rev. 2.
Energy Balance Diagram - MCR (7/11/85)

WC-01-02-02-B Rev. C.
Energy Peak Balance Diagram (7/11/85)

WC-02-19-29-A Rev. B.
Runoff Hydrographs 100 Year Storm Initial Site Conditions (12/5/85)

WC-03-40-03 Rev. D.
General Arrangement Building Plan Ground Floor

k. "Amendments to the Final Environmental and Health Impact Statement and Engineering Design Submittal Response Document (dated December 20, 1985)" dated December 27, 1985; prepared by Metcalf & Eddy, Incorporated/Engineers.

1. "Response 14b, Noise Interior Attenuation, Revised Pages 14b-2 and 14b-3" dated January 4, 1986; prepared by Blount Engineers Incorporated - Architects/Engineers.

m. "Final Environmental & Health Impact Statement and Engineering Design Submittal Response Document II" dated February 14, 1986; prepared by Metcalf & 'Eddy, Incorporated/Engineers and Blount Energy Resource Corporation; submitted by the Pollution Control Financing Authority of Warren County and Blount Energy Resource Corporation.

n. "Supplementary Documents to the Engineering Design Submittal for Thermal Destruction Facilities for Warren County New Jersey Resource Recovery Project Submitted August 15, 1985 - Amendment 311 dated February 24, 1986; prepared by Warren Energy Resource Company, Limited Partnership and Blount Engineers, Inc. Architects/Engineers.

o. The following drawings prepared by - Blount Engineers, Inc. Architects/Engineers, sealed and signed by Michael D. Challis N.J.P.E. License No. GE 30877, revised February 24, 1986 and submitted February 25, 1986:

WC-02-10-01 Rev. E.
Vicinity Plan

WC-02-10-06 Rev. A.
Existing Site Drainage Patterns

WC-02-11-01 Rev. F.
Site and Area Plan

WC-02-11-22 Rev. A.
Traffic Plan

WC-02-19-33-A Rev. C.

Runoff Hydrographs 100-Yr. Storm
During Construction - After
Outlet Controls

p. Technical specifications documents prepared by Blount Engineers, Inc. - Architects/Engineers, submitted March 11, 1988, as follows:

"Technical Specifications No. 02-3 for Refuse Crane for Warren County New Jersey Resource Recovery Project, Warren County, New Jersey for Warren Energy Resource Co., L.P.," revised November 26, 1986.

"Technical Specification No. 05-1/9 (conformed for contract) for Boiler/Furnace Unit with External Economizer for Warren County New Jersey Resource Recovery Project, Warren County, New Jersey for Warren Energy Resource Co., L.P.," revised May 23, 1986.

"16214 Technical Specification No. 12-1(a) for Turbine-Generator (Gear Driven) for Warren County, New Jersey Resource Recovery Project, Warren County, New Jersey for Warren Energy Resource Co., L.P.," revised March 20, 1987.

"Technical Specification No. 08-2/9 Air Quality Control System for Warren County New Jersey Resource Recovery Project, Warren County, New Jersey, Warren Energy Resource Co., L.P.," revised June 16, 1987.

q. Supplemental Information regarding the residue ash sampling facilities at the Warren County New Jersey Resource Recovery Project, prepared by Blount Energy Resource Corporation, dated March 14, 1988.

r. Supplemental information prepared by Warren Energy Resource Company, Limited Partnership,: "Attachment A," dated March 30, 1988.

s. "Warren County New -Jersey Resource, Recovery Project - Additional Information - Amendment to Engineering Design Submittal for Thermal Destruction Facilities," dated June 1, 1988; prepared by BEI Associates - Architects and Engineers.

t. The following drawings prepared by Blount Warren Energy Resource Co., Limited Partnership, sealed and signed by Michael D. Challis, N.J.P.E. License No. GE 30877, dated June 1, 1988:

WC-01-01-01 Rev. 2
Plant Systems Flow Diagram

WC-01-03-02 Rev. 8
Piping and Instrument Diagram Boiler No. 1
Combustion Train Related

WC-01-03-03 Rev. 9
Piping and Instrument Diagram Cooling
Water Systems

WC-01-03-04 Rev. 8
Piping and Instrument Diagram Steam,
Condensate and Feedwater Auxiliary
Boiler Related

WC-01-03-05 Rev. 8
Piping and Instrument Diagram Steam,
Condensate and Feedwater Boiler No. I Related

WC-01-03-06 Rev. 8
Piping and Instrument Diagram Steam
Condensate and Feedwater Boiler No. 2
Related

WC-01-03-07 Rev. 10
Piping and Instrument Diagram Steam,
Condensate Feedwater Turbine Related

WC-01-03-08 Rev. 9
Piping and Instrument Diagram
Steam, Condensate and Feedwater Hotwell Related

WC-01-03-09 Rev. 10
Piping and Instrument Diagram
Steam, Condensate and Feedwater Heater Related

WC-01-03-10 Rev. 8
Piping and Instrument Diagram
Boiler No. 2 Combustion Train Related

WC-01-03-12 Rev. 4
Piping and Instrument Diagram
Boiler Chemical Treatment System

WC-01-03-13 Rev. 5
Piping and Instrument Diagram
Cooling Tower Chemical Treatment System

WC-01-03-15 Rev. 12
Piping and Instrument Diagram
Fire Protection Water System

WC-01-03-16 Rev. 9
Piping and Instrument Diagram
Air Compressor Dryer System

WC-01-03-17 Rev. 7
Piping and Instrument Diagram
Fuel Oil Transfer System

WC-01-03-18 Rev. 6
Piping and Instrument Diagram
Instrument Air Distribution

WC-01-03-19 Rev. 5
Piping and Instrument Diagram
Plant Air Distribution

WC-01-03-20 Rev. 8
Piping and Instrument Diagram
Chute Cooler & Quench Water System

WC-01-03-21 Rev. 9
Piping and Instrument Diagram

Service Water System

WC-01-04-01 Rev. I
Standard Symbols and Abbreviations

WC-01-04-02 Rev. I
Electrical Legend and Symbols

WC-0l-51-01 Rev. 5
One Line Diagram
Overall Electrical System

WC-O1-51-04 Rev. 5
UPS System One Line Diagram

WC-02-ID-02 Rev. 0
Existing Grades & Boring Locations

WC-02-11-02 Rev. 10
Facility-Site Area Use Plan
WC-02-11-05 Rev. 6
Erosion Control Plan and Details

FC-02-11-09 Rev. 15
Grading Plan and On-Site Underground
Utilities Plan - North

WC-02-11-10 Rev. 16
Grading Plan and On-Site Underground
Utilities Plan -Central

WC-02-11-11 Rev. 7
Grading Plan and On-Site Underground
Utilities Plan - South

WC-02-11-12 Rev. 4
Grading Plan Details

WC-02-11-18 Rev. 2
Site Plan of Access Road to River and
Easement Areas

WC-02-11-19 Rev. 7
Site Grading Sections and Details

WC-02-11-20 Rev. 2
Site Cross Sections (1 of 2)

WC-02-11-21 Rev. 4
Site Cross Sections (2 of 2)

WC-02-11-25 Rev. 5
Main Access Road and Sewer Line
Plan and Profile STA 0+00 to 24+00

WC-02-11-26 Rev. 4
Main Access Road and Sewer Line
Plan and Profile STA 24+00 to 37+00 (R)
STA 24+00 to 27+28.04 (S)

WC-02-11-27 Rev. 4
Main Access Road and Sewer Line
Plan and Profile STA 37+00 to Contract End

WC-02-11-28 Rev. 3
Main Access Road and Sewer Line
Plan and Profile STA 27+28.04 (S) to
STA 50+00 (S)

WC-02-11-29 Rev. 2
Main Access Road and Sewer Line
Plan and Profile STA 50-00 (S) to
STA 56+96.35 (S)

WC-02-11-31 Rev. 3
Excavation Plan

WC-02-11-32 Rev. 3
Main Access Road and Sewer Line
Sections and Details

WC-02-11-33 Rev. 4
Miscellaneous Details

WC-02-11-34 Rev. 3
Main Access Road Cross Sections
STA 0+00 to STA 15+00

WC-02-11-35 Rev. 3
Main Access Road Cross Sections
STA 16+00 to STA 31+00

WC-02-11-36 Rev. 1
Main Access Road Cross Sections
STA 32+00 to STA 47+00

WC-02-12-09 Rev. 8
Sewer Profile and Details

WC-02-12-10 Rev. 2
Profile Sanitary Sewer Force Main

WC-02-12-11 Rev. 2
Sanitary Sewer Cross Sections
STA 29+00 (S) to STA 56+96.35 (S)

WC-02-14-01 Rev. 2
Site and Landscape Plan

WC-02-30-01 Rev. 4
Facility Site Boring Plan

WC-03-21-07 Rev. 8
Facility Elevations

WC-03-40-01 Rev. 14
General Arrangement Overall Plan

WC-03-40-02 Rev. 9
General Arrangement Overall Section

WC-03-40-04 Rev. 7
General Arrangement Building Plan -
Operating Floor

WC-03-40-05 Rev. 4
General Arrangement Building Plan
Charging Floor

WC-03-40-06 Rev. 5
General Arrangement Building Section
Looking East

WC-03-40-07 Rev. 4
General Arrangement Building Section
Looking South

WC-03-60-36 Rev. 1
Weather Station

WC-04-03-01 Rev. 4
Piping and Instrument Diagram
Air Quality Control System Boiler Train #1 Related

WC-04-03-02 Rev. 4
Piping and Instrument Diagram
Air Quality Control System Boiler Train #2 Related

WC-04-03-03 Rev. 3
Piping and Instrument Diagram Air Quality
Control System Lime Preparation Unit Related

WC-04-31-01 Rev. 7
External Economizer, Spray Dryer, Bag House,
Fan, and Stack Foundation Details

WC-04-40-05 Rev. 0
Boiler Ash Handling - General Arrangement Plan
and Elevation

WC-04-40-06 Rev. 1
Flyash and Particulate Handling, General
Arrangement Plan and Sections

WC-05-03-02 Rev. 1
Process and Instrumentation Diagram for
Boiler Train No. I Related Ash and Residue
Handling Equipment

WC-05-03-03 Rev. 2
Process and Instrumentation Diagram
Ash and Residue Handling Related

WO-05-21-01 Rev. 12
Residue Handling Facilities -
Plan, Elevation Building Section

WC-05-21-02 Rev. 8
Residue Handling Facilities Roof Plan,
Building Sections

WC-05-21-03 Rev. 10
Residue Handling Facilities Building
Elevations and Details

WC-05-21-04 Rev. 7
Residue Handling Facilities -
Sections and Details

WC-05-21-05 Rev. 8
Residue Handling Facilities -
Sections and Details

WC-05-40-02 Rev. 2
Residue Transfer System General
Arrangement Plan and Elevation

WC-05-40-03 Rev. 4
Residue Handling, Mixing and Loading
General Arrangement Plan and Elevations

WC-05-40-04 Rev. I
Residue Handling General Arrangement
Sections and Details

WC-05-54-01 Rev. 5
Electrical Trays and Conduits
Residue Handling Facilities

WC-05-55-01 Rev. 3
Residue Handling Facilities Lighting Plan
and Page Party System

In case of conflict, the most recent revisions and supplemental information shall prevail over prior submittals and designs, and the conditions of this Certificate shall supersede those of the engineering design and environmental impact statement referenced above.

4. Facility Pre-construction Requirements

Prior to initiating any site preparation work for facility construction, the Registrant shall comply with the following:

a. The real property to be used for facility construction shall be legally acquired by the Registrant, or a legal agreement (e.g. a legal lease agreement) to use the real property in question for the intended purpose shall be obtained. Proper documentation of - legal ownership or use shall be submitted to the Department prior to initiating any site preparation work for facility construction.

b. Soil Erosion and Sediment Control Plan approval for the facility shall be secured from the Warren County Soil Conservation District. One (1) copy of the Soil Erosion and Sediment Control Plan of record and documentation of its approval shall be forwarded to the Department prior to initiating any site preparation work for facility construction.

c. Long-term contractual agreements for the purchase by the Jersey Central Power and Light Company of the entire electrical power output generated from the resource recovery facility's operation shall be secured by the Registrant. A COPY of the finalized

purchase agreement shall be submitted to the Department prior to initiating any site preparation work for facility construction. The purchase agreement shall be definitive in terms of the length of agreement, quality specifications for the product to be purchased, quantity of the product to be delivered including product delivery scheduling and responsibilities for delivery, and the pricing basis to be paid by the purchaser.

d. Access Road and Route N.J. 31 Improvements Construction Plan approval from the Region I Design Office of the New Jersey Department of Transportation shall be acquired by the Registrant. One (1) copy of the Access Road and Route N.J. 31 Improvement Plan of record and documentation of its approval shall be forwarded to the Department prior to initiating any site preparation work for facility construction.

e. Stream Encroachment Permit approval from the Warren County Engineer's Office shall be acquired by the Registrant. A copy of the approved permit shall be forwarded to the Department prior to initiating any site preparation work for facility construction.

5. Air Pollution Control

The Registrant shall operate and maintain the combustion system and air pollution control equipment in full compliance with the facility's "Permit to Construct, Install, or Alter Control Apparatus or Equipment and Certificate to Operate Control Apparatus, or "Equipment and Prevention of Significant Deterioration Permit" issued by the Division of Environmental Quality.

6. Water Allocation Diversion Permit

The Registrant shall comply with the provisions of the "Water Allocation Diversion Permit" issued by the Division of Water Resources pursuant to N.J.S.A. 58:1A-1 et seq.

7. New Jersey Pollutant Discharge Elimination System (NJPDES) - Significant Indirect Discharge (SIU), Discharge to Ground Water (DGW), and Discharge to Surface Water (DSW)

The Registrant shall comply with the provision of the "NJPDES-SIU, DGW and DSW Permit" number NJ0062065 issued by the Division of Water Resources pursuant to N.J.S.A. 58:10A-1 et seq.

8. Facility Construction Phase

During the facility construction phase- the Registrant shall implement the following procedures in order to minimize vehicle and equipment noise, dust generation and construction vehicle traffic impacts:

a. Exhaust silencers shall be maintained on all heavy construction equipment.

b. Unnecessary idling of said equipment shall be prohibited;

c. Only noise attenuated air compressors shall be utilized;

d. Pile driving and all other major noise producing construction activities shall be confined to the working hours of 7:00A.M. to

10:00 P.M., as shall be construction activities occurring near the facility perimeter;

e. Pneumatic tools shall be required to have discharge mufflers;.

f. Efforts shall be made to complete construction of the facility access road to Route N.J. 31 prior to initiating major construction activities on the site. The access road shall be rendered useable for heavy equipment and materials transport. . - The access road shall be surfaced during the facility construction phase in a manner that prevents the generation of. dust and the accumulation of surface water during its use. Once the access road to Route N.J. 31 is placed into service for this purpose, all use of Edison Quarry Road and Mt. Pisgah Avenue for the delivery of materials to the site and the removal of materials from the site shall cease. The Registrant shall be responsible for informing all contractors of this requirement and assumes responsibility for assuring conformance;

g. Vehicles transporting loose or fine-aggregate materials shall be covered and loading and unloading operations shall be controlled;

h. Vehicle speed on-site shall be controlled, and on-site dirt roadways shall be watered when necessary to minimize dust generation;

i. Open storage areas containing fine or unbound materials shall be covered or watered to minimize dust generation, as needed;

j. The tracking or other means of transporting dirt/dust onto paved Public access roads shall be minimized and the Registrant shall be responsible for prompt cleanup of any such accumulations; and

k. All waste materials present on the site prior to Construction, as well as waste materials generated by clearing and demolition activities and by facility construction shall be handled, stored and disposed of in accordance with both the Department's rules and regulations as well as those of the local Board of Health, and in conformity with the a local Board of Health, and in conformity with the approved Warren County Solid Waste Management Plan.

9. Refuse Storage Pit

The refuse storage pit shall be appropriately waterproofed as is deemed necessary, to prevent the infiltration of groundwater.

10. Operations and Maintenance Manual

A written operations and maintenance (O & M) manual shall be developed and maintained at the facility. The Final 0 & M Manual shall be submitted to the Department no later than three (3) months prior to initiating the facility start-up and shakedown period. Start-up/shakedown operations shall not be initiated until formal approval of the submitted Final 0 & M Manual is granted by this Department.

The 0 & M Manual shall include the following:

a. A description of the proposed procedures for the operation of each major facility component;

b. Procedures to be followed during facility start-up;

c. Procedures to be followed during the planned and unplanned shutdown of facility operations;

d. Facility operations monitoring procedures, including the final process control measurement and instrumentation plan;

e. Facility security methods including the use of communications and alarm systems;

f. An inspection plan, which shall include a schedule for inspecting all applicable aspects of facility operations necessary to ensure maximum facility availability and compliance with the conditions of this Certificate. The frequency of inspection shall be based on the rate of potential equipment deterioration or malfunction and the probability of an adverse incident occurring if the deterioration or malfunction goes undetected between inspections. Areas of the facility subject to spills (loading and unloading areas) and areas In which adverse Environmental or health consequences may result if breakdown occurs shall be inspected daily, when in use. The inspection plan shall include a schedule for inspecting monitoring, safety and emergency equipment, security devices and process operating and structural equipment. The plan shall identify the types of problems which are to be looked for during the inspection, and the frequency of inspections;

g. A maintenance plan, which shall include a failure analysis for the facility operation, an analysis of spare parts inventory needs, schedules for anticipated repairs or major equipment replacement, and maintenance contracts with equipment dealers to supply standby or emergency equipment;

h. A description of the proposed measures to protect facility and other personnel from injury during operation;

i. A description of the proposed measures to control noise, litter, odor, rodents and insects at the facility;

j. A description of the proposed measures to handle incoming waste flow during periods of emergencies and/or equipment breakdown or shutdown

k. A description of the proposed equipment and procedures to be utilized in preventing and fighting fires;

1. A contingency plan which delineates procedures for responding to fire, explosions or any unplanned sudden or non-sudden releases of harmful constituents to the environment. Copies of the contingency plan shall be submitted to the local police and fire departments, the local and county health departments and offices of emergency management.

The contingency plan shall contain a description of the actions facility personnel shall take in the event of various emergency situations; a description of arrangements made with the Department and local police and fire departments which allow for immediate entry into the facility by their authorized representatives should the need arise, such as in the case of response personnel

responding to an emergency situation, and; a list of names, addresses and telephone numbers (office and home) of all persons qualified to act as an emergency coordinator for the facility. The list shall be kept up to date. Where more than one person is listed, one shall be named as a primary emergency coordinator and others shall be listed in the order in which they will assume responsibility as alternates.

Any subsequent changes to be made to the approved Final O & M Manual by the Registrant shall not be implemented until approved by the Department.

11. Facility Staffing

The facility shall maintain sufficient trained staff 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 manner as to ensure the facility's compliance with applicable Department regulations and permits, the conditions of this approval and all other permits or approvals issued to the facility, and the safe operation of the specific processes utilized at the facility.

Each scheduled shift shall have a fully trained and qualified shift foreman or shift supervisor who is designated authorized by the owner/operator to direct and implement all operational decisions during that shift and who shall also serve as the designated emergency coordinator for the implementation of any emergency procedures in accordance with Condition number 32 of this approval. The facility's plant manager and/or operations manager shall also remain on-call at all times to provide assistance during emergency situations.

12. Facility Staffing Plan

A written facility staffing plan shall be developed by the Registrant and shall be included as a section of the Final Operations and Maintenance Manual prepared in accordance with Condition Number 10 of this Certificate. The staffing plan shall contain the following information:

a. The job title for each position at the facility;.

b. A written Job description for each Position, including duties and performance standards. The description shall include the requisite skills education, and other qualifications deemed necessary of employees assigned-to each position;

c. An explanation of the criteria and reasons used in selecting the required number and types Of positions; and

d. A statement of the staffing provided for each operating shift, including the job titles and number of employees per each title per shift.

13. Facility Personnel Training

The Registrant shall comply with the following requirements pertaining to facility personnel training:

a. All personnel who are directly involved in facility waste management activities or who operate, services or monitor any facility equipment machinery or systems shall successfully complete an initial program of classroom instruction and/or on-the-job training that includes instruction in the operations 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 he facility's compliance with the requirements of N.J.A.C. 7:26-1 et seq. and the conditions of all Departmental permits issued to this facility.

b. The training program shall be directed by a person thoroughly familiar with the technology being utilized at the facility, the applicable waste regulations contained within N.J.A.C. 7:26-1 et seq., and the conditions of the facility's permits.

c. 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, machinery and monitoring systems (including any emergency equipment), the use of communications and/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.

d. Facility personnel shall successfully complete the initial training program within six (6) months after the date of their employment or assignment to the facility. Employees shall not work in unsupervised positions until they have completed the training program required herein.

e. Facility personnel shall take part in a planned annual review of the initial training program.

f. 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 (1) year from the date the employee last worked at the facility.

g. The Registrant shall prepare a written training plan which includes the type and amount of both the initial and follow-up training to be provided to facility personnel. This written plan shall be included as a section of the Final Operations and Maintenance Manual prepared in accordance with Condition Number 10 of this Certificate.

14. Certification of Construction

The Registrant shall retain the services of a licensed professional engineer registered in the State of New Jersey to supervise the construction of the facility and who shall certify in writing to the Department subsequent to completion of the facility construction phase and prior to the initiation of the testing phase, that he/she has personally examined each major stage of facility construction, and that the facility has been constructed in accordance with the documents,

statements, designs and plans submitted in whole, or as a part of the application, as approved by the Department.

All certifications shall bear the raised seal of the Licensed professional engineer, his signature, and the date of certification. The certification shall include the following statement: "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, I believe the submitted information is true,' accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

15. Facility Start-Up and Shakedown

The Registrant shall not initiate commercial operations at the facility until such time that a suitable start-up and shakedown period has demonstrated that the facility, as constructed, will operate in a satisfactory manner in conformance with the operating standards as contained in the documents, statements, designs, and plans submitted as approved by the Department and in compliance with the conditions of this approval. The Registrant shall notify the appropriate Department personnel in writing, thirty (30) days prior to the initiation of the facility start-up and shakedown .period.

16. Waste Delivery Schedule

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

7:00 A.M. to 5:00 P.M. Monday - Friday
7:00 A.M. to 12:00 P.M. Saturday

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.

Collection/haulage vehicles delivering waste to the facility shall .be restricted to using solely the Route N.J. 31 access road. Waste delivery collection/haulage vehicle departure shall be similarly restricted unless directed to the Warren County landfill.

17. Haulage Vehicles

The Registrant shall allow only vehicles properly registered with the Department for the transporting of wastes, to deliver and deposit wastes at the facility, or to remove residues or unprocessible materials from the facility.

The Registrant shall act to prevent the continued acceptance of any haulage vehicles not equipped with exhaust silencer systems or that create excessive noise, by notifying the vehicle owners of the potential violation and by reporting these vehicles to the appropriate local authorities for enforcement action.

18. Waste Delivery Haul Routes

The Registrant shall aid and assist Warren County, to the extent possible, in ensuring that the designated primary refuse truck delivery

routes from each collection area served by the facility are adhered to as described in the approved Warren County Solid Waste Management Plan.

19. On-Site Traffic Control

On-site traffic control measures shall be implemented to provide for orderly vehicle movement on the facility grounds. The measures implemented shall include the appropriate use of lane delineations, signals, signs, barriers or any combination thereof to the ensure a one-way flow of traffic through the scale to the tipping building/floor and exiting the facility as delineated on the plan drawing as approved by the Department. All on-site roadways used by refuse vehicles shall be constructed, paved and maintained to withstand heavy truck usage.

20. Waste Acceptance and Processing Rates

At no time shall wastes be delivered to the facility at a rate exceeding the facility's capacity to store and process such waste. Waste storage is allowed in only those areas specifically identified in the design for such purposes. Under no circumstances shall waste be deposited beyond the confines of the refuse storage bunker.

The facility shall not process waste at a rate greater than 9.333 tons per hour per unit, or at a heat release rate exceeding 2141.2×10^6 Btu per unit per twenty-four (24) hour operating day and 98.9×10^6 Btu per hour per unit for any given one (1) hour period within the twenty-four (24) hour operating day, whichever is more limiting.

21. Unauthorized Waste

A program shall be established and maintained to detect and remove unauthorized wastes from the waste stream entering the facility. At a minimum, the program shall include the following:

a. Identification of all haulers handling waste type 27 and a determination of the sources of type 27 waste materials. All firms capable of generating type 27 waste within the service area shall be notified and required to provide appropriate descriptions of the waste which they generate.

   Specific type 27 sources shall be excluded for disposal at the . facility in accordance with the prohibited subcategories of type 27 waste listed in Condition Number 2 of this Certificate. Appropriate chemical analyses shall be conducted on those sources questionable for disposal.

b. Continuous visual monitoring of the discharged waste shall be conducted by the crane operators. The crane operator shall take immediate action to notify the weighmaster and/or plant security personnel should suspect unacceptable waste be discovered being unloaded into the refuse bunker. The following materials shall be removed from the refuse bunker if found by the visual inspection program:

   - Drums or other large steel, metal or plastic containers.
   - Bulk sludges or wet solids not characteristic to municipal solid waste.
   - Large amounts of oil. or liquid soaked solids or sorbents.

- Military ordnance or other explosives.
- Large pressurized containers.
- Any suspicious enclosed industrial packaging.

Any suspected hazardous waste, drums, or liquids found in a load at the facility shall not be returned to the generator. Such material shall be segregated and stored in a secured manner and the discovery of any suspected hazardous wastes at the facility shall immediately be brought to the attention of the Division of Waste Management Field Operations Headquarters at (609) 588-3400.

22. Maintenance and Repair

Through an effective inspection, planned maintenance re pair and parts replacement program, the facility systems and related appurtenances shall at all times be kept in proper operating order. As part of this program, the Registrant shall maintain an inventory of spare parts and replacement equipment. Malfunction of instrumentation used to monitor process operation for environmental effects shall be considered a major equipment malfunction as defined in Condition Number 32 of this approval, and actions shall be taken accordingly.

The results of all inspections shall be recorded in a bound inspection log. These records shall be maintained at the facility for a minimum of five (5) years from the date of inspection. 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. These records shall be made available for Inspection by the appropriate representatives of the Department upon request.

23. Housekeeping

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, an accumulations of unprocessed wastes process end products and residues. A11 paved areas on-site shall be swept on a routine basis and the access road intersection with Route N.J. 31 shall be policed regularly to minimize the accumulation of dirt and debris on the paved surfaces and adjacent roadway shoulders.

Unprocessed waste feedstocks, facility process waste residues and wastewater effluents stored in pits, bins, sumps or similar vessels shall at all times be kept at levels that prevent spillage or overflow.

All facility floor drains, sumps or similar catchment basins shall be maintained free of obstructions to facilitate effluent drainage.

24. Building Exterior Facings and Landscaping

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.

All vegetation planted as part of the original landscaping plan shall be maintained and replaced as needed.

25. Wastewater Disposal

Wastewater discharge generated from facility operations shall be directed solely to the system designed and approved for the acceptance of such discharge in accordance with the Significant Indirect Discharge (SIU) Permit referenced in Condition Number 7.

26. Noise Control

Noise Control shall be implemented so that sound levels generated by the facility operation shall not exceed the standards set forth by the New Jersey State Noise Control Regulations under N.J.A.C.7:29-1 et seq.

As part of this program, the Registrant shall implement noise abatement provisions at the facility which shall include, but not be limited to, the following:

a. The procurement of low-noise emission equipment that meet or operate below the sound level projection specifications as set forth in the engineering design and environmental impact statement referenced in-Condition Number 3;

b. The use of building wall materials in facility construction to provide appropriate sound absorption and isolation;

c. The installation of sound attenuating mufflers on all major steam safety release valves; and

d. Any other methods that may be needed to assure compliance with N.J.A.C. 7:29-1 et seq.

During the first thirty (30) days of full-scale operations, following the start-up and shakedown period, the Registrant shall conduct an adequate sound level. survey to determine the facility's compliance with the property line sound level limits specified in N.J.A.C. 7:29-1 et seq. The survey shall be conducted during those time periods most representative of full-scale facility operations, and shall be managed by a firm qualified to conduct sound level surveys.

A detailed report outlining the survey methods, procedures, equipment utilized and results obtained shall be submitted to the Department within thirty (30) days of the completion of the survey.

27. Odor Control

The operation of this facility shall not result in odors associated with solid waste being detected off-site by sense of smell in any area of human use or occupancy.

To the extent feasible, the tipping floor entrance and exit doors shall remain closed at all times other than the normal, scheduled refuse truck delivery hours.

The refuse Storage pit and tipping area shall b e maintained at a negative internal pressure to prevent the release of odors to the ambient air. Air drawn off from these areas shall be utilized in the combustion chambers.

If a facility outage or other condition results :in a detectable off-site odor emission problem, a commercial/industrial strength odor-masking agent shall be applied in the refuse bunker area. In the case where a total facility outage occurs, and said outage is determined to be long-term in nature (that is, longer than five (5) days), the Registrant shall remove all waste in storage at the facility and dispose of it at the appropriate disposal facility.

28. Vermin Control

The Registrant shall institute and maintain an effective vermin control program at the facility, directed by a qualified applicator of pesticides in accordance with Pesticide Control Code N.J.A.C. 7:30-1.1 et seq.

29. Fire Protection

The fire detection and protection system shall be maintained in operable condition at all times. Fire-fighting equipment shall be available on-site or on call to extinguish any and all fires. Fire-fighting procedures shall be posted, and shall include the telephone numbers of local fire, police, ambulance and hospital facilities.

30. Safety Procedures

The Registrant shall follow the Occupational Safety and Health Administration (OSHA) standards in the operation of this facility for the safety of employees and for other persons entering the premises. A copy of the operating safety procedures shall be posted on-site. Additionally, facility staff shall be trained to effectively respond to any equipment malfunction or emergency situation that may arise. This instruction shall include, where applicable:

a. The use of personal safety equipment;

b. Procedures for inspecting and repairing facility equipment, machinery, and monitoring systems, including any facility emergency equipment;

c The use of communications or alarm systems;

d. The procedures to be followed in response to fires, explosions, or uncontrolled pollutant discharges; and

e. The procedures to be followed during planned or unplanned-shutdown of operations.

31. Cooling Tower Operation

The four-cell wet cooling tower operation shall be modulated in such a manner as to minimize ground level vapor plume impacts on adjacent roadways. In this regard the cooling tower fans shall be operated at full speed should relative humidities reach eighty percent (80%) or greater with ambient temperatures at or below thirty-five degrees Fahrenheit (35° F) and prevailing winds are blowing from the facility in the direction of Mt. Pisgah Avenue or Edison-Quarry Road at a velocity of fifteen (15) miles per hour or greater.

32. Emergency Situations

An emergency Situation is defined as the occurrence of a fire, explosion, or uncontrolled pollutant discharge to the environment. In the case of an emergency, the plant operator or the emergency coordinator identified in the contingency plan shall implement the following actions:

a. 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.

b. 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.

c. 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 shall immediately notify appropriate local authorities and immediately notify the Department at (609)292-7172.

   When notifying the Department, report the type of substance and the estimated quantity discharged, if known, the location of the discharge, actions the person reporting the discharge is currently taking and/or proposing to take in order to mitigate the discharge, any other information concerning the incident which the Department may request at the time of notification. An assessment shall be made by the Department @and/or the local authorities regarding the possible need for evacuation of local areas.

   Nothing in this condition shall be deemed to supersede any notification required pursuant to the Spill Compensation and Control N.J.S.A. 58:10.23 et seq. Hazardous Substance Discharges: Reports and Notices, N.J.A.C. 7:1-7, or the air pollution notification required pursuant to P.L. 1985, c.12.

d. 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 must include, where applicable, the cessation of process operations and shall involve the collection and containment of released waste.

e. 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

f. The Plant operator or emergency coordinator shall ensure 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.

g. The Plant operator or emergency coordinator shall notify the Department and appropriate local authorities when operations in the affected area(s) of the facility have returned to normal.

Within fifteen (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 includes 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 cleanup the affected area and prevent a recurrence of a similar incident; and, an implementation schedule for undertaking longer term measures to effect cleanup and avoid recurrence of the incident, if applicable.

A major equipment malfunction is defined as an instance whereby a system control or equipment malfunction occurs that prevents the continual processing of waste in compliance with this approval. In the case of such an occurrence, the Registrant shall undertake corrective actions immediately and shall notify the Department within the working day.

The notification shall out-line the cause Of malfunction, the corrective action taken and the anticipated repair time. Wastes that cannot be accepted at the facility due to equipment or system malfunction or the occurrence of an emergency situations or Wastes already in storage at the facility that cannot be processed due to a long-term facility outage, shall be disposed of in accordance with the approved District Solid Waste Management Plan, at the facility designated to receive such wastes.

33. Security

Access to the site shall be restricted to only facility personnel and authorized visitors. Security procedures shall be implemented that provide for an effective means of controlling entry and exit at all times. Guards, attendants, visual monitors or locked gates shall be utilized at all site entrances and exit points. Security fencing with gate controls shall be installed around the entire facility. The fencing shall be metallic chain link, or its equivalent, and shall extend to an height of at least seven (7)feet.

34. Process Residue Handling and Storage

A-11 non-processible waste materials and process residues shall be stored within the confines of an enclosed facility building structure at all times prior to removal from the site. Exterior storage of non-processible waste materials and process residues on the site is - expressly prohibited.

Interior storage of ash residue shall be restricted to the enclosed "mixed residue storage building" and the enclosed "residue transfer building".

The interior storage of unprocessible- waste materials found in the incoming waste stream is restricted to the "east and west drop areas of the refuse bunker. Dumpster or roll-off containers shall be located in either of these areas to store the unprocessible waste materials. Such dumpsters or roll-off containers shall be suitably sized to handle the flow of materials anticipated.

35. Residual Ash Monitoring

A residual ash monitoring program shall be established and implemented by the Registrant for the purpose of assessing the chemical characteristics of the residual ash generated by facility operation.

Thirty (30) days prior to the initiation of the facility . start-up and shakedown testing period, the Registrant shall submit the following to the Department for its review and approval:

a. A finalized contingency plan for the secured handling, storage, transport and disposal of ash residual that may be found to be hazardous after analysis. As part of the finalized contingency plan, the Registrant shall identify a hazardous waste disposal facility capable of handling any ash residue generated that may be proven hazardous during the monitoring/analysis program. The Registrant shall present documentation to the Department which demonstrates the hazardous waste disposal facility's willingness and ability to accept the type and quantity of material that may be slated for disposal. The Registrant shall also outline the hazardous waste manifest program that will be followed and shall identify the collection/haulage firm to be retained to transport the residual ash should it be found to be hazardous.

b. A finalized plan for the secured storage of the residual ash pending the receipt of the analytical results to be used in classifying the residue for disposal during facility, start-up and shakedown testing. Departmental approval must be secured for ash residue to be temporarily stored at the proposed Warren County landfill as was outlined in the engineering design/environmental impact statement submitted.

c. An identification of the sanitary landfill to be utilized for residual ash disposal (if the ash is characterized as nonhazardous), and documentation of the agreement made with the sanitary landfill facility for the receipt and disposal of this material during the start-up and shakedown period as well as during subsequent commercial operation following the start-up and shakedown period. The agreement shall be accompanied by the appropriate documentation indicating that the necessary waste flow directives have been obtained in conformance with the approved District Solid Waste Management Plan.

As a minimum, the residual ash-monitoring program shall consist of the following:

I. During the first eight (8) weeks of the facility start-up and shakedown period, representative composite samples of the residual ash shall be collected on a daily basis and further composited into representative weekly and monthly samples. The weekly and monthly composite samples shall be analyzed for the following parameters:

- Extraction Procedure Toxicity; and
- Total 2, 3, 7, 8 TCDD.

The Registrant shall retain an' equivalent portion of each weekly and monthly composite sample collected during this eight (8) week period so that the Department may conduct follow-up analyses when necessary. The samples shall be clearly identified and stored at the facility for a period of sixty (60) days from the date of sample collection.

During the first eight (8) weeks of the facility start-up and shakedown period, each week's residual ash shall be stored separately from one another until results from that week's composite sample are received and a determination is rendered on the hazard or non-hazardous nature of the material.

If the results of the analyses exceed the E.P. toxicity test limits, or exceed one (1) part per billion, of 2, 3, 7,8 - TCDD, or the residue material is otherwise determined hazardous by the Department based upon the analytical results, that ash residue shall be disposed of at the hazardous waste disposal facility, secured by the Registrant for that purpose.

If the material is determined to be non-hazardous, it shall be disposed of at the sanitary landfill facility secured by the Registrant for that purpose.

To facilitate the overall evaluation of the ash monitoring results gathered during this eight (8) week facility start-up and shakedown period,, the Registrant shall maintain the following operational records during the period on an hourly basis per each unit:

- average combustion gas temperature (across the furnace chamber)
- range Of combustion gas temperatures .(across the furnace chamber)
- average combustion gas residence (within the furnace chamber)
- average waste residence time (within the furnace chamber)
- tons of waste processed

Additionally, the crane operator shall log the date and time(s) that any unusual waste materials are charged to a particular incineration unit. These records shall be made available to the Department upon request.

II. At the completion Of the initial eight (8) week start-up and shakedown period, the following sampling and analysis regimen shall be implemented unless otherwise required by the Department:

During each month of facility operations, representative daily composite samples shall be collected, and further composited into a representative monthly composite sample. The following analyses shall be performed on each monthly composite sample:

- Extraction Procedure Toxicity; and

- Total 2. 3, 7, 8 - TCDD.

III. All analyses called for as a condition of this approval shall be performed by a laboratory approved and/or certified by the Department for the analysis of those specific parameters. All samples shall be collected from the "stacking belt conveyor" located in the "mixed residue storage building, once ash mixing has been completed. Samples collected for analytic purposes shall contain both bottom and flyash wastes in a mixed ratio representative of the composite ash residual to be disposed of. To prepare the daily composite. samples, one grab sample of

sufficient size and of equal proportion shall be collected every hour and ultimately composited into the representative daily sample.

Analyses shall be performed in accordance with the procedures outlined in the most recent edition of Test Methods for Evaluating Solid Waste - Physical/Chemical Methods, U.S. EPA Publication SW-846. The Registrant shall submit each set Of analytical results to the Division of Waste Management immediately upon the receipt of said results. The following information shall accompany the analytical determinations,

- The date(s), exact time, and place of sampling, measurement, or analysis;
- The name of the individual(s) who performed the sampling measurement, or analysis;
- The analytical techniques or methods used; and
- The signature and certification of the report by an appropriate authorized agent.

IV. The Registrant shall retain the records of all analytical reports at the facility for a period of five (5)years from the date of measurement.

V. The Registrant shall increase the monitoring frequency and/or expand on the list of parameters for which testing is to be performed, should the type or quantity Of waste types received for processing be significantly altered. The Department reserves the right to alter at its discretion, the List Of test parameters, the methods of sample collection, the analytical procedures employed, and the frequency of sampling and analysis, as is deemed necessary.

VI. The Registrant shall dispose of the facility generated residual ash at a facility authorized and permitted to receive the waste type identification number assigned to the residual ash pursuant to classification through analysis.

36. Ash residue Removal

All ash residue removal trucks shall be covered to prevent spillover and windblow. Residue truck loading shall be conducted solely within the confines of the "mixed residue-storage building" and in the case of the plus ten (10) inch residue, loading shall occur within the confines of the "residue transfer building"). Loading shall be carried out in a controlled manner that minimizes dusting and eliminates ash residual tracking to the exterior of the building. Excess water shall be drained from the ash residue prior to removal for disposal. All water drained from the ash shall be directed to the sump-pump assembly located within the "mixed residue storage building" and shall be discharged back to the ash quench tank located in the boiler room of the main processing building or to the sanitary sewer. Truck beds/containers used for residual ash transport to the landfill shall be sealed in a manner as to prevent drippage.

To the maximum extent possible, ash residue removal operations shall be conducted during periods of off-peak traffic on the surrounding public roadways, and shall utilize roadways, and shall utilize roadways that transgress nonresidential areas wherever possible.

37. Operational Records

Records of facility operation shall be maintained on a daily basis by the Registrant and shall be submitted, as logged on a daily basis and tallied for the month to the Division of Waste Management - Engineering Branch before the 15th of each month following the month for which the information was obtained. All such reports shall be signed, certified, and dated by the appropriate authorized agent for the facility. The information submitted shall include the following:

a. The weight of solid waste delivered facility for each to the waste type permitted by this Certificate;

b. The volume and weight of unprocessible solid waste removed for alternative disposal and the facility receiving the waste for disposal;

c. Weight Of solid waste processed through incineration (for each unit);

d. The weight of ash residue removed for disposal, and facility receiving the residue for disposal;

e. The quantity of steam generated (in pounds per day); and

f. Electricity generated (KWH/day).

Operational records shall be maintained on the premises for a three (3) year period, and shall be made available for inspection by the appropriate representative of the Department upon request.

All printed 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.

38. Plans On-Site

One complete set Of the approved engineering pans, engineering reports, the operations and maintenance manual, environmental impact statement, along with and the registration shall be kept on file at the conditions of available for inspection by Department the facility, and shall be personnel or its designated representatives.

39. Right of Entry

The Registrant hereby agrees, consents and authorizes representatives of the Department Of Environmental Protection (hereinafter DEP) to make whatever inspections, searches examinations of all premises occupied by it which may be impacted by the activities authorized by this approval whenever these representatives in their discretion consider such an inspection, search and/or examination necessary to determine the extent of compliance with any and all conditions of the approval. Any refusal to allow entry to the Department's representatives shall constitute

grounds for either suspension and/or revocation of this approval. Furthermore, the Registrant hereby agrees, consents and authorizes the representatives of the Department to present a copy of this approval to any Municipal or State Police Officer having jurisdiction over the Registrant's premises in order to have said officer effectuate compliance with this right of entry, should the Registrant at any time refuse to allow entry to said DEP inspectors.

40. Accommodations for Departmental Inspectors

The Registrant shall provide permanent office space at the facility to accommodate a Department inspector on a daily basis during all facility operating hours. The Registrant entry to the inspector at any time during the facility operating hours.

The inspector's workspace shall be equipped with the appropriate computer hardware including a display screen, that will allow for access to the facility's automated process monitoring, control and information system. The computer hardware system shall allow the inspector to observe the same operational and control information that is available to the facility operators stationed in the central control room. In addition, continuous emission monitoring data and temperature monitoring data shall be transmitted to the Department via a remote telemetry system, in accordance with plan, required by the "Permit to Construct, Install, or Alter Control Apparatus or Equipment" issued by the Division of Environmental Quality. This plan shall receive approval of the Department prior to the start-up of facility operations.

41. Duration of Permit

This Certificate of Approved Registration and Engineering Design Approval is for a maximum period of five (5) years from the date of its issuance. This Certificate of Approved Registration and Engineering Design Approval can be renewed at that time upon proper application, provided that the operation will meet all Departmental requirements that may exist when the renewal application is made.

Upon Certificate expiration, waste delivery and processing activities shall cease and all wastes, process residues, and effluents in storage shall be removed from the premises.

42. Conformance with the Solid Waste Management Plan

This approval is conditioned upon conformance with all requirements of the Warren County District and State Solid Waste Management Plans as adopted and promulgated pursuant to N.J.S.A. 13:lE-1 et seq., as amended. No wastes other than those directed to this facility under said plans may be accepted for processing/disposal. Similarly, waste residues generated by facility operation shall be disposed of in conformance with these solid waste Management plans.

Failure to comply with any or all limitations heretofore mentioned will result in the Department seeking relief under N.J.S.A. 13:lE-1 et seq., the Solid Waste Management Act. Specifically each day of failure to so comply shall constitute a separate violation on the basis of which a penalty shall be assessed and may result in loss of operating authority, pursuant to N.J.S.A. 13:lE-12.

The issuance of this approval and the conditions of operation identified herein shall not be interpreted as relieving the applicant of this

responsibility to secure and maintain all other applicable Federal, State and local permits or similar forms of authorization relating to the construct lion and operation of this facility.

DISCLOSURE STATEMENT REVIEW
WARREN ENERGY RESOURCE COHPANY
LIMITED PARTNERSHIP

Pursuant to the requirements as set forth in the Solid Waste Management Act, N.J.S.A. 13:IE-127 et seq. and the rules and regulations promulgated thereunder, as set forth at N.J.A.C. 7:26-16 the Department has reviewed the investigative report from the Attorney General.

FINDINGS

1. Warren Energy Resource Co., Limited Partnership (WERCO) is a limited partnership formed by the Blount Energy Resource Corporation, a subsidiary of Blount Inc. of Montgomery, Alabama is the operating company.

2. Blount, through the Parent Company Guarantee shall uphold and sustain all construction, performance and service agreements entered into by and between WERCO and the Pollution Control Financing Authority of Warren County.

3. Blount is an international corporation which has developed expertise in the construction and engineering in the field of resource recovery agriculture, industry and manufacturing equipment and systems.

4. Blount purchased Widmer + Ernst (W + E) in June 1985 and owns the W + E mass burn technology. W + E is a wholly owned Blount subsidiary with more than 11 facilities world wide incorporating this system.

5. The following is a list of Blount (W + E) worldwide experience in refuse incineration systems:

Client/Location	Project
MVA UPPSALA Kraftvarme AB Sweden	Turnkey delivery of the process line. Uppsala 1 x 360 tpd steam production district heating. Into Operation: 1983/84

8. The Department has reviewed the resumes of the key employees that are involved with the WERCO facility. Of the eight key employees disclosed by WERCO who will have direct responsibility for the Warren County project, the two key employees who appear to be in management positions directly related to the technology and engineering, of the WERCO facility have a total of 44 years of incineration and waste management experience. The remaining employees listed occupy corporate support roles such as legal counsel, secretary, president and finance. These individuals appear to be qualified for their respective positions.

9. Since no prior record exists based on the review of the resumes of the key employee, the Department has determined that existing facilities with the W + E system; the proposed facilities with the W + E system and the responsiveness of the applicant during the review and permitting process that WERCO is likely to exhibit the reliability, expertise and competency to operate a solid waste thermal destruction/resource recovery facility in accordance with the Department's statutes, rules and regulations.

Therefore pursuant to N.J.A.C. 7:26-16.5 the Department hereby grants a License with conditions to WERCO for a Thermal Destruction Resource Recovery Facility to be located in White Township, Warren County for a period not to exceed four years from the date of the Certificate of Approved Registration and Engineering Design Approval (CAREDA), subject to full compliance with the conditions attached hereto. In the event of conflict of this CAREDA and the referenced application, designs and other related documents the terms of the CAREDA shall prevail.

Date 10/15/87

Client/Location	Project
KVA BADEN-BRUGG Zweckverband Kehricht- verwertung Region Baden-Brugg, Switzerland	Complete engineering including delivery of the 3rd furnace line. 1 x 140 tpd. Date of Order: 1981 Into Operation: 1983
MVU UPPSALA Uppsala Kraftvarme AB heating.	Turnkey delivery of the 4th process line. 1 x 240 tpd steam production District Sweden. Date of Order: 1980 Into Operation: 1982
IMVA NYBORG F III Kommunekemi Denmark	Turnkey delivery of the whole industrial incineration plant 1 x 120 tpd flue gas washing plant, Steam production, district heating. Date of Order: 1980 Into Operation: 1982
KVA Werdenberg- Liechtenstein Verein fur Abfall- verwertung,d Buchs Switzerland Liechtenstein	Complete engineering including delivery of grate and boiler 1 x 200 tpd steam production turbo group. Date of Order: 1980 Into Operation: 1982
MVA BIELEFELD-HERFORD Mullverbrennungpanlage Bielefeld-Herford GmbH Federal Rep. of Germany	Turnkey delivery of process chain, 3 x 400 tpd (combined household) refuse and sludge incineration) current production, flue gas washing Plant. Date of Order: 1979 Into Operation: 1981
ROHSTOFFRUECKGEWINNINGS- ZENTRUM HERTEN Siedlungsverband - Ruthrkohleberzirk (SVR) Federal Rep. of Germany	Turnkey incineration plant by a joint venture (W + E AG, Boswau + Knauer, Keramchemie, L&C Stein- muller). 1 x 310 tpd household refuse, 1 x 150 tpd industrial Refuse 1 x 500 tpd recycling house- Hold washing plant, turbo group. Date of Order: 1978 Into Operation: 1981/82
KVA BADEN-BRUGG Zweckverband Kehricht- ververtung Region Baden-Brugg, Switzerland	Replacement of the Combustion grate No. 1 1 x 100 tpd. Date of Order: 1978 Into Operation: 1979
MVA AHRENSBURGER WEG (Hamburg Stapelfeld) Stapelfeld GmbH Federal Rep. of Germany	Turnkey delivery of the whole plant by a point venture (W + E, Ddyckerhoff & Widmann AG, L&C Steinmuller). 2 x 480 tpd steam Production, flue gas washing plant, turbo group.

	Date of Order: 1976 Into Operation: 1978
MVA WERDENBERG- Liechtenstein Verein fur Abfallbe- seitigung, Buchs Switzerland	Complete engineering of the turnkey plant. 1 x 120 tpd steam production, turbo group, district heating. Date of Order: 1971 Into Operation: 1974
MVA BADEN-BRUGG Zweckverband Kehricht- verwertung Region Baden-Brugg, Switzerland	Complete engineering of the turnkey incineration plant. 2 x 100 tpd steam production, turbo group. Date of Order: 1967 Into Operation: 1970

6. While Blount does not operate a facility in the United States it has been selected to design construct; start-up; own and operate three additional Resource Recovery facilities.

7. The following is a list of Blount's American experience in refuse incineration systems.

Name of Project:	Oyster Bay Waste-to-Energy Facility
Location:	Oyster Bay, New York
Facility Capacity:	1,650 tons per day of MSW
Energy Market:	Long Island Lighting Company (LILCO)
Energy Specification:	3 boilers producing 450,000 lbs/hr of steam at 630 psia and 750° F. One turbine generator system having A rated output of 50 megawatts.
Capital Cost:	Approximately $130,000,000
Contractor Involvement:	Full Service
Method of Financing	Tax-exempt IDB's, Taxable Bonds, and EQBA funds.