Division of Solid and Hazardous Waste
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SOLID WASTE FACILITY PERMIT

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

HOFFMANN-La ROCHE INC.

Facility Type:	Small-scale Thermal Destruction Facility
Lot No.:	1
Block No.:	80.02
Municipality:	Clifton
County:	Passaic
Facility Registration No.:	1602001189

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, stream encroachment areas or flood plains, or that are within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits, or approvals from the Department of Environmental Protection.

July 5, 2002
Issuance Date

June 30, 2006
Expiration Date

Signed by Thomas Sherman, Assistant Director
Thomas Sherman, Assistant Director
Office of Permitting & Technical Programs

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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 small-scale thermal destruction facility by Hoffmann-La Roche Inc. located in the City of Clifton, Passaic County, New Jersey. The Solid Waste Facility Permit is a permit renewal to the original Solid Waste Facility Permit issued to Hoffmann-La Roche Inc. on June 30, 1993. Any registration, approval or permit previously issued for this facility to Hoffmann-La Roche Inc. by the Division of Solid and Hazardous Waste or its predecessor agencies is hereby superseded.

This Permit does not convey any property rights of any sort, or any exclusive privilege. Failure to comply with all the conditions specified herein may result in revocation of this Permit and/or may result in such other regulatory or legal actions which the Department is authorized by law to institute.

Regulated Activities at the Facility

Section I of this Permit contains the general conditions applicable to all solid waste facilities. Section II of this Permit contains general operating requirements for all small-scale thermal destruction facilities that receive, store, process or transfer solid waste and regulated medical waste materials. Section III of this Permit contains specific conditions applicable to the operations of this facility.

Facility Description

The permitted facility is a privately owned thermal destruction unit (incinerator) operated by Hoffmann-La Roche Inc. The facility is operated for the sole purpose of disposing of select waste materials generated by Hoffmann-La Roche Inc. at the "Nutley Campus", and regulated medical waste (RMW) from the Nutley Campus and other Hoffmann-La Roche facilities located in the State of New Jersey. The incinerator facility is located on Block 80.02, Lot 1, in the City of Clifton within the Nutley Campus. The street address of the Nutley Campus is 340 Kingsland Street, Nutley, New Jersey. The Nutley Campus encompasses land located in both the Township of Nutley and the City of Clifton. Approximately 70 percent of the Campus (the northern portion) is located within the City of Clifton, and the incinerator facility is located in this portion. Land uses on the Campus adjacent to the incinerator facility include research, production, and service and maintenance operations. The Hoffmann-La Roche Campus is bordered by New Jersey State Highway 3 to the north, Kingsland Street to the south, Colin Avenue, Princeton Place, and Montclair Avenue to the east, and Bloomfield Avenue to the west. Industrial and commercial uses characterize the area north of Route 3. Residential neighborhoods are located to the south, east, and west of the Campus.

The thermal destruction facility is authorized to accept and process the following waste types originating from the Hoffmann-La Roche Inc. Nutley Campus and other Hoffmann-La Roche facilities located in the State of New Jersey: type 10 municipal (exclusively confidential paper generated at the Hoffmann-La Roche Inc. Nutley Campus); type 27 dry industrial waste (exclusively filter cake and returned products generated at the Hoffmann-La Roche Inc. Nutley

Campus); and, Regulated Medical Waste Classes 1, 2, 3, 4, 5, 6, and 7. Incineration of RMW that is also low-level radioactive waste containing byproduct material shall be conducted in accordance with the permittee's U.S. Nuclear Regulatory Commission (NRC) Materials License No. 29-00018-02, 10 CFR Part 20 and 40 CFR Part 61, Subpart I, as applicable. The facility is authorized to operate twenty-four hours daily, seven days per week. The facility has a permitted capacity of 799 pounds per hour of any combination of waste types authorized for processing.

The incineration system consists of a rocking kiln, secondary combustion chamber, selective non-catalytic reduction (SNCR) for control of nitrogen oxides, an electrostatic precipitator (ESP), and a three-stage wet scrubber. Waste is introduced to the rocking kiln, which operates with sufficient temperature and excess air to provide for proper volatilization and combustion of waste (normal operating mode). Combustion gases leaving the rocking kiln enter the auxiliary fuel-fired secondary combustion chamber. The secondary chamber is refractory-lined and provides a high-temperature, turbulent, oxidizing environment with sufficient residence time to complete the destruction of partially combusted organics. Auxiliary natural gas burners are used in both the rocking kiln and the secondary combustion chamber for preheating and for maintaining the design operating temperatures. The rocking kiln is also capable of operating in a pyrolytic mode.
The SNCR system injects aqueous ammonia into the flue gas at the outlet of the secondary combustion chamber. Combustion gases from the secondary combustion chamber enter an evaporative cooler where the gases are cooled prior to entering the electrostatic precipitator. After removal of most of the particulate matter in the ESP, the flue gases enter a multi-stage wet scrubber. The gases are first quenched, then passed through a packed bed, and finally treated in a Ring Jet ™ stage. The scrubber removes acid gases and further reduces the concentration of particulate matter after treatment in the ESP. The gases then exit a stack at a height of approximately 118 feet above ground level. The evaporative cooler and the quench chamber of the wet scrubber are equipped with emergency water nozzles. The emergency water system will operate if the temperature downstream of the evaporative cooler or quench rises to a specified limit.

All waste brought to the incinerator originates from the Hoffmann-La Roche Inc. Nutley Campus and other Hoffmann-La Roche facilities located in the State of New Jersey, and is unloaded at the facility loading dock. Waste materials are packaged in cardboard boxes or fiber drums at the points of generation to ensure clean, sanitary, and safe handling. The cardboard boxes and fiber drums are identified with a label containing a description of the contents. After receipt at the facility, the packaged waste will be transferred from the loading dock to the rocking kiln feed area. The facility also has storage areas within the building structure for incoming waste, including storage racks, a cage storage area, and a refrigerated storage box.

A conveyor feed system is utilized to bring the individual cardboard boxes and fiber drums to the rocking kiln prechamber. From the prechamber, the waste is fed to the rocking kiln by means of the prechamber loading pusher and the feed ram.

Both bottom ash and fly ash collection occurs inside the facility building. Bottom ash is discharged from the rocking kiln into a water-filled tank by means of a discharge hood from the rocking kiln that extends below the water surface of the quench tank to form a water seal. A submerged drag chain conveyor drags the ash up an inclined chute and discharges it into a container below. Fly ash is collected from the evaporative cooler and electrostatic precipitator, separate from the bottom ash. The fly ash conveyor is a bottom drag, top return, drag chain

conveyor. The conveyor is directly coupled to the electrostatic precipitator hoppers and is separated from the evaporative cooler hopper by a double-dump airlock valve. The fly ash conveyor discharges through a double-dump airlock valve into a transportable container located below the electrostatic precipitator. Wetted fly ash and bottom ash is transferred to a watertight storage container that is stored in the designated exterior ash storage area. Samples of the combined bottom ash and fly ash are analyzed for the purpose of assessing the chemical characteristics.

Section I - General Conditions Applicable to All Permits

1. Duty to Comply

(a) Pursuant to N.J.A.C. 7:26-2.8(i), the permittee shall operate the facility in compliance with the requirements of N.J.A.C. 7:26-2.11.

(b) Pursuant to N.J.A.C. 7:26-2.8(j), the permittee shall operate the facility in conformance with all of the conditions, restrictions, requirements and any other provisions set forth in this permit.

(c) Pursuant to N.J.A.C. 7:26-2.8(k), 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.

2. Duty to Reapply

(a) Pursuant to N.J.A.C. 7:26-2.7(b)1, 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.

(b) Pursuant to N.J.A.C. 7:26-2.7(c), 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:

(1) The permittee has submitted a timely and complete application for a renewal permit pursuant to (a) above; and

(2) 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.

(c) Pursuant to N.J.A.C. 7:26-2.7(d), permits continued under said section remain fully effective and enforceable, and if the permittee is not in compliance with any one of the conditions of the expiring or expired permit the Department may choose to do any or all of the following:

(1) Initiate enforcement action based on the permit which has been continued;

(2) 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;

(3) Issue a new permit under N.J.A.C. 7:26-2.4 with appropriate conditions; or

(4) 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.*

3. Need to Mitigate

(a) Pursuant to N.J.A.C. 7:26-2.8(p), should the Department determine that the facility is operating in an environmentally unsound manner, the permittee shall:

(1) 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.*;

(2) 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

(3) 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.

(b) Pursuant to N.J.A.C. 7:26-2.8(q), 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.

(c) Pursuant to N.J.A.C. 7:26-2.8(r), 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.

4. Permit Actions

(a) Pursuant to N.J.A.C. 7:26-2.6(a)1, if cause exists, the Department may modify, or revoke and reissue this permit, subject to the limitations of that section, 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.

(b) Pursuant to N.J.A.C. 7:26-2.6(b), 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.

(c) Pursuant to N.J.A.C. 7:26-2.6(d), 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.

(d) 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.

5. Signatory Requirements

(a) All completed registration statements submitted by the permittee shall be signed as specified at N.J.A.C. 7:26-2.4(e)1.

(b) 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.

(c) 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.

6. Transfers

(a) Pursuant to N.J.A.C. 7:26-2.8(l), 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).

(b) Pursuant to N.J.A.C. 7:26-2.7(e)1, 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 the following:

(1) A registration statement, completed by the prospective new permittee on forms provided by the Department;

(2) A disclosure statement as required by N.J.A.C. 7:26-16.4 completed by the proposed transferee;

(3) A written agreement between the permittee and the proposed new permittee containing a specific future date for transfer of ownership or operations.

(c) Pursuant to N.J.A.C. 7:26-2.7(e)2, 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.

(d) Pursuant to N.J.A.C. 7:26-2.7(e)3, 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.

(e) Pursuant to N.J.A.C. 7:26-2.7(e)4, compliance with the transfer requirements set forth in that subsection 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.

7. Registration Statement

(a) Pursuant to N.J.A.C. 7:26-2.8(b), 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.

(b) Pursuant to N.J.A.C. 7:26-2.8(c), 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.

(c) Pursuant to N.J.A.C. 7:26-2.8(d), 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.

8. Operating Record and Reporting Requirements

(a) 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).

(b) 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).

(c) The permittee shall submit monthly summaries of wastes received to the Division of Solid and Hazardous Waste, Bureau of Recycling and Planning and the Solid Waste Coordinator for the Passaic County District, 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).

(d) Pursuant to N.J.A.C. 7:26-6.4, 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.

9. Conformance to the District Solid Waste Management Plan

Pursuant to N.J.A.C. 7:26-6.12(b), 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.

10. Compliance with Other State Regulations and Statutes

Pursuant to N.J.A.C. 7:26-2.8(h), the issuance of this permit shall not exempt the permittee from obtaining all other permits or approvals required by law or regulations.

End of Section I

Section II - General Operating Requirements

1. General Operating Requirements for Solid Waste Facilities Disposing of On-site Generated Waste

Pursuant to N.J.A.C. 7:26-2.11, the facility must be operated in compliance with the following general operating requirements:

(a) Within each 24-hour period the operator shall clean each area where waste has been deposited or stored, except for those storage areas that are designed for multiple day storage.

(b) No waste shall be stored overnight at the 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 the facility.

(d) Methods of effectively controlling dust shall be implemented at the facility 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 operator shall maintain all facility systems and related appurtenances in a manner that facilitates proper operation and minimizes system downtime. When requested, the operator of the facility 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 fire-fighting 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.

(h) The operator 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, and implemented by an applicator of pesticides, certified in accordance with the New Jersey Pesticide Control Code, N.J.A.C. 7:30.

(i) The operator 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 governmental agency. The operator shall not receive, store, handle, process or dispose of waste types not specifically identified in Section III of this permit or other permit or certificate issued by the Department.

(j) Departmental inspectors shall have the right to enter and inspect any building or other portion of the facility, at any time. This right to inspect includes, but is not limited to:

(1) Sampling any materials on site;

(2) Photographing any portion of the facility;

(3) Investigating an actual or suspected source of pollution of the environment;

(4) Ascertaining compliance or non-compliance with any statutes, rules, or regulations of the Department, including conditions of the SWF permit or other permit or certificate issued by the Department; or

(5) Reviewing and copying all applicable records, which shall be furnished upon request and made available at all reasonable times for inspection.

(k) The quantity of waste received by the facility operator shall not exceed the system's designed handling, storage, processing or disposal capacity as identified in Section III of this permit or other permit certificate. The designed processing and disposal capacity approved within this permit, or any other permit certificate or approval conditions shall be inclusive of all solid waste received at the facility as well as all source separated recyclables received.

(l) 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.

(m) 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.

2. General Operating Requirements for Small-scale Thermal Destruction Facilities

Pursuant to N.J.A.C. 7:26-2B.8, the facility must be operated in compliance with the following general operating requirements:

(a) The owner or operator shall conduct inspections as indicated in the approved final O and M manual in order to identify and remedy any problems.

(b) The owner and/or operator 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.

(c) The owner or operator shall implement a program that effectively prevents the acceptance of unauthorized waste types. This program shall be incorporated into the approved final O and M manual.

(d) 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 operator 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 operator 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.

(e) 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.

(f) 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.

(g) 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.

(h) Prior to disposal, the owner and/or operator 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 Section III of this permit. At a minimum the sampling shall

include analyses for toxicity characteristics and total TCDDs (all tetrachlorodibenzo-p-dioxins), and shall be performed at the frequency specified in Section III of this permit.

(i) 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, as it deems is necessary. The permittee may request the Department to reduce the number of ash test parameters specified within Section III of this permit by applying qualitative knowledge of incoming waste streams. If the owner and/or operator 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.

(j) The analyses required by (h) and (i) above 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.

(k) 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 owner and/or operator 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.

(l) The operator shall retain original records of all waste analyses and operations' monitoring reports at the facility for a period of three years from the date of measurement.

(m) Records of operations' monitoring and waste analyses required above shall include:

(1) The date, time and place of sampling, measurement or analysis;

(2) Chain of custody for all samples collected;

(3) The name of the individual who performed the sampling, measurement or analysis;

(4) The sampling and analytical methods including the minimum detection levels for the analytical procedure utilized;

(5) The results of such sampling, measurement or analyses; and

(6) The signature and certification of the report by an appropriate authorized agent for the facility.

(n) The owner and/or operator 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.

(o) The owner and/or operator shall comply with the following requirements pertaining to facility staffing:

(1) Facilities 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 the facility's 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;

(2) Each shift shall have a designated shift supervisor authorized by the owner or operator to direct and implement all operational decisions during that shift; and

(3) 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, "Boilers, Pressure Vessels and Refrigeration", N.J.A.C. 12:90.

(p) The owner and/or operator shall comply with the following requirements pertaining to facility personnel training:

(1) 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 the facility's 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;

(2) 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;

(3) 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;

(4) Employees hired shall not work in unsupervised positions until they have completed the training program required herein;

(5) Facility personnel shall take part in a planned annual review of the initial training program; and

(6) 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.

(q) The following actions shall be implemented in the case of an emergency:

(1) 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;

(2) 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;

(3) 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:

(i) Immediately notify appropriate local authorities if an assessment indicates that evacuation of local areas may be advisable;
(ii) Immediately notify the Department at 1-877-WARNDEP; and
(iii) 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.

(4) 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;

(5) 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;

(6) 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;

(7) 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; and

(8) 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:

(i) The name, address and telephone number of the facility;
(ii) The date, time and description of the incident;
(iii) The extent of injuries, if applicable, with names and responsibilities indicated;
(iv) An assessment of actual damage to the environment, if applicable;
(v) An assessment of the scope and magnitude of the incident;
(vi) 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
(vii) An implementation schedule for undertaking measures to effect cleanup and avoid recurrence of the incident, if applicable.

3. General Operating Requirements for Regulated Medical Waste Destination Facilities

(a) Pursuant to N.J.A.C. 7:26-3A.1(c), the permittee shall comply with N.J.A.C. 7:26-3A.1 *et seq.*

(b) Pursuant to N.J.A.C. 7:26-3A.4(a), the length of time that the permittee shall keep records required under N.J.A.C. 7:26-3A is automatically extended in the case where EPA, the Department or another State agency initiates an enforcement action, for which those records are relevant, until the conclusion of the enforcement action.

(c) Pursuant to N.J.A.C. 7:26-3A.4(b), all records, reports, logs and tracking forms required to be made and/or kept in accordance with N.J.A.C. 7:26-3A, shall be made available for inspection by the Department.

(d) Pursuant to N.J.A.C. 7:26-3A.9, the supervisory personnel of the small scale thermal destruction facility that is the subject of this permit shall attend education and training sessions provided by the Department, and shall also be required to disseminate the information obtained at the sessions to all employees.

(e) Storage of regulated medical waste shall be in conformance with N.J.A.C. 7:26-3A.12.

(f) Pursuant to N.J.A.C. 7:26-3A.16(a) the permittee shall determine if waste is a regulated medical waste.

(g) The permittee shall comply with the record keeping requirements at N.J.A.C. 7:26-3A.25.

(h) The permittee shall comply with the reporting requirements at N.J.A.C. 7:26-3A.26.

End of Section II

Section III - Specific Conditions Applicable to the Facility

1. Permitted Waste Types

The permittee is authorized to accept the following waste types and the following regulated medical waste classes originating from the Hoffmann- La Roche Inc. "Nutley Campus" and other Hoffmann-La Roche facilities located in the State of New Jersey:

ID	Description
10	Municipal (exclusively confidential paper generated at the Hoffmann-La Roche Inc. Nutley Campus)
27	Dry Industrial Waste (exclusively filter cake and returned products generated at the Hoffmann-La Roche Inc. Nutley Campus)
Regulated Medical Waste	Classes 1, 2, 3, 4, 5, 6 and 7. Incineration of Regulated Medical Waste that is also low-level radioactive waste-containing byproduct material shall be conducted in accordance with the permittee's U.S. Nuclear Regulatory Commission (NRC) Materials License No. 29-00018-02, 10 CFR Part 20 and 40 CFR Part 61, Subpart I, as applicable.

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*. Recyclable materials designated in the Passaic County and Essex County District Recycling Plans shall not be accepted for disposal at this facility.

2. Approved Designs, Plans and Reports

(a) The permittee shall operate the facility, and construct or install associated appurtenances thereto, in accordance with the provisions of N.J.A.C. 7:26-1 *et seq.*, the conditions of this permit, and the following permit application documents and operations and maintenance manual documents which are incorporated herein by reference:

(1) "Standard Application Form (CP#1), Construction and Discharge Permits" with "Solid Waste Supplement to Standard Application Form CP #1" and "Destination Facility Supplement to Standard Application Form CP #1" dated July 3, 1991; revised and dated May 27, 1992, signed by Dr. Gerhard Frohlich, Vice President & General Manager, Hoffmann-La Roche Inc.

(2) "Hoffmann-La Roche Inc.: Solid Waste Facility Permit Application for the Hoffmann-La Roche Inc. Medical Waste Incinerator", prepared by ENSR Consulting and Engineering, dated July 1991.

(3) Letter from Samuel C. Wong, Senior Environmental Advisor, Environmental Affairs of Hoffmann-La Roche Inc. dated May 27, 1992 to Sukhdev Bhalla, Chief, Bureau of Resource Recovery.

(4) Letter from Renee R. Bobal, Associate Manager, Hoffmann-La Roche Inc. dated July 1, 1992 to Krish Kasturi, Bureau of Resource Recovery.

(5) The following drawings submitted with the permit application package, referenced at (2) immediately above:

- Hoffmann-La Roche Inc. Site Plan, revised on July 28, 1988 and drawn by E.J. Burger.
- Town of Nutley, Essex County, New Jersey, revised zoning map, dated May 22, 1989.
- City of Clifton, New Jersey, zoning map, amended on February 7, 1989.
- Plot Plan, Drawing No. ND-043-0566C-100, Revision 1, 6-14-91, signed and sealed by Neal A. Schlendorf, N.J.P.E. License No. GE 15086.
- Incineration System, P & ID, Legend, Drawing No. 3633 I 31201, Revision 0, 9-2-94, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

(6) "Revisions to Hoffmann-La Roche Inc. - Nutley Solid Waste Engineering Report", dated July 12, 1994, including the following:

- Replacement pages for the changes to Chapter 7, Section 2.0 of the July 1991 Solid Waste Facility Permit Application.
- Table titled "Summary of Engineering Design Revisions Hoffmann-La Roche, Inc. Medical Waste Incinerator".
- Incineration System, Process Flow Diagram Case I, Drawing No. 3633 G31001, Revision D, 3-23-94, signed and sealed by David W. Hagan, N.J.P.E. License No. 34929.
- Incineration System, Process Flow Diagram Case II, Drawing No. 3633 G31002, Revision D, 3-23-94, signed and sealed by David M. Hagan, N.J.P.E. License No. 34929.
- Incineration System, Process Flow Diagram Case III, Drawing No. 3633 G31003, Revision D, 3-23-94, signed and sealed by David W. Hagan, N.J.P.E. License No. 34929.
- Incineration System, Process Flow Diagram Case IV, Drawing No.

3633 G31004, Revision D, 3-23-94, signed and sealed by David W. Hagan, N.J.P.E. License No. 34929.

– Incineration System, Process Flow Diagram Case V, Drawing No. 3633 G31005, Revision D, 3-23-94, signed and sealed by David W. Hagan, N.J.P.E. License No. 34929.

– Incineration System, Water Balance Diagram, Case III, Drawing No. 3633 G31301, - Revision C, 6-22-94, signed and sealed by David W. Hagan, N.J.P.E. License No. 34929.

– Architectural North and West Elevations, Drawing No. ND-043-0566-A404, Revision F, 6-10-94, signed and sealed by W. Douglas Kirklin, N.J. Registered Architect, License No. 12760.

(7) The following "as built" drawings submitted with a March 28, 1995 letter from Jose C. Garcia of Hoffmann-La Roche Inc.:

– Incineration System, P & ID Caustic Feed System, Drawing No. 3633 I 31213, Revision 1, 3-2-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

– Incineration System, P & ID, Slag & Ash Handling System, Drawing No. 3633 I 31212, Revision 1, 3-2-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

– Incineration System, P & ID, I. D. Fan & Stack, Drawing No. 3633 I 31211, Revision 1, 3-2-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

– Incineration System, P & ID, Scrubber, Drawing No. 3633 I 31210, Revision 1, 3-2-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

– Incineration System, P & ID, Quench System, Drawing No. 3633 I 31209, Revision 1, 3-3-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

– Incineration System, P & ID, Electrostatic Precipitator, Drawing No. 3633 I 31208, Revision 1, 3-2-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

– Incineration System, P & ID, Evaporative Cooler, Drawing No. 3633 I 31207, Revision 1, 3-2-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

– Incineration System, P & ID, SCC Burner System, Drawing No. 3633 I 31206, Revision 1, 3-2-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

- Incineration System, P & ID, Primary Burner System, Drawing No. 3633 I 31205, Revision 1, 3-2-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

- Incineration System, P & ID, Cooling System, Drawing No. 3633 I 31204, Revision 1, 3-2-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

- Incineration System, P & ID, Ammonia Injection System, Drawing No. 3633 I 31214, Revision 1, 3-3-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

- Incineration System, P & ID, Steam, Drawing No. 3633 I 31215, Revision 1, 3-3-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

- Incineration System, P & ID, Condensate Collection, Drawing No. 3633 I 31216, Revision 1, 3-3-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

- P & ID, Unit Heater & Coil Steam & Condensate Distribution, Drawing No. 3633 I 31217, Revision 1, 3-3-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

- P & ID, Process Potable & Soft Water Distribution, Drawing No. 3633 I 31218, Revision 1, 3-3-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

- P & ID, Instrument Air Distribution, Drawing No. 3633 I 31219, Revision 1, 3-3-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

(8) The following "as built drawings submitted with a April 21, 1995 letter from Jose C. Garcia of Hoffmann-La Roche Inc.:

- Incineration System, General Arrangement Plan, Drawing No. 3633 G30001, Revision O, 9-21-94, signed and sealed on 4/19/95 by Balchandra A. Kamat, N.J.P.E. License No. 21134.

- Architectural South and East Elevations, Drawing No. ND-043-0566-A405, Revision I, 10-26-94, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

- Site and Paving Plan, Drawing No. ND-043-0566-C401, Revision E, 4-11-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

– Grading and Site Utility Plan, Drawing No. ND-043-0566-C402, Revision E, 4-11-95, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

(8) April 27, 1995 letter from Jose C. Garcia of Hoffmann-La Roche Inc., with attached "Contingency Plan For Ash Residue" and "Hoffmann-La Roche Inc. Incinerator Residual Ash Monitoring Plan" (dated April 11, 1995), initially approved by the Department on July 28, 1995, and also including all subsequent approved revisions of each "Plan".

(9) April 25, 1996 letter from Jose C. Garcia of Hoffmann- La Roche Inc., with attached narrative titled "Feed System Revisions" and the following drawing:

– Incineration System, P & ID, Feed System, Drawing No. 3633 I 31202, Revision 4, 3-22-96, signed and sealed by Balchandra A. Kamat, N.J.P.E. License No. 21134.

(10) May 31, 1996 "Intercompany Fax" from Jose Garcia of Hoffmann-La Roche Inc., with attached narrative titled "Feed System Revisions".

(11) "Solid Waste Facility Permit Renewal Application" submitted with a letter dated July 1, 1998, and including the following drawing:

– Incineration System, P & ID, Rocking Kiln & SCC, Drawing Number 3633 I 31203, Revision 4, 6-20-96, signed and sealed by Balchandra A. Kamat, N.J.P.E. License Number 21134.

(12) June 20, 2000 letter from Peter Jeuck of Hoffmann-La Roche Inc., with attached document titled "Emergency Procedures" (effective date 5/15/97). This document is considered part of the approved Final Operations and Maintenance Manual.

(13) October 4, 2000 letter from Peter J. Jeuck of Hoffmann-La Roche Inc. submitting "an attachment to the July 1, 1998 permit renewal application".

(14) January 9, 2001 letter from Peter Jeuck of Hoffmann-La Roche Inc. submitting addendum information to the July 1, 1998 permit renewal application.

(15) March 23, 2001 letter from Peter J. Jeuck of Hoffmann-La Roche Inc. submitting addendum information to the July 1, 1998 permit renewal application.

(16) Final Operations and Maintenance Manual titled "Hoffmann-La Roche Nutley, New Jersey Medical Waste Incinerator Operations & Maintenance Manual" (dated September 28, 1994), initially approved by the Department on November 22, 1994, and also including all subsequent approved revisions of the Manual. The "Hoffmann-La Roche Nutley, New Jersey

Medical Waste Incinerator Operations and Maintenance Manual (September 26, 1996)", prepared by Von Roll Inc. is also incorporated by reference in the approved September 28, 1994 Manual.

In case of conflict, the provisions of N.J.A.C. 7:26-1 *et seq*. shall have precedence over the conditions of this permit, the conditions of this permit shall have precedence over the SWF permit application documents and operations and maintenance manual documents listed above, and the most recent revisions and supplemental information approved by the Department shall prevail over prior submittals and designs.

(b) One complete set of the documents listed in Condition 2.(a) above, 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.

3. Approved Operations

(a) Waste Processing Rates

The facility shall process waste at a rate that does not exceed 799 pounds per hour.

(b) Hours of Operation

The delivery and/or processing of waste at the facility shall be limited to the following schedule:

Monday through Sunday, 24-Hours Daily

(c) 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. Unprocessed waste feedstock and facility process waste residues shall be stored in containers as specified in the referenced engineering plans listed at Condition 2 of this section. All facility floor drains, traps, sumps or similar catchment basins shall be maintained free of obstructions to facilitate effluent drainage.

4. Security

In addition to the requirements of Condition number 2.(n) of Section II of this permit, the permittee shall maintain security procedures in accordance with the Hoffmann-La Roche Security Plan.

5. Residue Management

(a) Process Residue Handling and Storage

Bottom ash residue generated by facility operations shall be conveyed to, and stored

in, watertight containers. Fly ash collected from the evaporative cooler and the electrostatic precipitator shall be conveyed to a transportable container located below the electrostatic precipitator. Wetted fly ash and bottom ash shall be combined in a covered, watertight container that is stored in the designated exterior ash storage area at the Nutley Campus. The process of combining the fly ash with the bottom ash in the storage container shall be controlled in such a manner as to prevent fugitive dust and spillage. The ash residue in storage shall be secured to prevent unauthorized access.

Ash residues shall be thoroughly extinguished to eliminate any fire hazard, and shall be handled in such a manner as to prevent fugitive dust and spillage. Ash residue containers shall not be filled to levels that permit overflow or spillage during handling, while in storage, or during transport for disposal. Ash residue containers shall be covered during transport to prevent spillage or scattering by wind.

(b) Residual Ash Monitoring Program

A residual ash monitoring program shall be maintained by the permittee for the purpose of assessing the chemical characteristics of the combined bottom ash residue and fly ash residue generated by facility operations. 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. As a minimum, this monitoring program shall consist of the following:

(1) Analyses shall be conducted in accordance with the following schedule:

TIME PERIOD	ANALYSIS:	
	Toxicity Characteristic Leaching Procedure	Total TCDD's (17 2,3,7,8-substituted PCDD and PCDF Congeners)
Confirmatory	Sampling of combined bottom ash and fly ash during the quarter, with analysis of a minimum of four combined ash samples for eight heavy metals, as described below	Sampling of combined bottom ash and fly ash generated during any stack-testing event conducted for dioxins, with analysis of a single combined sample, as described below
Re-Characterization	As Required / Parameter Specific	N/A

(2) For purpose of analysis, the residual ash generated by the facility shall be

sampled in accordance with the following procedures:

(i) **TOXICITY CHARACTERISTIC LEACHING PROCEDURE SAMPLING:**

During each three month period (quarter) of facility operation, the bottom ash residue and fly ash residue generated by the facility shall be sampled in accordance with the following protocol. As a minimum, four (4) samples of combined bottom ash residue and fly ash residue shall be prepared and analyzed during each quarter that the facility is in operation. Prior to transport from the facility, four (4) samples shall be taken from each container used to store the combined bottom ash and fly ash residue subject to disposal. Each container shall be sampled by using a coring device that provides for the stratified random sampling of the container contents. The coring procedure implemented shall allow for the collection of the full vertical profile of the ash stored within the container. The sample locations within the container shall be randomly scattered. In those instances where multiple containers of combined ash comprise the quarterly batch, the samples collected shall be randomly divided into four (4) sets of an equal number of samples. If only four samples are taken during the quarter, each discrete sample shall be thoroughly mixed as a preparatory step to analysis. If more than four (4) samples are taken during each quarter, each of the four (4) sample sets shall be blended and thoroughly mixed to form one of the final four samples subject to analysis. The following analysis shall be performed on each of the four (4) combined ash samples: Toxicity Characteristic Leaching Procedure (TCLP) for the eight (8) heavy metals: As, Ba, Cd, Cr, Pb, Hg, Se, and Ag.

(ii) **STACK-TESTING EVENT – DIOXIN ANALYSIS SAMPLING:**

During any stack-testing event measuring dioxin emissions to the atmosphere, each container of combined bottom ash residue and fly ash residue collected during the term of the stack-testing event shall be sampled using a coring device, as specified in (2) (i) immediately above. A composite sample representative of the combined ash residue generated during the stack-testing event shall be prepared by combining all samples collected during the stack-testing event into a single, composited sample. This sample shall be analyzed for total TCDDs (17 2,3,7,8-substituted PCDD and PCDF Congeners), using USEPA Test Method 1613B.

(3) A new combined bottom ash residue and fly ash residue characterization program shall be initiated if:

(i) there is a significant change in facility processes and/or operations;
(ii) there is a significant change in the type of waste(s) received for disposal at the facility; or
(iii) the results of the confirmatory analyses demonstrate that one or more

of the parameters exceed the Toxicity Characteristic Leaching Procedure regulatory limits.

(4) Combined ash 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. Otherwise, analysis will include the full spectrum of listed TCLP parameters. The combined ash re-characterization period shall consist of a minimum period of four (4) weeks. Combined ash residue subject to re-characterization shall be sampled using a coring device in accordance with the procedures outlined in (b) (2) (i) immediately above, or shall be sampled in accord with a revised sampling protocol set forth by the permittee and approved by the Department. As a minimum, four (4) core samples of combined ash residue shall be taken from each container used to store the ash residue produced during that week. In those instances where multiple containers of combined ash comprise the weekly batch, the samples collected shall be randomly divided into four (4) sets of an equal number of samples. If only one container is used to store the residue produced during the week, each of the four (4) discrete samples shall be thoroughly mixed as a preparatory step to analysis. If more than four (4) samples are taken during each week, each of the four (4) sample sets shall be blended and thoroughly mixed to form one of the final four samples subject to analysis. The four (4) weekly samples shall be analyzed for the parameter(s) in question. During the combined ash residue re-characterization period, the permittee shall retain an equivalent portion of each sample, so that the Department may conduct follow-up analyses when necessary. The samples retained shall be preserved using approved techniques, and stored at the facility for a period of sixty (60) days from the date that the sample was transferred to the laboratory for analysis.

(5) The permittee shall maintain an approved plan for the secured storage of the combined ash residue during a residue re-characterization period. Any ash residue generated during the re-characterization period shall be stored on-site until the analytical results are received, and a determination is rendered on the hazardous or non-hazardous nature of the material. Based on that determination, the ash residue shall then be disposed of at the appropriate disposal facility. At the completion of the re-characterization test period, the confirmatory combined bottom ash residue and fly ash residue sampling and analysis regimen outlined above, shall not be re-instituted without express written approval from the Division of Solid and Hazardous Waste.

(6) 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.

(c) Ash Residue Removal

All truck bodies or containers used to remove ash residue shall be sealed to prevent leakage and shall not be filled to levels that permit overflow or spillage during transport. The ash residue removal vehicles (truck bodies and/or containers) shall be covered to prevent spillage or scattering by wind during transport.

6. Operations Records

(a) In addition to the operating record and reporting requirements of Condition 8 of Section I of this permit and of Condition 3 of Section II of this permit, the permittee shall maintain the following records of facility operations on a daily basis:

(1) The quantity (by weight) of waste charged to the incinerator for each hour of operation.

(2) The daily total weight of waste and RMW incinerated for each day of facility operation; and

(3) The quantity (by weight) of ash residue transported off site for disposal on any given day. Include the date of transport, the name, address and NJDEP registration number of the transporter, and the name and address of the disposal facility that receives the ash.

(b) The permittee shall submit a report containing the information required by (a) (2) and (3) immediately above, on a semi-annual basis. This report shall be submitted to the Bureau of Resource Recovery and Technical Programs no later than 20 days after the last day of the semi-annual reporting period. All reports shall be signed, certified, and dated by an appropriate authorized agent for the facility.

(c) Any printed or electronically recorded data generated by the facility's monitoring and control systems shall be maintained at the facility, and shall be available for inspection in accordance with N.J.A.C. 7:26-2.13(b).

End of Section III