

Division of Solid and Hazardous Waste  
P.O. Box 414 401 East State Street  
Trenton, New Jersey 08625-0414  
Telephone: (609) 984-6880 Telecopier: (609) 984-6874  
<http://www.state.nj.us/dep/dshw>

## 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:

### SCHERING-PLOUGH RESEARCH INSTITUTE

Facility Type:	Small-scale Thermal Destruction Facility
Lot No.:	1
Block No.:	181
Municipality:	Kenilworth
County:	Union
Facility Registration No.:	2008001176

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.

June 25, 2003

Issuance Date

August 31, 2007

Expiration Date

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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 Schering-Plough Research Institute located in the Borough of Kenilworth, Union County, New Jersey. The Solid Waste Facility Permit is a permit renewal to the original Solid Waste Facility Permit issued to Schering-Plough Research Institute on August 31, 1992. Any registration, approval or permit previously issued to Schering-Plough Research Institute by the Division of Solid and Hazardous Waste or its predecessor agencies is hereby superseded.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 Schering-Plough Research Institute. The facility is operated for the sole purpose of disposing of select regulated medical waste (RMW) materials generated by Schering-Plough Research Institute and other Schering-Plough Corporation facilities located in the State of New Jersey. The incinerator facility is located within the Drug Discovery Facility (DDF) building on the Schering-Plough Campus on Block 181, Lot 1, in the Borough of Kenilworth. The Schering-Plough Campus is generally bordered by Galloping Hill Road to the north, South 31<sup>st</sup> Street and Swenson Drive to the south, Walton Avenue and Reinhold Terrace to the east, and the Garden State Parkway to the west. The Drug Discovery Facility building is located in the southern portion of the Campus.

The thermal destruction facility is authorized to accept and process RMW Classes 1, 2, 3, 4, 5, 6, and 7, as defined in N.J.A.C. 7:26-3A.6(a). The incinerator can combust only those classes of RMW as defined in N.J.A.C. 7:26-3A.6(a) that are also pathological waste, low-level radioactive waste, and/or chemotherapeutic waste as defined in 40 CFR 62.14490. Incineration of RMW that is also low-level radioactive waste containing byproduct material, must be conducted in accordance with the Permittee's U.S. Nuclear Regulatory Commission Materials License No. 29-00244-02, 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 incinerator is normally operated on a periodic as-needed basis. The facility is restricted to combusting a maximum of 500 pounds per hour of any combination of waste types authorized for processing.

The incinerator utilizes a two-stage combustion process. Waste is introduced into the primary (lower) chamber, which operates under a high temperature, starved-air environment. Combustion gases from the primary chamber are routed to the secondary (upper) chamber to complete the combustion process. The secondary chamber operates in an excess air mode to facilitate complete combustion. Auxiliary natural gas burners are used for preheating and for maintaining the design operating temperatures.

Flue gas exiting the incinerator enters the facility's emissions control system. The flue gas is first cooled and humidified in the water-spray quench system. The outlet temperature of the quench system is controlled to a preset value by varying the quantity of water to the injector nozzle. Conditioned flue gas then enters the dry scrubber reactor chamber through a high-velocity cyclonic mixing tube. Sodium bicarbonate, the reagent, is pneumatically injected into the high-velocity zone to maximize the mixing of the reagent and the flue gas. The reactor is designed in a downflow/upflow configuration, with sufficient retention time to allow acid gases to be converted to their salts. A collection hopper with an air-lock rotary valve is located at the base of the reactor chamber to collect any fly ash salts and unreacted reagent. After exiting the reactor chamber, the flue gas enters the fabric filter baghouse which removes the particulate matter. The filter bags are periodically "pulsed", and the fly ash drops into a collection hopper with an air-lock rotary valve that is also located at the base of the baghouse. The flue gas exits through a stack at a height of 98 feet above ground level. A separate emergency bypass stack is also part of the facility design.

Waste originating within the Drug Discovery Facility building is brought to the incinerator facility. Waste is packaged in plastic bags at the point of origin in the DDF building, and the bags are collected in mobile waste carts. The carts are then transported through the building to the incinerator facility. The waste is temporarily stored awaiting incineration either in the designated area of the facility at room temperature, or in the refrigerated storage area adjacent to the incinerator room. The facility can also accept RMW from other Schering-Plough Corporation facilities located in the State of New Jersey. The regulated medical waste from other New Jersey Schering-Plough Corporation facilities is delivered to the incinerator facility through the loading dock door, and is also stored in either designated storage area prior to incineration.

After being weighed, the waste cart is transported to the incinerator "cart dumper" which tips the contents of the cart into the loading hopper. The waste is fed into the primary chamber by means of a hydraulic ram loader. An internal transfer ram moves the waste slowly across the lower chamber hearth.

Both bottom ash and fly ash collection occurs within the facility building. Bottom ash is discharged from the lower chamber into the ash cart by means of cycling the ash ram. A woven-fabric bag is placed in the ash cart to collect the discharged bottom ash residue. A water spray system is used to prevent fugitive dust during this operation. Fly ash residue is collected in two separate woven-fabric bags attached to the air-lock rotary valves located beneath the reactor chamber and the baghouse. Bottom ash and fly ash bags are transferred to another building on the Schering-Plough Campus for storage prior to disposal. Should the designated exterior storage area be utilized, the woven-fabric bags are placed in watertight storage containers located in the designated area adjacent to the facility building. Separate composite samples of 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 Union 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

- (a) Pursuant to N.J.A.C. 7:26-2.11(b), the facility must be operated in compliance with the following general operating requirements:
- (1) Within each 24-hour period the operator shall clean each area where waste has been deposited or stored, except for those storage areas at thermal destruction facilities which are designed for multiple day storage capability.
  - (2) No waste shall be stored overnight at the facility without effective treatment to prevent odors associated with putrefaction.
  - (3) 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.
  - (4) Methods of effectively controlling dust shall be implemented at the facility in order to prevent offsite migration.
  - (5) 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).
  - (6) 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.
  - (7) 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 operations and maintenance (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.
  - (8) 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.
  - (9) 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.

- (10) 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.
  - (11) 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.
  - (12) The approved final O and M manual, as referenced in Section III of this permit, 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.
- (b) Pursuant to N.J.A.C. 7:26-2.11(d), Department 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.

## 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 dioxins and furans per EPA test method 1613B (EPA report 821/B-94-005) or equivalent as approved by the Department, and shall be performed at the frequency specified in 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 deemed 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 select regulated medical waste classes originating from the Schering-Plough Research Institute and other Schering-Plough Corporation facilities located in the State of New Jersey:

<u>ID</u>	<u>Description</u>
Regulated Medical Waste	Classes 1, 2, 3, 4, 5, 6, and 7, as defined in N.J.A.C. 7:26-3A.6(a). The incinerator shall combust <u>only</u> those classes of RMW as defined in N.J.A.C. 7:26-3A.6(a) that are also pathological waste, low-level radioactive waste, and/or chemotherapeutic waste as defined in 40 CFR 62.14490. 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 Materials License No. 29-00244-02, 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.*

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) "Solid Waste Permit Application - Small Scale Pathological Waste Incinerator - Drug Discovery Facility Building", by Schering Corporation, 2000 Galloping Hill Rd., Kenilworth, New Jersey, dated November, 1989. The following drawings and documents are included with this submittal:

- Vicinity Map of the Kenilworth Site, Block 181, Lot 1, dated August 1989, signed and sealed by Scott C. Gordon, N.J.P.E. License No. 20737 on 8/31/92.
- "Existing Land Use and Zoning, Schering-Plough Corporation, Block 181, Lot 1, Kenilworth, N.J.", originally prepared by Dean Boorman and Associates, Consultants, dated December 1988, and signed and sealed by Scott C. Gordon, N.J.P.E. License No. 20737 on 8/31/92.

- Drawing Number SK-3071, "Incinerator Room Utilities - DDF Building", Schering-Plough, Kenilworth, N.J., dated September 1, 1989, signed and sealed by Scott C. Gordon, N.J.P.E. License No. 20737 on 8/31/92.
  - "Kenilworth Site, Block 181, Lot 1", dated August 1989, signed and sealed by Scott C. Gordon, N.J.P.E. License No. 20737 on 8/31/92.
  - Drawing Number DH-SK-7, "Incinerator Room Options, Part Plan G, HVAC", by Haines Lundberg Waehler Architects, Engineers & Planners, dated February 2, 1989, signed by Scott C. Gordon, P.E.
  - Standard Application Form CP #1 and the Solid Waste Supplement to Standard Application Form CP #1.
  - Application for Permit to Construct, Install or Alter Control Apparatus or Equipment and Certificate to Operate Control Apparatus or Equipment, dated October 1989.
  - Engineering Report, Preliminary Operations & Maintenance Manual, and Environmental & Health Impact Statement.
  - (Air Permit Application) Air Quality Modeling Study for a Small-Scale Pathological Waste Incinerator, Schering Corporation, Kenilworth, N.J.
- (2) "Supplemental Filing - Solid Waste Permit Application Environmental Health Impact Statement for Small Scale Pathological Waste Incinerator", dated May 1991, and transmitted by cover letter dated May 31, 1991 (document submitted included designs for a different incinerator unit than the unit referenced at 2. (a) (1) immediately above). The following drawings and documents are included with this submittal:
- "Stack Locations, Numbers & Emission Plan" (Figure 1-1) for Schering Corporation, Kenilworth Environmental Affairs, by Ebasco Services Incorporated, signed and sealed by George Wittmann, N.J.P.E. License No. 29159 on 8/31/92.
  - Drawing Number A-5102, "Building Elevation East (Figure 1-3)" by Haines Lundberg Waehler Architects, Engineers & Planners, Basking Ridge, N. J., signed and sealed by Alan Kaplan, N.J.P.E. License No. 16371, "Print Date" January 4, 1991.
  - Drawing Number C 225-PAT-1, "Preliminary Arrangement" for Schering-Plough Corporation Drug Discovery Facility, Kenilworth, NJ, prepared by Consumat Systems, Inc., Richmond, VA., dated, signed, and sealed by Peter Gardner, N.J.P.E. License No. GE32404, Schering Corporation, on May 8, 1991.

- Drawing Number L-1104, "Layout and Materials Plan (Figure 1-3)" by Haines Lundberg Waehler Architects, Engineers & Planners, Basking Ridge, N. J., signed and sealed by Alan Kaplan, N.J.P.E. License No. 16371, "Print Date" March 28, 1991.
  - Standard Application Form CP #1 and Solid Waste Supplement to Standard Application Form CP #1, dated May 31, 1991.
- (3) Document transmitted by letter dated September 6, 1991, submitted in response to comments raised in Mr. Anthony Cavalier's August 23, 1991 correspondence. Document submitted included the following:
- Information to support the claim that the Kenilworth facility is included in the Union County Solid Waste Management Plan.
  - U.S. Nuclear Regulatory Commission Materials License (Number 29-00244-02), Licensee: Schering Corporation.
  - State of New Jersey Radioactive Materials License Number NJSL-10297), Licensee: Schering Corporation.
- (4) Documents submitted by Janet Regan, Environmental Affairs Manager of Schering, Kenilworth by means of a letter dated September 17, 1991, to record the facility name change to "Schering-Plough Research Institute".
- (5) Documents submitted by Janet Regan of Schering, Kenilworth by means of a letter dated June 1, 1992, in response to Division of Solid Waste Management comments dated May 4, 1992 and May 19, 1992. Documents submitted included the following:
- Revised Solid Waste Supplement to Standard Application Form CP #1.
  - Tax Map for Borough of Kenilworth, Union County, New Jersey (Figure 1-2), prepared by Robert W. Lee Associates, Inc., Professional Land Surveyors, Hampton, N.J., dated June 1, 1986.
  - Schering-Plough Kenilworth Small Scale Waste Incinerator, Air Quality Permit Application prepared by Ebasco Environmental, dated March 1991.
- (6) Letter dated June 25, 1992 from Janet Regan of Schering, Kenilworth. Included are the following design drawings:
- Drawing No. L-1104, "Layout and Materials Plan" for the Drug Discovery Facility, Schering-Plough Corp., prepared by Haines Lundberg Waehler, Architects, Engineers and Planners, Basking Ridge, N.J., revised for informational purposes on June 23, 1992 to depict the location of ash storage unit, signed and sealed by Peter B. Gardner,

N.J.P.E. License No. GE32404.

- Drawing Number 48-0026, "Dry Scrubber DS 1140 Field Assembly", by Consumat Systems, Inc., Richmond, Va., revised for informational purposes on June 23, 1992 to note location of the fly ash conveyor shroud, signed and sealed by Peter B. Gardner, N.J.P.E. License No. GE32404.
- (7) April 12, 1993 letter from Schering-Plough Research Institute concerning the substitution of sodium bicarbonate for lime. Attached is a copy of a letter dated February 24, 1993 from Schering-Plough Research Institute to the Bureau of Air Quality Engineering.
  - (8) June 8, 1993 letter from Schering-Plough Research Institute concerning request for intra-company transport of waste to the incinerator. Attached is a letter dated May 26, 1993 from the Union County Utilities Authority to Schering-Plough Research Institute.
  - (9) December 7, 1993 letter from Schering-Plough Research Institute regarding modification of the ash sampling and testing procedure.
  - (10) September 9, 1994 letter from Schering-Plough Research Institute requesting change in Permit condition number 1. Attached is a copy of a letter dated August 8, 1994 from the Union County Utilities Authority to Schering-Plough Research Institute.
  - (11) "SPRI - DDF Incinerator Residual Ash Monitoring Program", dated May 30, 1995.
  - (12) "Solid Waste Facility Permit Renewal Application - Small Scale Thermal Destruction Facility - Registration No. 2008001176" (November 1997), by Schering-Plough Drug Discovery Facility, Kenilworth, NJ. This application document also includes the following:
    - May 30, 1997 letter from Schering-Plough transmitting the initial renewal application document.
    - September 4, 1997 letter from Schering Laboratories, with Attachments I-IV.
    - November 7, 1997 letter from Schering Laboratories, with Attachment IV (revised) and Attachment V.
  - (13) March 3, 1998 letter from Schering Laboratories, with certain revised pages to the facility's operations and maintenance manual.
  - (14) March 17, 1998 letter from Schering Laboratories, including a revised page H-1 of the Permit Renewal Application.

- (15) August 7, 2002 letter from Schering-Plough Technical Operations. This letter contains revised page H-1 (of the Permit Renewal Application), other narrative information, "Attachments" A and B, and the following drawing:
  - Drawing Number 48-0026, Revision B (2-3-99), "Dry Scrubber DS 1140 Field Assembly", prepared by Consumat Systems, Inc. This drawing is signed and sealed by F. George Oldenhage, N.J.P.E. License No. 16613.
- (16) Final Operations and Maintenance Manual (Manual) prepared by Ebasco Environmental, titled "Schering-Plough Research Institute Kenilworth Facility - DDF Small-scale Incinerator Operations and Maintenance Manual (October 1992, Revised December 1992)". Also included are all attachments and appendices to the Manual, and all subsequent Department approved revisions of the 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 500 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 "Schering-Plough Security Policy and Procedure Manual".

5. Residue Management

(a) Process Residue Handling and Storage

Ash residues generated by facility operations shall be discharged into and stored in containers, as described in the documents listed in the "Approved Designs, Plans and Reports" condition of this section of the permit. All ash residue storage containers and bags shall be constructed in a manner that protects against leakage of the contents, and shall be filled within the incinerator building. Bottom ash residue shall be discharged into a woven-fabric bag placed in the ash cart. Fly ash shall be collected from the rotary valves of the reactor chamber and the baghouse separately, directly into the woven-fabric bags. Bottom ash and fly ash bags shall be transferred to another building on the Schering-Plough Campus for storage prior to disposal. Should the designated exterior storage area be utilized, the woven-fabric bags shall be placed in fully enclosed and watertight containers. Exterior container storage of ash shall be conducted within the area of the facility grounds designated for this purpose. 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 and bags 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 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:



<u>TIME PERIOD</u>	<u>ANALYSIS:</u>	
	<u>Total Metals</u>	<u>Total Dioxins and Furans</u>
Confirmatory	<p>-</p> <p>Separate sampling of bottom ash and fly ash during the quarter, with analysis of a composite sample of the bottom ash, a composite sample of the baghouse fly ash, and a composite sample of the reactor chamber fly ash for eight heavy metals, as described below</p>	<p>Separate sampling of fly ash and bottom ash during any stack-testing event conducted for dioxins, with analysis of single combined ash composite sample, as described below</p>
Recharacterization	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) **TOTAL METALS ANALYSIS 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 shall be collected from any ash collection/storage bag that is filled during the quarter of operation, as follows: four (4) samples shall be collected from each of the bottom ash bags, four (4) samples shall be collected from each of the baghouse fly ash bags, and four (4) samples shall be collected from each of the reactor chamber fly ash bags filled during each quarter. Samples shall be taken directly from the ash bags using a stainless steel tube sampling device. All discrete bottom ash samples collected shall be composited, all discrete baghouse fly ash samples collected shall be composited, and all discrete reactor chamber fly ash samples shall be composited. Total metals analysis shall be performed on the single composited bottom ash sample, the single composited baghouse fly ash sample, and the single composited reactor chamber fly ash sample for the following metals: arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. Duplicate composite samples of sufficient quantity shall be taken for each of the ash categories, and shall be retained at the facility until the total metals analysis results are received. Should any of the total metals analysis results equal or exceed 20 times the regulatory

threshold level of the Toxicity Characteristic Leaching Procedure (TCLP) for a given parameter, the duplicate composite sample shall be analyzed for the parameter(s) in question, using the TCLP. In that case, four (4) individual samples shall be taken from the duplicate composite sample for analysis.

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

During any stack-testing event measuring dioxin emissions to the atmosphere, at least four (4) samples shall be taken from each separate bag of reactor chamber fly ash, each separate bag of baghouse fly ash, and each separate bag of bottom ash collected during the term of the stack-testing event. A sample representative of the bottom 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. The fly ash samples shall be collected from the fly ash collection bags produced during the term of the stack-testing event.

A sample representative of the fly ash residue generated during the stack-testing event shall be prepared by proportionally combining the reactor chamber fly ash samples and baghouse fly ash samples, collected during the stack-testing event, into a single composited sample. The fly ash and bottom ash composited samples shall then be combined to form a sample representative of the ash residue produced during the stack-testing event. This combined ash residue sample shall be prepared by mixing appropriate amounts of the fly ash composite sample and the bottom ash composite sample in a ratio representative of the generation rate of the two ash streams, on a weight basis. This combined sample shall be analyzed for total dioxins and furans using USEPA Test Method 1613B.

- (3) A new bottom ash and/or 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 total metals confirmatory analyses demonstrate that one or more of the parameters equal or exceed 20 times the regulatory threshold level of the Toxicity Characteristic Leaching Procedure regulatory limits, and the follow-up TCLP results [see (b) (2) (i) immediately above] equal or exceed the regulatory limits.
- (4) Ash recharacterization analysis will be parameter-specific in the instance where the analysis indicates that concentrations in the sample extract are above the defined regulatory threshold for that parameter, resulting in the waste residue requiring reclassification as a hazardous waste. If there is a significant change in facility processes and/or operations, or there is a significant change in the type of waste(s) received for disposal at the

facility, then the recharacterization analysis shall include the full spectrum of listed TCLP parameters. The ash recharacterization period shall consist of a minimum period of four (4) weeks. Bottom ash residue and/or fly ash residue subject to recharacterization shall be sampled on a daily basis in accordance with the procedures outlined in (b) (2) (i) immediately above, or shall be in accord with a revised sampling protocol set forth by the permittee and approved by the Department. The daily samples collected shall be composited into a representative weekly sample during each of the four (4) weeks. A minimum of four (4) separate samples shall be taken from each weekly composite sample, and shall be analyzed for the parameter(s) in question. During the bottom ash and/or fly ash residue recharacterization period, the permittee shall retain an equivalent portion of each composite 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 composite sample was transferred to the laboratory for analysis.

- (5) The permittee shall maintain an approved plan for the secured storage of the bottom ash residue and fly ash residue produced during a residue recharacterization period. Any ash residue generated during the recharacterization 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 recharacterization test period, the confirmatory 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 promptly submit each set of analytical results, with the appropriate statistical analysis (in the case of TCLP), to the Division of Solid and Hazardous Waste upon the receipt of said results.

(c) Ash Residue Removal

All truck bodies and/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/RMW charged to the incinerator for each hour of operation;
  - (2) The daily total weight of waste/RMW incinerated for each day of facility operation; and
  - (3) The quantity (by weight) of bottom ash and fly ash 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