

**GOVERNMENT OF PUERTO RICO/ OFFICE OF THE GOVERNOR  
AIR QUALITY AREA  
ENVIRONMENTAL QUALITY BOARD**

**FINAL PERMIT TITLE V OPERATING PERMIT  
AIR QUALITY AREA  
ENVIRONMENTAL QUALITY BOARD**



Permit Number:	PFE-TV-8026-13-0708-0344
Operating Permit application received:	July 7, 2008
Issue and/or Effective Date:	September 28, 2012
Expiration Date:	September 28, 2017

In accordance with the provisions of Part VI of the Regulation for the Control of Atmospheric Pollution (RCAP) for Puerto Rico and the provisions of the 40 CFR part 70,

**HOSPITAL INTERAMERICANO DE MEDICINA AVANZADA  
H/N/C HIMA  
CAGUAS, PUERTO RICO**

hereinafter referred to as **the Permittee**, or **HIMA** is authorized to operate a stationary source of air contaminants consisting of emissions units described in this permit. Until such time as this permit expires or is modified or revoked, the permittee is allowed to discharge air pollutants from those processes and activities directly related to or associated with air contaminant source(s) in accordance with the requirements, limitations, and conditions of this permit. All conditions in this permit are federally enforceable and state enforceable unless otherwise specified. Requirements which are only state enforceable are identified in the permit. A copy of this permit shall be kept on-site at the above named facility at all times.

Cruz A. Matos Environmental Agencies Building, San José Industrial Park Urbanization  
1375 Ponce de León Avenue, San Juan, PR 00926-2604  
P.O. Box 11488, San Juan, PR 00910  
Phone 787-767-8181 • Fax 787-756-5906

## **TABLE OF CONTENTS**

Section I - General Information .....	1
Section II - Emission Units and Control Device Descriptions .....	2
Section III - General Permit Conditions .....	2
Section IV - Allowable Emissions .....	12
Section V - Specific Permit Conditions .....	12
Section VI - Insignificant Emission Units .....	21
Section VII - Permit Shield.....	22
Section VIII - Permit Approval.....	23
Appendixes .....	24

## **Section I - General Information**

### **A. Facility Information**

Company Name:	Hospital Interamericano de Medicina Avanzada h/n/c HIMA
Postal Address:	P.O. Box 361300 San Juan, P.R. 00936-1300
Facility Location:	Luis Muñoz Marín Avenue Esq. Degetau, Urb. Mariolga Caguas, P.R.
Responsible Official:	Eng. Alejandro Yara V.P. Support Services
Technical Contact:	Eng. Alejandro Yara V.P. Support Services
Phone:	787-653-3434 Ext. 1664
Fax:	787-653-1542
Primary SIC Code:	8062

### **B. Process Description**

The Hospital Interamericano de Medicina Avanzada h/n/c HIMA is located in Luis Munoz Marin Avenue, Esq. Degetau, Mariolga Urbanization in Caguas, Puerto Rico.

The significant emission sources included in this permit are two boilers, six electric generators and two fuel storage tanks. The Hospital Interamericano de Medicina Avanzada is a major source of atmospheric pollutants because it has the potential to emit more than 100 tons per year of nitrogen oxides.

**Section II - Emission Units and Control Device Descriptions**

The emission unit regulated by this permit issuance is the following:

<b>Emission Units</b>	<b>Description</b>	<b>Control Equipment</b>
EU-1	<p style="text-align: center;"><b>Two boilers</b></p> <p>Each with a capacity of 250 hp. With a consumption of 69.5 gallons per hour of fuel oil Num. 5, each.</p>	None
EU-2	<p style="text-align: center;"><b>Six Electric Generators</b></p> <p><b>Three Electric Generators:</b> Each with a power of 2220 hp and diesel consumption at a rate of 103.6 gallons per hour each.</p> <p><b>Two Electric Generators:</b> Each with a power of 2922 hp and diesel consumption at a rate of 135 gallons per hour each.</p> <p><b>One Electric Generator:</b> With a power of 2922 hp and diesel consumption at a rate of 136.6 gallons per hour.</p>	None
EU-3	<p style="text-align: center;"><b>Fuel Storage Tanks</b></p> <p>Two tanks with capacity of 60,000 gallons each. Fixed roof storage tanks. Tank #1 will store diesel and tank #2 will store fuel oil Number 5.</p>	None

**Section III - General Permit Conditions**

1. **Sanctions and Penalties:** HIMA must comply with all the terms, conditions, requirements, limitations and restriction established in this permit. Any violation to the terms of this permit is subject to administrative, civil or criminal measures, as established in Section 16 of the Environmental Public Policy Act (Law No. 416 of September 22, 2004, as amended).

2. **Right of Entry:** As specified under Rules 103 and 603(c)(2) of the RCAP, shall allow the Board or an authorized representative, upon presentation of credentials and other documents as may be required by law, to perform the following activities:
  - a. Enter upon **HIMA** premises where an emission source is located or where emissions related activities are conducted, or where records must be kept under the conditions of this permit, under the RCAP, or under the Clean Air Act;
  - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit, under the RCAP, or under the Clean Air Act;
  - c. Inspect and examine any facility, equipment (including monitoring and air pollution control equipment), practices or operations (including QA/QC methods) regulated or required under this permit; as well as sampling emissions of air quality and fuels; and
  - d. As authorized by the Clean Air Act and the RCAP, to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or other applicable requirements.
3. **Sworn Statement:** All reports required pursuant Rule 103(D) of the RCAP (i.e., semiannual monitoring reports and annual compliance certification) should be submitted together with a sworn statement or affidavit by the Responsible Official or a duly authorized representative. Such sworn statement shall attest to the truth, correctness and completeness of such records and reports.
4. **Data Availability:** As specified under Rule 104 of the RCAP, all emission data obtained by or submitted to the Board, including data reported pursuant to Rule 103 of the RCAP, as well as that obtained in any other way, shall be available for public inspection and may also be made available to the public in any additional manner that the Board may deem appropriate.
5. **Emergency Plan:** As specified under Rule 107 of the RCAP, **HIMA** shall have available an Emergency Plan which must be consistent with adequate safety practices, and provides for the reduction or retention of the emissions from the plant during periods classified by the Board as air pollution alerts, warnings or emergencies. These plans shall identify the emission sources, include the reduction to be accomplished for each source, and the means by which such reduction will be accomplished. These plans will be available for any representative of the Board at any time.
6. **Compliance Certification:** As specified under Rule 602(c)(2)(ix)(C) of the RCAP, **HIMA** shall submit each year a compliance certification. This certification must be

submitted to both the Board and the EPA<sup>1</sup> no later than April 1<sup>st</sup> after each anniversary of this permit. The compliance certification shall include, but is not limited to, the information required under Rule 603(c) of the RCAP as follows:

- a. The identification of each term or condition of the permit that is the basis of the certification; and
  - b. The compliance status. Each deviation shall be identified and taken into account in the compliance certification; and
  - c. A statement indicating whether the compliance was continuous or intermittent; and
  - d. The methods or other means used for determining the compliance status with each term and condition, currently and over the reporting period consistent with sections (a)(3)-(5) of Rule 603 of the RCAP; and
  - e. Identification of possible exceptions to compliance, any periods which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 (CAM) occurred; and
  - f. Such other facts as the Board may require to determine the compliance status of a source.
7. **Regulation Compliance:** As specified under Rule 115 of the RCAP, any violation to the RCAP, or to any other applicable rule or regulation, shall be grounds for the Board to suspend, modify, or revoke any relevant permit, approval, variance or other authorization issued by the Board.
8. **Location Approval:** As specified under Rule 201 of the RCAP, nothing in this permit shall be interpreted as authorizing the location or construction of a major stationary source, or the modification of a major stationary source, or a major modification of a significant source, without obtaining first a location approval from the Board and without first demonstrating compliance with the National Ambient Air Quality Standards (NAAQS). This permit does not allow the construction of new minor sources without the required permit under Rule 203 of the RCAP.

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<sup>1</sup> The certification to the EQB shall be mailed to: Manager, Air Quality Area, P.O. Box 11488, San Juan, P.R. 00910. The certification to the EPA shall be mailed to: Chief, Enforcement and Superfund Branch CEPD, US EPA – Region II, City View Plaza II Building, Suite 7000<sup>th</sup> Floor, 48 Road 165 Km 1.2, Guaynabo, P.R. 00968-8069.

9. **Objectionable Odors:** As specified under Rule 420 of the RCAP, **HIMA** shall not cause or permit emissions to the atmosphere of any matter which produces an *objectionable* odor that can be perceived in an area other than that designated for industrial purposes. If objectionable odors are detectable beyond **HIMA** property perimeter, and complaints are received, the permittee shall investigate and take measures to minimize and/or eliminate the objectionable odors, if necessary. [This condition is enforceable only by the State].
10. **Permit Renewal Applications:** As established under Rule 602 (a)(1)(iv) of the RCAP, **HIMA's** applications for permit renewal shall be submitted at least 12 months prior to the date of permit expiration. A responsible official must certify all required applications consistent with paragraph (c)(3) of Rule 602.
11. **Permit Duration:** As specified under Rule 603 of the RCAP, the following terms will apply during the duration of this permit:
  - a. Expiration: This authorization shall have a fixed term of 5 years. The expiration date will be automatically extended until the Board approves or denies a renewal application (Rule 605(c)(4)(ii) of the RCAP) but only in those cases where **HIMA** submits a complete renewal application at least 12 months before the expiration date. [Rule s 603 (a)(2), 605 (c)(2), and 605(c)(4) of the RCAP]
  - b. Permit Shield: As specified under Rule 605 (c)(4)(i) of the RCAP, the permit shield may be extended until the time the permit is renewed if a timely and complete renewal application is submitted.
  - c. In case that this permit is subject to any challenge by third parties, the permit shall remain in effect until the time it is revoked by a court of law with jurisdiction in the matter.
12. **Recordkeeping Requirement:** As established under Rule 603(a)(4)(ii) of the RCAP, **HIMA** shall retain records of all required monitoring data and support information for a period of 5 years from the date of the monitoring sample, measurement, report, or application.
13. **Reporting Requirement:** As established under Rule 603(a)(5)(i) of the RCAP, **HIMA** shall submit reports of all required monitoring every 6 months, or more frequently if required by the Board or any other underlying applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official as established under Rule 602(c)(3) of the RCAP.

- 14. Deviations Reporting due to Emergencies:** According to Rule 603(a)(5)(ii) of the RCAP, any deviation resulting from an upset (such as sudden malfunction or breakdown) or emergency conditions, as defined in Rule 603(e) of the RCAP, must be reported within the next 2 working days of the time when emission limitations were exceeded due to the emergency, if **HIMA** wishes to assert the affirmative defense authorized under Rule 603(e) of the RCAP. If **HIMA** raises the emergency defense upon an enforcement action, the permittee shall demonstrate that such deviation occurred due to an emergency and that the Board was adequately notified. If such emergency deviation lasts for more than 24 hours, the affected units may be operated until the end of the cycle or 48 hours, whichever occurs first. The Board may only extend the operation of an emission source in excess of 48 hours, if the source demonstrates to the Board's satisfaction that the National Air Quality Standards have not been exceeded and that there is no risk to the public health.
- 15. Deviation Reporting (Hazardous Air Pollutants):** The source shall act as specified in its Emergency Response Plan (established in Rule 107 (C) of the RCAP), when such Plan has demonstrated that there is no significant impact at the fence line or shall shut down its operations immediately if there is a significant impact at the fence line. (This condition is state-enforceable only). Pursuant to Rule 603 (a)(5)(ii)(b), a notification will be required if a deviation occurs that results in the release of emissions of hazardous air pollutants for more than an hour in excess of the applicable limit. The permittee shall notify the Board within 24 hours of the deviation. For the discharge of any regulated air pollutant that continues for more than 2 hours in excess of the applicable limit, the Permittee shall notify the Board within 24 hours of the deviation. The Permittee shall also submit to the Board, within 7 days of the deviation, a detailed written report which includes probable causes, time and duration of the deviation, remedial action taken, and steps which are being taken to prevent a reoccurrence.
- 16. Severability Clause:** As established under Rule 603(a)(6) of the RCAP, the clauses in this permit are severable. In the event of a successful challenge to any portion of the permit in an administrative or judicial forum, or in the event any of its clauses is held to be invalid, all other portions of the permit shall remain valid and effective, including those related to emission limits, terms and conditions, be they specific or general, as well as monitoring, record keeping and reporting requirements.
- 17. Permit Noncompliance:** As established under Rule 603(a)(7)(i) of the RCAP, **HIMA** must comply with all conditions of this permit. Permit noncompliance constitutes a violation of the RCAP and will be grounds for taking the appropriate enforcement action, impose sanctions, revoke, terminate, modify, and/or reissue the permit, or to deny a permit renewal application.
- 18. Defense not Allowed:** As specified under Rule 603(a)(7)(ii) of the RCAP, it shall not be a defense for a permittee in an enforcement action that it would have been necessary



to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

19. **Permit Modification and Revocation:** As specified under Rule 603(a)(7)(iii) of the RCAP, the permit may be modified, revoked, reopened, reissued, or terminated for cause. The filing of a request by **HIMA** for a permit modification, revocation, reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
20. **Property Rights:** As specified under Rule 603(a)(7)(iv) of the RCAP, this permit does not convey any property rights of any sort, nor does it grant any exclusive privilege.
21. **Obligation to Furnish Information:** As specified under Rule 603(a)(7)(v) of the RCAP, **HIMA** shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, **HIMA** shall also furnish to the Board copies of records required to be kept by the permit.
22. **Prohibition on Default Issuance:** As specified under Rule 605(d) of the RCAP, it shall never be considered that a permit has been issued by default as a result of the Board's failure to take final action on a permit application within 18 months as of the application completeness date. The Board's failure to issue a final permit within 18 months should be treated as a final action solely for the purpose of obtaining judicial review in a state court.
23. **Administrative Permit Amendments and Permit Modifications:** As specified under Rule 606 of the RCAP, the permit shall not be amended nor modified unless **HIMA** complies with the requirements for administrative permit amendments and permit modifications as described in the RCAP.
24. **Permit Reopenings:** As specified under Rule 608(a)(1), this permit shall be reopened and revised under the following circumstances:
  - a. Whenever additional applicable requirements under any law or regulation become applicable to **HIMA** when the remaining permit term is of 3 or more years. Such reopening shall be completed 18 months after promulgation of said applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to Rule 605(c)(4)(i) or Rule 605(c)(4)(ii) of the RCAP.

- b. Whenever the Board or EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emission standards or other terms or conditions of the permit.
  - c. Whenever the Board or EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
25. **Changes in Name or Responsible Official:** This permit is issued to **Hospital Interamericano de Medicina Avanzada h/n/c HIMA**. In the event that the company and/or installation change its name, the responsible official must submit an administrative amendment to this permit to reflect the change in name. If the event that the responsible official changes, the new responsible official must submit no later than 30 days after the change, an administrative amendment including a sworn statement in which he/she accepts and promises to comply with all the conditions of this permit.
26. **Changes in Ownership:** This permit is issued to **Hospital Interamericano de Medicina Avanzada h/n/c HIMA**. In the event that the company and/or installation is transferred to a different owner or change operational control and the Board determines that no other change in the permit is necessary, the new responsible official must submit an administrative amendment. The administrative amendment shall include a sworn statement in which the new responsible official accepts and promises to comply with all the conditions of this permit, and a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee. This is not applicable if the Board determines that changes to the permit are necessary.
27. **Renovation/Demolition Work:** **HIMA** shall comply with the provisions set forth in 40 CFR §61.145 and §61.150, and Rule 422 of the RCAP when conducting any renovation or demolition activities of asbestos containing materials at the facility.
28. **Risk Management Plan:** If during the effectiveness of this permit, **HIMA** is subject to the 40 CFR part 68, the permittee shall submit a Risk Management Plan according with the compliance schedule in the 40 CFR part 68.10. If during the effectiveness of this permit, **HIMA** is subject to the 40 CFR part 68, the permittee shall submit a compliance certification with the requirements of part 68 as part of the annual compliance certification required under 40 CFR part 70, including the recordkeeping and the Risk Management Plan.
29. **General Duty Requirements:** **HIMA** has the general obligation of identifying hazards which may result from accidental releases of any controlled substance under section 112(r) of the Clean Air Act or any other extremely hazardous substance in a process, using appropriate hazard assessment techniques, designing, maintaining, and operating

a safe facility and minimizing the consequences of accidental releases if they occur as required in section 112(r)(1) of the Act and Rule 107(D) of the RCAP.

**30. Requirements for Refrigerants (Climatologic and Stratospheric Ozone Protection):**

- a. In the event that **HIMA** has equipment or appliances, including air conditioning units, which use Class I or II refrigerants as defined in 40 CFR part 82, subpart A, Appendices A and B, he/she shall take the necessary measures to ensure that all maintenance, service or repair services performed are done so according to the practices, certification and personnel requirements, disposition requirements, and recycling and/or recovery equipment certification requirements specified under 40 CFR part 82, subpart F.
- b. Owners/ operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.
- c. Service on Motor Vehicles: If **HIMA** performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), **HIMA** is subject to all the applicable requirements as specified in 40 CFR part 82, subpart B, Servicing of Motor Vehicle Air Conditioners. The term motor vehicle as used in subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term MVAC as used in subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo or system used on passenger buses using HCFC-22 refrigerant.

**31. Labeling of Products Using Ozone-Depleting Substances:** **HIMA** shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR part 82, subpart E.

- a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to §82.106 of the 40 CFR.
- b. The placement of the required warning statement must comply with the requirements pursuant to §82.108.
- c. The form of the label bearing the required warning statement must comply with the requirements pursuant to §82.110 of the 40 CFR.

- d. No person may modify, remove, or interfere with the required warning statement except as described in §82.112 of the 40 CFR.
32. **Roof Surface Coating:** This is a state-only requirement. **HIMA** shall not cause or permit the roof surface coating by applying hot tar or any other coating material containing organic compounds without previous notification to the Board. The use of used oil or hazardous waste for roof surface coating is prohibited.
  33. **Open Burning:** Pursuant to Rule 402 (A) of the RCAP, **HIMA** shall not cause or permit the open burning of refuse in their premises except as established under Rule 402 (E) of the RCAP to conduct training or research of fire fighting techniques, as previously approved by the Board.
  34. **Fugitive Emissions:** Compliance with Rule 404 of the RCAP
    - a. **HIMA** shall use water or suitable chemicals for chemical stabilization and the control of dust in the demolition of a building or structures, construction operations, quarrying operations, the grading of roads, or the clearing of lands.
    - b. **HIMA** shall not cause or permit the discharge of visible emissions of fugitive dust beyond the boundary line of the property on which the emissions originate.
    - c. When air pollutants escape from a building or equipment and cause and nuisance or violate any regulations, the Board may order that building or equipment in which processing, handling, and storage are done, be tightly closed and/or ventilated so that all emissions from the building or equipment are controlled to remove or destroy such air pollutants before being discharged to the open air. The implementation of this measure should not create occupational health hazards.
  35. **Compliance Clause:** Under no circumstances does compliance with this permit exempt **HIMA** from complying with all other applicable state or federal laws, regulations, permits, administrative orders or applicable court orders.
  36. **Emissions Calculations:** **HIMA** shall submit, on the first day of April each year, the actual or permissible emissions calculations for the previous natural year. The emissions calculations shall be submitted on the forms prepared by the Board for this purpose and the responsible official must certify all the information submitted as true, correct and representative of the permitted activity.
  37. **Annual fee:** As specified under Rule 610 of the RCAP, **HIMA** must submit an annual payment based on the emissions calculations for each regulated pollutant. The payment will be based on their actual emissions at a rate of \$37.00 per ton, unless the Board

decides otherwise as permitted under Rule 610(b)(2)(iv) of the RCAP. This payment for the previous year must be made on or before **June 30 of each year**.

38. **New or Amended Regulation:** Whether a federal or state regulation is promulgated or amended and the facility is affected by it, the owner or operator shall comply with the requirements of the new or amended regulation.
39. **Reciprocating Internal Combustion Engines:** Any facility that owns or operate an existing, new or reconstructed stationary Reciprocating Internal Combustion Engines (RICE)<sup>2</sup>, not been tested at a stationary cell/stand is affected by the National Emission Standards for Hazardous Air Pollutants for stationary Reciprocating Internal Combustion Engines contained in the 40 CFR part 63, Subpart ZZZZ, and according to the sources category will be subject to the applicable requirements of this rule. Unless it is determined that this regulation is not applicable to **HIMA** or the source is exempted, the affected source must comply with the applicable emission limitations and/or operating limitations of this subpart, by the date specified by the source category, or in an extension of compliance granted according to 40 CFR §63.6(i). If this regulation is revised, **HIMA** shall revise its applicability for the RICE in the facility and comply with the new applicable requirements. **HIMA** shall comply with the applicable notification requirements of 40 CFR §63.6645 and in 40 CFR part 63, subpart A by the dates specified.
40. **Reports:** Any requirement of information submittal to the Board shall be addressed to: Manager, Air Quality Area, PO Box 11488, San Juan, P.R. 00910.
41. **Reservation of Rights:** Except as expressly provided in this Title V permit:
- a. Nothing herein shall prevent EPA or the Board from taking administrative enforcement measures or seeking legal or equitable relief to enforce the terms of the Title V permits, including but not limited to the right to seek injunctive relief, and imposition of statutory penalties and/or fines.
  - b. Nothing herein shall be construed to limit the rights of EPA or the Board to undertake any criminal enforcement activity against **HIMA** or any person.
  - c. Nothing herein shall be construed to limit the authority of EPA or the Board to undertake any actions in response to conditions that present an imminent and substantial endangerment to public health or welfare, or the environment.

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<sup>2</sup> As defined on 40 CFR, §63.6585(a).

- d. Nothing herein shall be construed to limit **HIMA's** rights to administrative hearing and judicial appeal of termination/ revocation/ disputes over modification/ denial actions in accordance with regulations and the Environmental Public Policy Act.

**Section IV - Allowable Emissions**

A. The emissions described on the following table represent the facility allowable emissions at the moment of the permit application and will be used only for payment purposes. According to Resolution RI-06-02<sup>3</sup>, the emission calculations shall be based on **HIMA's** actual emissions, although calculations based on the facility permissible emissions will be accepted. If **HIMA** decides to realize the calculations based on permissible emissions, **HIMA** shall pay the same charge per ton as the facilities that decide to do the calculations based on actual emissions. Also, when **HIMA** applies for a modification, administrative change or minor modification to its Title V permit, the source will pay only those charges related with any emission increase (if any) per tonnage, based on the change and not based on the total fees paid previously according to Rule 610(a) of the RCCAP.

<b>Pollutants</b>	<b>Emissions (Ton/yr)</b>
PM	7.44
SO <sub>2</sub>	90.68
NO <sub>x</sub>	114.35
CO	25.34
VOC	3.61
HAP's	0.037

**Section V - Specific Permit Conditions**

**1. EU-1: Two boilers**

<b>Condition</b>	<b>Parameter</b>	<b>Value</b>	<b>Units</b>	<b>Test Method</b>	<b>Method Frequency</b>	<b>Record keeping Requirements</b>	<b>Reporting Frequency</b>
Emission limit for particulate matter	Particulate matter	0.3	Lb/MMBtu	Method 5	Once during the first year of permit	Test results	60 days after the test

<sup>3</sup> EQB Resolution - Payment procedure of Title V operation fees and charges for Title V renewal permits (Procedimiento de Pago de los cargos de operación de Título V y Cargos por renovación de permiso Título V) issued on March 20, 2006.

Condition	Parameter	Value	Units	Test Method	Method Frequency	Record keeping Requirements	Reporting Frequency
Opacity limit	Opacity	20	Percent	Method 9	Once during the first year of permit	Tests results	60 days after the test
SO <sub>2</sub> emission limit	Sulfur Content	≤ 0.8	Percent by weight	Fuel supplier certification	With each receipt	Record with each receipt of the sulfur content on fuel	Monthly
Fuel Consumption Limit	No. 5 Fuel Oil	1,217,640	Gallons per year	Consumption	Daily	Recordbook	Monthly

a. PARTICULATE MATTER EMISSION LIMIT:

- (i) The permittee shall not cause nor permit the emission of particulate matter, from any equipment burning solid or liquid fuel, in excess of 0.3 lb/MMBtu of heat input. [Rule 406 of the RCAP]
- (ii) The permittee shall conduct a performance test during the first year of the permit using Method 5 described in 40 CFR, Part 60, Appendix A to determine the particulate matter concentration during representative periods of normal operation.
- (iii) The permittee shall submit to the Board at least thirty (30) days prior to the start of the test, a detailed test protocol describing all test equipment, procedures, and Quality Assurance measures to be used. [Rule 106(C) of the RCAP]
- (iv) The permittee shall notify in writing the Board at least fifteen (15) days of prior of the initial test under Method 5, to allow the Board the opportunity to have an observer present. [Rule 106 (D) of the RCAP]
- (v) Two (2) copies of the report of the initial reading under Method 5 shall be submitted by the permittee within 60 days after the tests. This report shall contain the information required in Rule 106 (E) of the RCAP.
- (iv) As specified in Rule 603(a)(4)(ii) of the RCAP, the permittee shall retain all records for the required monitoring and supporting information for a period of five (5) years from the date of the monitoring sample, measurement, report or application.

b. VISIBLE EMISSIONS LIMIT:

- (i) The permittee shall not exceed the opacity limit of 20%, in six (6) minutes average for the units. Nevertheless, the permittee may discharge into the atmosphere visible emissions of an opacity up to 60% for a period of no more than four (4) minutes in any consecutive thirty (30) minutes interval. [Rule 403(A) of the RCAP]
- (ii) The permittee shall contract an independent opacity reader, certified in a school approved by EPA or EQB, to perform one opacity reading to each stack of each burner during the first year of the permit using Method 9 established under 40 CFR part 60, Appendix A. The applicable boiler shall be operating at the time of performance of the opacity readings.
- (iii) The permittee shall submit to the Board, a copy of the format to be used to record the readings of visible emissions at least thirty (30) days prior to the reading of the initial opacity reading. [Rule 106(C) of the RCAP]
- (iv) The permittee shall notify in writing the Board at least fifteen (15) days of prior of the initial test under Method 9, to allow the Board the opportunity to have an observer present. [Rule 106 (D) of the RCAP]
- (v) Two (2) copies of the report of the initial reading under Method 9 shall be submitted by the permittee within 60 days after the tests. This report shall contain the information required in Rule 106 (E) of the RCAP.
- (vi) As specified in Rule 603(a)(4)(ii) of the RCAP, the permittee shall retain all records for the required monitoring and supporting information for a period of five (5) years from the date of the monitoring sample, measurement, report or application.

c. SULFUR CONTENT LIMIT:

- (i) The permittee shall not burn or allow the use in any fuel burning equipment, any fuel with a sulfur content, by weight, which exceeds 0.8% in unite EU-1. [PFE-13-0707-0720-II-C]
- (ii)
- (iii) The permittee shall keep a copy of the fuel supplier certification indicating the fuel sulfur content to demonstrate compliance with the requirement of keeping a daily record of the sulfur content in the fuel.
- (iv) The permittee shall submit a monthly report indicating on a daily basis, the sulfur content (percent by weight) in the fuel consumed and the quantity of



fuel consumption in each unit. This report shall be addressed to the Chief of the Validations Data and Mathematical Model Division no later than the next 15 days of the month following for which the report is representative and shall be kept available at any time at the facility for the revision of the technical personnel of the Board or EPA. [PFE-13-0707-0720-II-C]

- (v) As specified in Rule 603(a)(4)(ii) of the RCAP, the permittee shall retain all records of required monitoring data and supporting information for a period of five (5) years from the date of the monitoring sample, measurement, report or application. These include a record of the monthly fuel consumption and the sulfur content in the fuel burned.
- (v) The permittee shall submit, with each annual compliance certification, a summary of the reports for that year indicating the sulfur content by weight for the fuels consumed monthly.

d. FUEL CONSUMPTION LIMIT:

- (i) The permittee shall not exceed the consumption limit for No. 5 fuel oil of **1,217,640 gallons** for any period of twelve (12) consecutive months for the two boilers (EU-1). The fuel consumption for any consecutive 12-month period shall be calculated by adding the monthly consumption for the unit to the total fuel consumption for the unit for the previous 11 months. [PFE-13-0707-0720-II-C]
- (ii) The permittee shall maintain, and operate a flow meter at the exit of each boiler. The permittee shall calibrate the flow meters every six months and shall maintain the records that indicate the date and results of the calibration. This report shall be readily accessible and available for the revision of the technical personnel of the Board. [PFE-13-0707-0720-II-C]
- (iii) The permittee shall maintain monthly records that indicate the fuel consumption in unit EU-1. These records shall be kept available at any time at the facility for the revision of the technical personnel of the Board. [PFE-13-0707-0720-II-C]
- (iv) As specified in Rule 603(a)(4)(ii) of the RCAP, the permittee shall retain all records of required monitoring data and supporting information for a period of five (5) years from the date of the monitoring sample, measurement, report or application. These include the records of the monthly and annual fuel consumption reports.

- (v) The permittee shall submit, with each annual compliance certification, an annual report summary indicating the fuel consumption of units EU-2, EU-3, EU-4, EU-5, and EU-6 in term of the monthly and annual consumption.
- e. NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR INDUSTRIAL, COMMERCIAL, AND INSTITUTIONAL BOILER AREA SOURCES (40 CFR PART 63 SUBPART JJJJJ)
- (i) EU-1 boilers are subject to the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boiler Area Sources contained in 40 CFR Part 63 Subpart JJJJJ. The boilers shall demonstrate compliance with the following:

Recordkeeping	Conduct Performance Tune-up <sup>1</sup>	Conduct Energy Assessment
HIMA shall submit a Biennial compliance certification report. [40 CFR §63.11225(b)]	HIMA shall conduct a performance tune-up in each boiler.	HIMA shall conduct an Energy Assessment in each boiler no later than March 21, 2014 as specified in Table 2 of subpart JJJJJ according to 40 CFR §63.11201.
HIMA shall prepare first report by March 1, 2015.	The first tune-up shall be completed by March 21, 2012. <sup>2</sup>	
Subsequent reports prepared by March 1 of every other year.	[40 CFR §63.11196(a)(1)]	
HIMA shall keep records of dates and procedures for each boiler tune-up [40 CFR §63.11225(c)(2)(i) and §63.11223(b)(6)]	Subsequent tune-ups should be completed no later than 25 months after the previous tune-up. [40 CFR §63.11223 (b).]	
HIMA shall keep records of fuel use [40 CFR §63.11225(c)(2)(ii)].		
For compliance with this subpart, HIMA should begin keeping fuel records on May 20, 2011.		
HIMA shall keep records of all submitted notifications. [40 CFR §63.11225(c)(1)]		
HIMA shall complete the Energy Assessment Report by March 21, 2014. [40 CFR §63.11214(c)]		

<sup>1</sup> EPA published a guide for tune-up performance and an example form for maintenance records in <http://www.epa.gov/airtoxics/boiler/boilerpg.html>.

<sup>2</sup> March 3, 2012 EPA Letter – No Action Assurance Regarding Certain Work Practice or Management Practice Standard Deadlines in the March 2011 Area Source Boiler Rule. According to EPA’s No Action Assurance letter, EPA will exercise its discretion not to pursue enforcement for violations of the deadline to complete an initial tune-up identified in 40 CFR §63.11196(a)(1) and this will remain in effect until either (1) 11:59 PM EDT, October 1, 2012, or (2) the effective date of a final rule addressing the proposed reconsideration of the Area Source Boiler Rule, whichever occurs earlier.

- (ii) HIMA shall submit a construction permit modification according with the requirements in Rule 203 of the RCAP, if another fuel will be combusted in any of the EU-1 boilers.
- (iii) HIMA shall comply with all the applicable General Provisions contained in Table 8 of 40 CFR Part 63 Subpart JJJJJ.

**2. EU-2: Six electric generators**

Condition	Parameter	Value	Units	Test Method	Method Frequency	Record keeping Requirements	Reporting Frequency
Emission limit for particulate matter	Particulate matter	0.3	Lb/MMBtu	Method 5	Once during the first year of permit	Test results	60 days after the test
Opacity limit	Opacity	20	Percent	Method 9	Once during the first year of permit	Tests results	60 days after the test
SO <sub>2</sub> emission limit	Sulfur Content	≤ 0.5	Percent by weight	Fuel supplier certification	With each receipt	Record with each receipt of the sulfur content on fuel	Monthly
Operating Hours Limit	Hours	500	Hours per year for each	Operation	Daily	Record book	Monthly

a. PARTICULATE MATTER EMISSION LIMIT:

- (i) The permittee shall not cause nor permit the emission of particulate matter, from any equipment burning solid or liquid fuel, in excess of 0.3 lb/MMBtu of heat input. [Rule 406 of the RCAP]
- (ii) The permittee shall conduct a performance test during the first year of the permit using Method 5 described in 40 CFR, Part 60, Appendix A to determine the particulate matter concentration during representative periods of normal operation.

- (iii) The permittee shall submit to the Board at least thirty (30) days prior to the start of the test, a detailed test protocol describing all test equipment, procedures, and Quality Assurance measures to be used. [Rule 106(C) of the RCAP]
- (iv) The permittee shall notify in writing the Board at least fifteen (15) days prior of the initial test under Method 5, to allow the Board the opportunity to have an observer present. [Rule 106 (D) of the RCAP]
- (v) Two (2) copies of the report of the initial reading under Method 5 shall be submitted by the permittee within 60 days after the tests. This report shall contain the information required in Rule 106 (E) of the RCAP.
- (vi) As specified in Rule 603(a)(4)(ii) of the RCAP, the permittee shall retain all records for the required monitoring and supporting information for a period of five (5) years from the date of the monitoring sample, measurement, report or application.

b. **VISIBLE EMISSIONS LIMIT:**

- (i) The permittee shall not exceed the opacity limit of 20%, in six (6) minutes average for the units. Nevertheless, the permittee may discharge into the atmosphere visible emissions of an opacity up to 60% for a period of no more than four (4) minutes in any consecutive thirty (30) minutes interval. [Rule 403(A) of the RCAP]
- (ii) The permittee shall contract an independent opacity reader, certified in a school approved by EPA or EQB, to perform one opacity reading to each stack of each burner during the first year of the permit using Method 9 established under 40 CFR part 60, Appendix A. The applicable electric generator shall be operating at the time of performance of the opacity readings.
- (iii) The permittee shall submit to the Board, a copy of the format to be used to record the readings of visible emissions at least thirty (30) days prior to the reading of the initial opacity reading. [Rule 106(C) of the RCAP]
- (iv) The permittee shall notify in writing the Board at least fifteen (15) days prior of the initial test under Method 9, to allow the Board the opportunity to have an observer present. [Rule 106 (D) of the RCAP]

- (v) Two (2) copies of the report of the initial reading under Method 9 shall be submitted by the permittee within 60 days after the tests. This report shall contain the information required in Rule 106 (E) of the RCAP.
  - (vi) As specified in Rule 603(a)(4)(ii) of the RCAP, the permittee shall retain all records for the required monitoring and supporting information for a period of five (5) years from the date of the monitoring sample, measurement, report or application.
- c. SULFUR CONTENT LIMIT:
- (i) The permittee shall not burn or allow the use in any fuel burning equipment, any fuel with a sulfur content, by weight, which exceeds 0.5% for the electric generators in unit EU-2. [PFE-GE-13-0707-0199-RC, PG-GE-13-0607-0101-RC]
  - (ii) The permittee shall keep a copy of the fuel supplier certification indicating the fuel sulfur content to demonstrate compliance with the requirement of keeping a daily record of the sulfur content in the diesel.
  - (iii) The permittee shall maintain monthly records that indicate the fuel consumption in unit EU-2. These records shall be kept available at any time at the facility for the revision of the technical personnel of the Board. [PFE-GE-13-0707-0199-RC, PG-GE-13-0607-0101-RC]
  - (iv) The permittee shall submit a monthly report indicating on a daily basis, the sulfur content (percent by weight) in the fuel consumed and the quantity of fuel consumption in each unit. This report shall be addressed to the Chief of the Validations Data and Mathematical Model Division no later than the next 15 days of the month following for which the report is representative and shall be kept available at any time at the facility for the revision of the technical personnel of the Board or EPA. [Rule 410 of the RCAP]
  - (v) As specified in Rule 603(a)(4)(ii) of the RCAP, the permittee shall retain all records of required monitoring data and supporting information for a period of five (5) years from the date of the monitoring sample, measurement, report or application. These include a record of the monthly fuel consumption and the sulfur content in the fuel burned.
  - (vi) The permittee shall submit, with each annual compliance certification, a summary of the reports for that year indicating the sulfur content by weight for the fuels consumed monthly.

d. OPERATING HOURS LIMIT:

- (i) The permittee shall not exceed the operating hour's limit of 500 hours per year for each electric generator in unit EU-1 for any period of twelve (12) consecutive months. The hours of operation for any consecutive 12-month period shall be calculated by adding the monthly hours of operation for the unit to the total hours of operations for the unit for the previous 11 months. [PFE-GE-13-0707-0199-RC, PG-GE-13-0607-0101-RC]
- (ii) The permittee shall maintain and operate operating hour's meters in each electric generator in unit EU-2. [PFE-GE-13-0707-0199-RC, PG-GE-13-0607-0101-RC]
- (iii) As specified in Rule 603(a)(4)(ii) of the RCAP, the permittee shall retain all records of required monitoring data and supporting information for a period of five (5) years from the date of the monitoring sample, measurement, report or application. These include the records of the monthly and annual fuel consumption reports.
- (iv) The permittee shall submit, with each annual compliance certification, an annual report summary indicating the fuel consumption of units EU-2 in terms of the monthly and annual consumption.'

e. NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR RECIPROCATING INTERNAL COMBUSTION ENGINES LOCATED AT AREA SOURCES (40 CFR PART 63 SUBPART ZZZZ)

- (i) According to section 63.6590 of subpart ZZZZ, engines in EU-2 meet the requirements of subpart ZZZZ by meeting the requirements of 40 CFR, part 60 subpart IIII, if applicable. However EU-2 is not subject to 40 CFR, part 60, subpart IIII (see Section VII(B) of this permit).

**3. EU-3: Two storage tanks (60,000 gallons)**

Condition	Parameter	Value	Units	Test method	Method Frequency	Record keeping Requirements	Reporting Frequency
Tank #1 Charge Limit	Diesel	60,000	Gallons per year	Records	Daily	Logbook	Available at any time for revision.
Tank #2 Charge Limit	Fuel Oil Num. 5	60,000	Gallons per year	Records	Daily	Logbook	Available at any time for revision.

a. TANK CHARGE LIMITS

- (i) The tanks with 60,000 gallons capacity shall only be used for fuel storage. Tank #1 will store diesel and Tank #2 will store fuel oil Num. 5. The maximum storage amount permitted is 60,000 gallons per year for each tank. [PFE-13-0607-0642-I-C]
- (ii) The permittee shall maintain a record which indicates the quantity of diesel and fuel oil Number 5 stored in each tank. This record shall be kept available at any time at the facility for the revision of the technical personnel of the Board. [PFE-13-0607-0642-I-C]

b. OTHER REQUIREMENTS

- (i) The permittee shall maintain at any time the records and documentation that demonstrates the dimensions of each tank and the analysis that demonstrates the capacity of each tank. [40 CFR§60.116(b), PFE-13-0607-0642-I-C]
- (ii) The permittee shall visually inspect the tanks at least once a year to identify defects that can result in emissions to the air. If any defect is found during the inspections to the tanks, it shall be repaired or the tank will not be allowed to operate. [PFE-13-0607-0642-I-C]
- (iii) The permittee shall maintain copy of the tanks for at least five (5) years, except for the records with the dimensions and capacity of the tanks that shall be maintained during all the time that each tank is physically at the facility. [PFE-13-0607-0642-I-C]

**Section VI - Insignificant Emission Units**

**HIMA** provided the following list of insignificant activities for a better understanding of its operations and layout. Since there is no requirement to update this list, activities may have changed since this filing; however, **HIMA** must include the list for insignificant activities, which are exempted because of size or production rate. Only exempted activities and emissions units that require and have construction permit under Rule 203 of the RCAP are included. The following activities will be considered insignificant as long as **HIMA** complies with the descriptions indicated below.

A. Insignificant Emission Units and Base of Its Exemption.

<b>Emission Unit ID</b>	<b>Capacity</b>	<b>Description (Basis for exemption)</b>
Propane Storage Tank	500 gallons	Appendix B(3)(ii)(N) of the RCAP - Storage tanks with a capacity of less than 10,000 gallons.
Two laundry dryers	-	Appendix B(3)(xii) of the RCAP – Commercial laundries (except dry cleaners) not using liquid or solid fuel.
Wood Shop with Dust Collector with exhaust to the inside of the building.	-	Appendix B(3)(ii)(P) of the RCAP – Individual emission unit with allowable emission rates of less than 1 ton per year of PM <sub>10</sub> .

**Section VII - Permit Shield**

A. As specified under Rule 603(D) of the RCAP, compliance with the conditions of the permit shall be deemed compliance with any applicable requirement as of the date of permit issuance, but only if such applicable requirement is included and specifically identified in the permit.

B. Non-Applicable Requirements

<b>Non-Applicable Requirements</b>	<b>Regulation</b>	<b>Description</b>
<b>Facility Wide</b>		
Ethylene Oxide Emissions Standards for Sterilization Facilities	<b>Federal</b> 40 CRF part 63, subpart W	The facility does not operate sterilization units with ethylene oxide.
Air Control Equipment	<b>State</b> Rule 108 of the RCAP	This rule does not apply if the facility does not have air control equipment.
<b>EU-1</b>		
New Source Performance Standards: Standards of Performance for Fossil-Fuel-Fired Steam Generators; Standards of Performance for Industrial-Commercial-Institutional Steam Generating	<b>Federal</b> 40 CFR, part 60, subpart Dc	The two boilers in unit EU-1 are less than 10 MMBtu/hr (300 hp).



Non-Applicable Requirements	Regulation	Description
<b>Facility Wide</b>		
<b>EU-2</b>		
Units		
New Source Performance Standards: Stationary Compression Ignition Internal Combustion Engine	<b>Federal</b> 40 CFR, part 60, subpart III	All the electric generators in unit EU-2 were manufactured before April 1, 2006.
<b>EU-3</b>		
New Source Performance Standards: Volatile Organic Liquid Storage Vessel	<b>Federal</b> 40 CFR, part 60, subpart Kb	Both tanks are exempted because they have a capacity greater than 75 m <sup>3</sup> but less than 151 m <sup>3</sup> and a vapor pressure less than 15.0 kPa (2.18 psia).

**Section VIII – Permit Approval**

By virtue of the authority conferred upon the Environmental Quality Board by the Public Policy Environmental Act, Public Law Number 416 of September 22, 2004, as amended, and after verifying the administrative record and compliance with the Uniform Administrative Procedure Act, Law No. 170, August 12, 1988, as amended, the Clean Air Act, the Public Policy Environmental Act and the Regulation for the Control of Atmospheric Pollution, the Environmental Quality Board approves this permit subject to all the terms and conditions herein established.

In San Juan, Puerto Rico, **September 19, 2012.**

**ENVIRONMENTAL QUALITY BOARD**

/s/

Blanche Gonzalez Hodge, Esq.  
Associate Member

/s/

Reynaldo Matos Jiménez  
Associate Member

/s/

Pedro J. Nieves Miranda, Esq.  
President

HOSPITAL INTERAMERICANO DE MEDICINA AVANZADA  
H/N/C HIMA  
CAGUAS, PUERTO RICO  
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PAGE 24 OF 26

## **APPENDIXES**

## **Appendix I - Definitions and Abbreviations**

### **A. Definitions:**

1. Act – Clean Air Act, as amended, 42 U.S. 7401, et seq.
2. Administrator - Means the Administrator of the U.S. Environmental Protection Agency or his/her authorized representative or Administrator of a State Air Pollution Control Agency.
2. Responsible Official- see definition of responsible official, as established in the EQB Regulation for the Control of Atmospheric Pollution, (1995).
3. Regulations – Regulations for the Control of Atmospheric Pollution of the Environmental Quality Board.
4. Permittee – person or establishment to whom EQB has issued an operating permit for an emission source covered by Title V.
5. Title V – Title V of the Federal Clean Air Act (42 U.S.C. 7661).

### **B. Abbreviations**

AP-42	Compilation of Air Pollutants Emission Factors of EPA
Btu	British thermal units
CFR	Code of Federal Regulations
CO	Carbon Monoxide
EPA	Environmental Protection Agency
EQB/Board	Environmental Quality Board
HAP	Hazardous Air Pollutants
NAAQS	National Ambient Air Quality Standards
NO <sub>x</sub>	Nitrogen oxides
PM	Particulate Matter

PM <sub>10</sub>	Particulate Matter with a size less than or equal to 10 micrometers in aerodynamic mass median diameter
RCAP	Regulation for the Control of Atmospheric Pollution of the Environmental Quality Board
SIC	Standard Industrial Classification
SO <sub>2</sub>	Sulfur Dioxide
VOC	Volatile Organic Compounds

**C. Notification Addresses**

Compliance Notifications and Permit Modifications  
Environmental Quality Board  
Air Quality Area  
P.O. Box 11488  
San Juan, PR 00910