

**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-3613-64-0305-0052
Operating Permit application received:	March 30, 2005
Issue and/or Effective Date:	November 30, 2010
Expiration Date:	November 30, 2015

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,

**GE INDUSTRIAL OF PUERTO RICO LLC
SAN GERMÁN, PUERTO RICO**

hereinafter referred to as **the Permittee**, or **GE** 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
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Section I - General Information

A. Facility Information

Company Name: GE Industrial of Puerto Rico LLC

Mailing Address: P.O. Box 186

City: San Germán State: P.R. Zip Code: 00683

Plant Name: GE Industrial of Puerto Rico LLC

Plant Location: El Retiro Industrial Park, Street "B"
San Germán, Puerto Rico

Responsible Official: Felix Guerra
Plant Manager

Phone: 787-264-5652

Technical Contact: Felix Guerra

Fax: 787-264-5604

Primary SIC Code: 3613

B. Process Description

GE Industrial of Puerto Rico LLC is localized at El Retiro Industrial Park in San Germán and manufactures residential circuit breakers. The manufacturing process requires the use of closed molding operations, thermoset molding process using polyester and phenolic molding compounds for the construction of residential electrical breakers cover, bases and handles. Polyester thermoset molding compounds produces styrene emissions. Phenol based molding machines generates small amounts of phenol emissions, as well.

GE Industrial of Puerto Rico LLC is a major source for atmospheric pollutants because it has the potential to emit more than 10 tons per year of styrene, which is a hazardous air pollutant. Also the facility is required to comply with the National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production under 40 CFR part 63 subpart WWWW.

Section II - Emission Units and Control Device Descriptions

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

Emission Units	Description	Control Equipment
EU-1	Styrene Based Thermoset Molding Production Line. Twenty (20) polyester resin-based molding machines are used for the manufacture of circuit breakers.	None
EU-2	Phenol Based Thermoset Molding Production Line. Ten (10) phenol resin-based molding machines are used for the manufacture of circuit breakers.	None

Section III - General Permit Conditions

1. **Sanctions and Penalties:** GE 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 GE 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, **GE** 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, **GE** shall submit each year a compliance certification. This certification must be submitted to both the Board and the EPA¹ no later than April 1 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

¹ The certification to the EQB shall be mailed to: Manager, Air Quality Area, P.O. Box 11488, San Juan, PR 00910. The certification to the EPA shall be mailed to: Chief, Enforcement and Superfund Branch CEPD, US EPA – Region II, Centro Europa Building, 1492 Ponce de Leon Ave. Stop 22, Santurce PR 00909.

- 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.
9. **Objectionable Odors:** As specified under Rule 420 of the RCAP, **GE** 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 **GE** 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, **GE'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 **GE** 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, **GE** 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, **GE** 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 break-down) 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 **GE** wishes to assert the affirmative defense authorized under Rule 603(e) of the RCAP. If **GE** 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 fenceline or shall shut down its operations immediately if there is a significant impact at the fenceline. (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, **GE** 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 **GE** 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, **GE** 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, **GE** shall also furnish to the Board copies of records required to be kept by the permit.
22. **Changes in Operating Scenarios:** As specified under Rule 603(a)(10) of the RCAP, **GE** shall record in a logbook, contemporaneously with making a change from one operating scenario to another, the scenario under which it is operating. This logbook must be kept at **GE** facility at all times.

23. **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.
24. **Administrative Permit Amendments and Permit Modifications:** As specified under Rule 606 of the RCAP, the permit shall not be amended nor modified unless **GE** complies with the requirements for administrative permit amendments and permit modifications as described in the RCAP.
25. **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 **GE** 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.
26. **Changes in Name or Responsible Official:** This permit is issued to **GE Industrial of Puerto Rico LLC**. 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.
27. **Changes in Ownership:** This permit is issued to **GE Industrial of Puerto Rico LLC**. 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.

28. **Renovation/Demolition Work:** GE 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.
29. **Risk Management Plan:** If during the effectiveness of this permit, GE 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, GE 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.
30. **General Duty Requirements:** GE Industrial of Puerto Rico LLC 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.
31. **Requirements for Refrigerants (Climatologic and Stratospheric Ozone Protection):**
 - a. In the event that GE Industrial of Puerto Rico LLC 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 GE Industrial of Puerto Rico LLC 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), **GE Industrial of Puerto Rico LLC** 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.

32. Labeling of Products Using Ozone-Depleting Substances: GE Industrial of Puerto Rico LLC 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.

33. Roof Surface Coating: This is a state-only requirement. **GE Industrial of Puerto Rico LLC** 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.

34. Open Burning: Pursuant to Rule 402 (A) of the RCAP, **GE Industrial of Puerto Rico LLC** 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.

35. Fugitive Emissions: Compliance with Rule 404 of the RCAP

- a. **GE Industrial of Puerto Rico LLC** 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. **GE Industrial of Puerto Rico LLC** 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.

36. **Compliance Clause:** Under no circumstances does compliance with this permit exempt **GE Industrial of Puerto Rico LLC** from complying with all other applicable state or federal laws, regulations, permits, administrative orders or applicable court orders.

37. **Emissions Calculations:** **GE Industrial of Puerto Rico LLC** 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.

38. **Annual fee:** As specified under Rule 610 of the RCAP, **GE Industrial of Puerto Rico LLC** 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.

39. **Emergency Electric Generators:** The operation for each emergency electric generator identified as insignificant activities in Section VII of this permit is limited to 500 hours per year. **GE Industrial of Puerto Rico LLC** shall keep a monthly record of the hours of operation and fuel consumption for each emergency electric generator. It shall be kept available at any time for inspection by EQB and EPA personnel. Also, according to Rule 403(A) of the RCAP, the opacity shall not exceed the limit of 20% in six (6) minutes average. 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.

40. **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.
41. **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.
42. **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 **GE Industrial of Puerto Rico LLC** 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.
 - d. Nothing herein shall be construed to limit **GE Industrial of Puerto Rico LLC** '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-06-02², the emission calculations shall be based on **GE Industrial of Puerto Rico LLC** 's actual emissions, although calculations based on the facility permissible emissions will be accepted. If **GE Industrial of Puerto Rico LLC** decides to realize the calculations based on permissible emissions, **GE Industrial of Puerto Rico LLC** shall pay the same charge per ton as the facilities that decide to do the calculations based on actual emissions. Also, when **GE Industrial of Puerto Rico LLC**

² 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.

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.

Pollutants	Emissions (Ton/yr)
PM	0.48
SO ₂	3.19
NO _x	16.51
CO	3.76
VOC (excluding HAP's)	0.45
Styrene	18.62
Phenol	1.29
Benzene	0.003
Toluene	0.001
Xylenes	0.001
Propylene	0.013
Naphthalene	0.001
Total PAH	0.001

Section V - Specific Permit Conditions

A. Units EU-1 and EU-2

- GE Industrial of Puerto Rico LLC** shall not use more than 1,241,332 lbs/year of styrene (contained in the polyester resin) during any 12-month rotative period. [PFE-64-0902-1604-I-C, PFE-64-0408-0190-I-C]
- GE Industrial of Puerto Rico LLC** shall not use more than 1,716,000 lbs/year of phenol (contained in the resin) during any 12-month rotative period. [PFE-64-0902-1604-I-C, PFE-64-0408-0190-I-C]
- GE Industrial of Puerto Rico LLC** shall prepare and maintain a monthly rolling record of the total consumption (in pounds) of resin (styrene and phenol) processed daily in each machine of emission units EU-1 and EU-2 described in Section II of this permit. The record shall be based in purchase receipts and shall include the content (in percent by weight) of the substances of the molding compounds and the Material Safety Data Sheets (MSDS). The supplier shall certify the content of styrene and/or phenol in the molding compounds. This monthly record and the purchase receipts shall be kept at the facility for at least 5 years and shall be made available to the Board personnel during an inspection. [PFE-64-0902-1604-I-C, PFE-64-0408-0190-I-C]

4. **GE Industrial of Puerto Rico LLC** shall submit to the Board, a semi-annual summary report based on the data of the monthly record required in the condition V.A.10 of this permit. This report shall include, but not limited to, the following:
 - a. A monthly summary of the quantities or resin purchased and processed.
 - b. A copy of the supplier certification of the components content (in percent by weight) or substances in the molding compounds and copies of electronic documents or purchase receipts that document the information on the monthly record.
 - c. This report shall be submitted semi-annually (one may be sent with the annual compliance certification report).

Section VI - National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production under subpart WWWW part 63 of 40 CFR in EU-1.

1. **GE Industrial of Puerto Rico LLC** must comply with the National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production under subpart WWWW, part 63 of 40 CFR³. **GE Industrial of Puerto Rico LLC** shall comply with the applicable requirements of this subpart no later than 3 years after becoming a major source or by April 21, 2006, whichever is later.
2. **GE Industrial of Puerto Rico LLC** must comply with the general provisions in section 63.1 through section 63.15 of 40 CFR that apply according to section 63.5925 of 40 CFR and Table 15 of subpart WWWW.
3. All the operations at **GE Industrial of Puerto Rico LLC** that are not listed in section 63.5805(a) of 40 CFR, must meet the average organic HAP emissions limits in Table 3 of subpart WWWW, part 63 of 40 CFR, and the applicable work practice standards in Table 4 of subpart WWWW, regardless of the quantity of HAP emitted. [40 CFR §63.5805(b)]
4. For **closed molding**⁴ operations, **GE Industrial of Puerto Rico LLC** must meet the work practice standard specified in Table 4 of subpart WWWW. [40 CFR §§ 63.5805(b), 63.5835(a), 63.5900(a), 63.5910(c) and 63.5915(d)]

³ The facility must comply with the standards in this subpart by 3 years after becoming a major source or April 21, 2006, whichever is later, according to section 63.5800 of 40 CFR.

⁴ As defined in section 63.5935, a closed molding operation means a grouping of processes for fabricating composites in a way that HAP-containing materials are not exposed to the atmosphere except during the material loading stage (*e.g.*, compression molding, injection molding).

- a. The owner or operator must uncover, unwrap or expose only one charge per mold cycle per machine⁵.
 - b. For machines with robotic loaders, no more than one charge may be exposed prior to the loader.
 - c. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper.
 - d. Hoppers must be closed when not adding materials.
 - e. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
5. For the **cleaning**⁶ operation, **GE Industrial of Puerto Rico LLC** must meet the work practice standard in Table 4 of subpart WWWW. [40 CFR §§63.5805(b), 63.5835(a), 63.5900(a), 63.5910(c) and 63.5915(d)]
- a. The owner or operator must use non-HAP containing cleaners, except styrene can be used to clean closed systems and organic HAP cleaners can be used to clean cured resin from application equipment.
6. For the **HAP-containing materials storage**⁷ operation, **GE Industrial of Puerto Rico LLC** shall comply with the work practice standards established in Table 4 of subpart WWWW. [40 CFR §§63.5805(b), 63.5835(a), 63.5900(a), 63.5910(c) and 63.5915(d)]
- a. As specified in Table 4 of subpart WWWW for the **HAP-containing materials storage**⁸ operation, **GE Industrial of Puerto Rico LLC** must keep containers closed or covered except during the addition or removal of HAP-containing materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

⁵ For machines with multiple molds, one charge means sufficient material to fill all molds for one cycle.

⁶ As defined in 63.5935, the cleaning operation means removal of composite materials, such as cured and uncured resin from equipment, finished surfaces, floors, hands of employees, or any other surfaces.

⁷ As defined in 63.5935, the HAP-containing materials storage means an ancillary process which involves keeping HAP-containing materials, such as resins, gel coats, catalysts, monomers, and cleaners, in containers or bulk storage tanks for **any length of time**. Containers may include small tanks, totes, vessels, and buckets.

⁸ As defined in 63.5935, the HAP-containing materials storage means an ancillary process which involves keeping HAP-containing materials, such as resins, gel coats, catalysts, monomers, and cleaners, in containers or bulk storage tanks for **any length of time**. Containers may include small tanks, totes, vessels, and buckets.

7. As established under section 63.5835(a) of 40 CFR, **GE Industrial of Puerto Rico LLC** must be in compliance at all times with the work practice standards in Table 4 to subpart WWW.
8. According to section 63.5835(c) of 40 CFR, **GE Industrial of Puerto Rico LLC** must operate and maintain at all times the affected source, including air pollution control and monitoring equipment, according to the provisions in §63.6(e)(1)(i).
9. According to section 63.5860(a) of 40 CFR and Table 9 of subpart WWW, **GE Industrial of Puerto Rico LLC** must demonstrate:
 - a. Initial compliance with the work practice standards for closed molding operation.
 - i. Submitting a certified statement in the notice of compliance status that only one charge is uncovered, unwrapped, or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials, and materials are recovered after slitting.
 - b. Initial compliance with the work practice standards for the cleaning operation
 - i. Submitting a certified statement in the notice of compliance status that all cleaning materials, except styrene contained in closed systems, or materials used to clean cured resin from application equipment, contain no HAP.
 - c. Initial compliance with the work practice standard specified in Table 4 for HAP-containing storage.
 - i. Submitting a certified statement in the notice of compliance status that all HAP-containing storage containers are kept closed or covered except when adding or removing materials, and that any bulk storage tanks are vented only as necessary for safety.
10. According to section 63.5900(a)(4) of 40 CFR, **GE Industrial of Puerto Rico LLC** must demonstrate continuous compliance with work practice standards in Table 4 of subpart WWW by performing the work practice required for each operation as applicable.
11. **GE Industrial of Puerto Rico LLC** must report each deviation from each standard in section 63.5805 that applies to the facility as specified in section 63.5900(b) of 40 CFR. The deviations must be reported according to the requirements in section 63.5910 of 40 CFR.

12. Except as provided in 63.5900(d) of 40 CFR, during periods of startup, shutdown or malfunction, **GE Industrial of Puerto Rico LLC** must meet the applicable organic HAP emissions limits and work practice standards.
13. **GE Industrial of Puerto Rico LLC** must submit an initial notification containing the information specified in section 63.9(b)(2) no later than the dates specified in section 63.9(b)(2) of 40 CFR. [40 CFR §63.5905(a) and Table 13 of subpart WWWW]
14. According to section 63.5905(b) of 40 CFR, if **GE Industrial of Puerto Rico LLC** changes any information submitted in any notification, must submit the changes in writing to the Environmental Quality Board within 15 calendar days after the change.
15. As established under the section 63.5910(a) of 40 CFR, **GE Industrial of Puerto Rico LLC** must submit a semiannual compliance report that contains a statement with the requirements specified in Table 14 of subpart WWWW and section 63.5910(c)(1) through (6) of 40 CFR, as applicable. The report must be submitted by the date specified in Table 14 of subpart WWWW and according to section 63.5910(b)(1) through (5) of 40 CFR as follows:
 - a. The first compliance report must cover the period beginning on the compliance date that is specified in §63.5800 of 40 CFR and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for your source in §63.5800 of 40 CFR.
 - b. The first compliance report must be postmarked or delivered no later than July 31 or January 31; whichever date follows the end of the first calendar half after the compliance date that is specified in §63.5800 of 40 CFR.
 - c. Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.
 - d. Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.
 - e. For each affected source that is subject to permitting requirements pursuant to 40 CFR part 70 or 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to §70.6 (a)(3)(iii)(A) or §71.6(a)(3)(iii)(A) of 40 CFR, the owner or operator may submit the first and

subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in 5910(b)(1) through (4) of 40 CFR.

16. According to section 63.5910(d) of the 40 CFR, when a deviation from the requirements for work practice standards occurs at **GE Industrial of Puerto Rico LLC**, the compliance report must contain the information in section 63.5910(c)(1) through (4) and in section 63.5910(d)(1) and (2) of 40 CFR. This includes periods of startup, shutdown, and malfunction.
17. As established under section 63.5910(g) of 40 CFR, **GE Industrial of Puerto Rico LLC** must report all deviations as defined in subpart WWW in the semiannual monitoring report required by Rule 603(A)(5)(iii) of the RCAP. If **GE Industrial of Puerto Rico LLC** submits a compliance report pursuant to Table 14 to subpart WWW along with, or as part of, the semiannual monitoring report required by Rule 603(A)(5)(iii) of the RCAP, and the compliance report includes all required information concerning deviations from work practice requirement in subpart WWW, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation of **GE Industrial of Puerto Rico LLC** to report deviations from permit requirements to the Environmental Quality Board of Puerto Rico.
18. As specified under section 63.5910(h) of 40 CFR, **GE Industrial of Puerto Rico LLC** must submit compliance reports based on the requirements in Table 14 to subpart WWW, and not based on the requirements in §63.999 of 40 CFR.
19. According to section 63.5910(i) of 40 CFR, where multiple compliance options are available, the owner or operator must state in the next compliance report if the affected source have changed the compliance options since the last compliance report.
20. **GE Industrial of Puerto Rico LLC** must keep the following records required under section 63.5915(a) of 40 CFR, as applicable:
 - a. A copy of each notification and report that **GE Industrial of Puerto Rico LLC** submitted to comply with subpart WWW, including all documentation supporting any Initial Notification or Notification of Compliance Status that **GE Industrial of Puerto Rico LLC** submitted, according to the requirements in §63.10(b)(2)(xiv) of 40 CFR.
 - b. The records in §63.6(e)(3)(iii) through (v) of 40 CFR related to startup, shutdown, and malfunction.

- c. Records of performance tests, design, and performance evaluations as required in §63.10(b)(2) of 40 CFR.
21. According to section 63.5915(d) of 40 CFR, **GE Industrial of Puerto Rico LLC** must keep a certified statement that the affected source is in compliance with the work practice requirements in Table 4 of subpart WWW, as applicable.
22. According to section 63.5920(a) of 40 CFR, **GE Industrial of Puerto Rico LLC** must maintain all applicable records in such a manner that can be readily accessed and are suitable for inspection according to section 63.10(b)(1) of 40 CFR.
23. According to section 63.10(b) of 40 CFR, **GE Industrial of Puerto Rico LLC** must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record as specified in section 63.5920(b)(1) of 40 CFR.
24. **GE Industrial of Puerto Rico LLC** must keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1) of 40 CFR. **GE Industrial of Puerto Rico LLC** can keep the records offsite for the remaining 3 years. [Section 63.5920(c) of 40 CFR]
25. **GE Industrial of Puerto Rico LLC** may keep records in hard copy or computer readable form including, but not limited to, paper, microfilm, computer floppy disk, magnetic tape, or microfiche, according to section 63.5920(d) of 40 CFR.

Section VII -Insignificant Emission Units

GE Industrial of Puerto Rico LLC 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, **GE Industrial of Puerto Rico LLC** must include the list for insignificant activities, which are exempted because of size or production rate. Only exempted activities and emissions units that requires and have construction permit under Rule 203 of the RCAP are included. The following activities will be considered insignificant as long as **GE Industrial of Puerto Rico LLC** complies with the descriptions indicated below.

A. Insignificant Emission Units and Base of Its Exemption.

Emission Unit ID	Capacity	Description (Basis for exemption)
Emergency electric generator	890 hp	Appendix B.3.ii. (O) of the RCAP: Emergency Generator with an operation rate lower than 500 hours per year.
Emergency electric generator	1818 hp	Appendix B.3.ii. (O) of the RCAP: Emergency Generator with an operation rate lower than 500 hours per year.
Two wastewater evaporators	195 Btu/hr each one	Appendix B.3.ii (P) of the RCAP. Actual emission rate of less than 1 ton/year of VOC (each).

Section VIII - 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

Non-Applicable Requirements	Regulation	Description
Facility Wide		
National Emission Standards for Hazardous Air Pollutants: Group I Polymers and Resins	Federal 40 CFR part 63, subpart U	The facility does not operate any elastomer product process units.
National Emission Standards for Hazardous Air Pollutants: Group IV Polymers and Resins	Federal 40 CFR part 63, subpart JJJ	The facility does not operate thermoplastic product process units.
Air Pollution Control Equipment	State Rule 108 of the RCAP	This rule does not apply if the facility has no air pollution control equipment.
EU-1		
Develop a written startup,	Federal	EU-1 does not operate an add-on

Non-Applicable Requirements	Regulation	Description
Facility Wide		
shutdown, and malfunction Plan.	40 CFR, section 63.5835(d), subpart WWWW	control to meet a standard.
Performance tests, performance evaluations, design evaluations, and specific requirements when add-on controls are used.	Federal 40 CFR, sections 63.5835(b), 63.5845, 63.5850, 63.5855, 63.5860(b), 63.5895(a), 63.5915(b) subpart WWWW	EU-1 does not operate an add-on control to meet a standard.
Volatile Organic Compounds	State Rule 419 of the RCAP	According to Rule 419(D)(4) of the RCAP, this rule does not apply to any source or emission unit covered by any federal applicable rule or regulation. EU-1 is covered by 40 CFR, part 63, subpart WWWW.
EU-2		
Volatile Organic Compounds	State Rule 419 of the RCAP	This rule does not apply to EU-2 because it emits less than 3 lb/hr or 15 lb/day of VOC. The ten phenol molding machines emits a total of 0.29 lb/hr and 7.07 lb/day of VOC.

Section IX – 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.

GE INDUSTRIAL OF PUERTO RICO, LLC
SAN GERMÁN, PUERTO RICO
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In San Juan, Puerto Rico, November 16, 2010.

ENVIRONMENTAL QUALITY BOARD

/s/
Reynaldo Matos Jiménez
Associate Member

/s/
Edwin Irizarry Lugo, Esq.
Vice-President

/s/
Pedro J. Nieves Miranda, Esq.
President

GE INDUSTRIAL OF PUERTO RICO, LLC
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APPENDIXES

Appendix II - 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 _x	Nitrogen oxides

PM	Particulate Matter
PM ₁₀	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 ₂	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