

Quality Assurance (QA) measures to be utilized. The protocol must be specific to the test, facility, operating conditions and parameters to be measured. [Rule 106(C) of the RCAP]

- e) The permittee must submit a written notification 15 days prior of the performance test in order to allow the EQB to assign an observer. [Rule 106 (D) of the RCAP]
- f) The permittee must submit a final report within 60 days after the performance of the emission test. [Rule 106(E) of the RCAP]

2- Visible Emissions Limit:

- a) The permittee shall not exceed the opacity limit of 20% in a 6 minutes average. Nevertheless, and as specified under Rule 403(A) of the RCAP, the permittee may discharge into the atmosphere visible emissions of opacity of up to 60% for a period of no more than 4 minutes in any consecutive 30 minutes period.
- b) The permittee shall perform a visible emissions reading once during the first year of the permit using Method 9, as established under 40 CFR Part 60, Appendix A. The permittee shall hire an independent opacity reader properly certified by EQB to perform these tests.
- c) The permittee shall perform a daily opacity inspection, every time that the emission source is in operation. These inspections shall consist in a daily observation of the stack for a period of two minutes to determine if there are visible emissions present, excluding water vapor. The observer shall select a position of at least 15 feet, but less than 0.25 miles of the source. The sunlight shall not focus directly in the observer's eyes. If emissions are observed, the permittee shall do the following:
 - (1) Verify that the equipment and/or control equipment that is responsible of the visible emissions is operating according to the manufacturer's specification and the conditions of this permit. If it is not operating properly, corrective actions should be taken immediately to eliminate the excess of opacity.
 - (2) If the corrective actions do not correct the opacity problem in 24 hours, the permittee shall perform an opacity reading following Method 9 of the 40 CFR 60, Appendix A. The permittee shall hire during the next 24 hours after the violation, an independent opacity reader properly certified to perform these tests. The tests shall be performing in every working shift until the problem has been corrected.

- (3) Every deviation shall be informed to EQB in 24 hours.
- d) The permittee shall submit to the EQB and the EPA a copy of the visible emissions readings report every 60 days of each reading.
- e) As specified under Rule 603(A)(4)(ii) of the RCAP, the permittee shall keep all records of required monitoring data and supporting information for a period of 5 years from the date of the monitoring sample, measurement, report or application. This includes a record of visible emissions, which contains the dates and times of inspections, as well as information about any corrective measure taken.
- f) The permittee shall submit, every 6 months, copies of all daily visible emissions readings records performed according with Condition VI(2)(C).

3- SO₂ Emission Limits (*Fuel Sulfur Content*):

- a) The permittee shall burn Fuel Oil # 2 (*Diesel*) in EU # 14 with sulfur content that do not exceed 0.5% by weight.
- b) As specified under Rule 603 (A)(4)(ii) of the RCAP, the permittee shall keep all records of required monitoring data and supporting information for a period of five years from the date of the monitoring sample, measurement, report or application. This includes a record with the results of the fuel performance test, a record of monthly fuel consumption and sulfur content of consumed fuels.
- c) The permittee shall submit, within the first 15 days of the month following the one being reported, a monthly report indicating fuel consumption and the sulfur content by weight, for the fuels consumed in that unit.
- d) The permittee shall submit, with each annual compliance certification, a copy of all reports for that year indicating the sulfur content by weight for the fuels consumed (*supplier fuel analysis*). They shall also submit records of all required monitoring information including:
 - (1) The date, place -as defined in the permit- and time of sampling or measurements;
 - (2) The dates analyses were performed;
 - (3) The company or entity that performed the analyses;
 - (4) The analytical techniques or methods used;
 - (5) The results of such analyses; and

- (6) The operating conditions as existing at the time of sampling or measurement.

4- Fuel Consumption:

- a) The permittee shall not exceed the fuel consumption limit of 105,120 gallons per year of Fuel Oil No. 2 (Diesel) in the boiler (EU # 14) for any period of 12 consecutive months. Fuel consumption for any 12 consecutive months shall be calculated by adding the monthly compound consumption from the units during the preceding 11 month.
- b) The permittee must install and operate fuel meters to the boiler (EU # 14) during the first 90 days of effectiveness of the permit. Fuel meters shall be calibrated according to manufacturing recommendations.
- c) The permittee shall keep a monthly log of fuel consumption available at the facility. Also the results and methodology used for the calibration of the fuel meters of the boiler.
- d) The permittee shall submit, with each annual compliance certification, an annual report indicating the fuel consumption of the boiler in terms of the monthly and annual consumption.

Section VI - Insignificant Emission Units

A The following list of insignificant activities was provided by the permittee 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.

Emission Unit ID	Description (Basis for exemption)
1000 gallons diesel storage tank	Appendix B (3)(xi) of the RCAP
500 gallons diesel storage tank	Appendix B (3)(xi) of the RCAP
500 liters KAOH storage tank	Appendix B (3)(ii)(P) of the RCAP
200 liters KAOH mixing tank	Appendix B (3)(ii)(P) of the RCAP
380 liters portable rectification tank	Appendix B (3)(xxxviii) of the RCAP
200 liters portable rectification tank	Appendix B (3)(xxxviii) of the RCAP
Steam autoclave # 1 (ETC)	Appendix B (3)(xxxv) of the RCAP
Steam autoclave # 2 (FEDERARI)	Appendix B (3)(xxxv) of the RCAP

Emission Unit ID	Description (Basis for exemption)
Steam autoclave # 3 (<i>GETINGE</i>)	Appendix B (3)(xxxv) of the RCAP
Cartridge fumes hoods (#1 & #2)	Appendix B (3)(ii)(M) of the RCAP
Pleating steam hoods (#1 & #2)	Appendix B (3)(ii)(M) of the RCAP
Application department hood # 1	Appendix B (3)(ii)(M) of the RCAP
Casting laboratory hood # 1	Appendix B (3)(ii)(M) of the RCAP
Validation laboratory hood # 1	Appendix B (3)(ii)(M) of the RCAP
QA laboratory hood # 1	Appendix B (3)(ii)(M) of the RCAP
Emergency Generator (<i>500 HP capacity</i>)	Appendix B(3)(ii)(O) of the RCAP
Emergency Generator (<i>300 KW capacity</i>)	Appendix B(3)(ii)(O) of the RCAP
Fire Pump (<i>99 HP capacity</i>)	Appendix B(3)(xxiii) of the RCAP
Two LPG Tanks (1,000 gallons each)	Appendix B(2) of the RCAP

Section VII - Permit Shield

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. Moreover, the permittee shall be deemed in compliance with any other requirement specifically identified in the permit as Non Applicable.

A. Non Applicable Requirements

1- EU # 1: Storage tank for MeCl₂

Non applicable requirements		
State	Federal	Reason
	<i>Standards of Performance for Volatile Organic Liquid Storage Vessels (40 CFR, Part 60, Subpart Kb), except section 60 116b, paragraph (b).</i>	Tank capacity is less than 75 m ³ [section 110 b, paragraph (b)]
	<i>National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks (40CFR Part 63 Subpart H)</i>	Source is not subject to the provisions of a specific subpart in part 63 that references subpart H [Section. 63 160, paragraph (a)]

Non applicable requirements		
State	Federal	Reason
	<i>National Emission Standards for Equipment Leaks (40 CFR, Part 61, Subpart V)</i>	MeCl2 does not comply with definition of volatile hazardous air pollutant (VHAP) of Section 61.241 because it is not regulated under Part 61 and a standard for equipment leaks has not been promulgated [Section 61.240, paragraph (a)]
Rule 417 RCAP		Tank capacity is not greater than 40 m ³ each [Rule 417].

2- EU # 2: Storage tank EtOH

Non applicable requirements		
State	Federal	Reason
	<i>Standards of Performance for Volatile Organic Liquid Storage Vessels (40 CFR, Part 60, Subpart Kb), except section 60.116b, paragraph (b)</i>	Tank capacity is less than 75 m ³ [section 110b, paragraph (b)]
	<i>National Emission Standards for Equipment Leaks (40 CFR, Part 61, Subpart V)</i>	EtOH does not comply with definition of volatile hazardous air pollutant (VHAP) of Section 61.241 because it is not regulated under Part 61 and a standard for equipment leaks has not been promulgated [Section 61.240, paragraph (a)]
	<i>National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks (40CFR Part 63 Subpart H)</i>	Source is not subject to the provisions of a specific subpart in part 63 that references subpart H. [Section 63.160, paragraph (a)]

Non applicable requirements		
State	Federal	Reason
Rule 417 RCAP		Tank capacity is not greater than 40 m ³ each [Rule 417]

3- EU # 3 and EU # 4: Storage tanks for MeAc and IPA, respectively

Non applicable requirements		
State	Federal	Reason
	<i>Standards of Performance for Volatile Organic Liquid Storage Vessels (40 CFR, Part 60, Subpart Kb), except section 60.116b, paragraph (b)</i>	Tank capacity is less than 40 m ³ [section 110b, paragraph (a)]
	<i>National Emission Standards for Equipment Leaks (40 CFR, Part 61, Subpart V)</i>	MeAc and IPA do not comply with definition of volatile hazardous air pollutant (VHAP) of Section 61.241 because it is not regulated under Part 61 and a standard for equipment leaks has not been promulgated [Section 61.240, paragraph (a)]
	<i>National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks (40CFR Part 63 Subpart H)</i>	Source is not subject to the provisions of a specific subpart in part 63 that references subpart H. [Section 63.160, paragraph (a)]
Rule 417 RCAP		Tank capacity is not greater than 40 m ³ each [Rule 417].

4- EU # 5, EU # 6 and UE # 8: Mixing Room, Casting Room and Recovery Unit, respectively

Non applicable requirements		
State	Federal	Reason
	<i>National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks (40CFR Part 63 Subpart H)</i>	Source is not subject to the provisions of a specific subpart in part 63 that references subpart H. [Section 63.160, paragraph (a)]
	<i>National Emission Standards for Equipment Leaks (40 CFR, Part 61, Subpart V)</i>	Substances used in those sources do not comply with definition of volatile hazardous air pollutant (VHAP) of Section 61.241 because they are not regulated under Part 61 and a standard for equipment leaks has not been promulgated [Section 61.240, paragraph (a)]

5- EU # 9: Incinerator Burner

Non applicable requirements		
State	Federal	Reason
	Rule 410 (C),(D),(E),(F) of RCAP	Capacity is less than 8 MMBTU/hr [Rule 410, paragraph B]

6- EU # 14: Boiler (546 HP capacity)

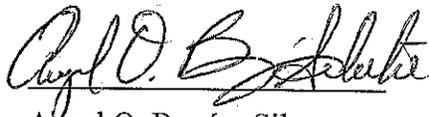
Non applicable requirements		
State	Federal	Reason
	<i>Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (40 CFR Part 60 Subpart Dc)</i>	Fuel input capacity is less than 10 MM BTU/hr [Section 60.40c, paragraph (a)]

Section VIII - Permit Approval

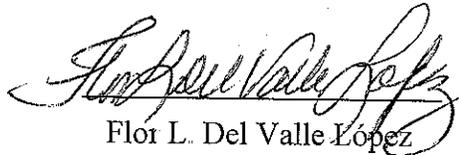
By virtue of the authority conferred upon the Environmental Quality Board by the Public Policy Environmental Act, Law No. 9, June 18, 1970, as amended, and after verifying the administrative record and compliance with the Uniform Administrative Procedure Act, Law No. 170, August 12, 1988, as amended, 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, August 06, 2003.

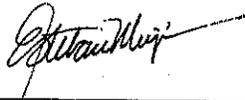
ENVIRONMENTAL QUALITY BOARD



Angel O. Berríos Silvestre
Associated Member



Flor L. Del Valle López
Vice President



Esteban Mujica Cotto
President

APPENDIXES

Appendix 1-Definitions and Abbreviations

I. Definitions

1. Law- **Federal Law of Clean Air**
 2. Permittee - **Person and/or entity to which the Puerto Rico Environmental Quality Board has emitted an Operating Permit for an Emission Source under Title V.**
 3. Regulation - **Regulation for the Control of Atmospheric Pollution for the Environmental Quality Board.**
 4. Responsible Officer - **As defined in the Regulation for the Control of Atmospheric Pollution of the Environmental Quality Board.**
 5. Title V - **Title V of the Clean Air Act (42 U.S.C. 7661)**
-

II. Abbreviations

1. Btu - **Britannic Thermal Unit**
 2. CFR - **United States Code of Federal Regulations**
 3. CO - **Carbon monoxide**
 4. EPA - **Environmental Protection Agency**
 5. EQB - **Environmental Quality Board**
 6. EtOH - **Ethanol**
 7. HAP - **Hazardous Air Pollutant**
 8. HP - **Horsepower**
 9. IPA - **Isopropanol**
 10. LPG - **Liquid Petroleum Gas**
 11. MeAc - **Methyl Acetate**
 12. MeCl₂ - **Methylene Chloride**
 15. NAAQS - **National Ambient Air Quality Standards**
 16. NO_x - **Nitrogen oxides**
- Particulate Matter whose particulate diameter has a size of**

17. PM₁₀ - aerodynamic mass equal or less than ten microns.
18. RCAP - Regulation for the Control of Atmospheric Pollution of the Environmental Quality Board.
19. SIC - Standard Industrial Classification
20. SO₂ - Sulfur dioxide
21. VHAP - Volatile Hazardous Air Pollutant
22. VOC - Volatile Organic Compounds