MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

INACTIVE

B001726

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JANUARY 2015

OWNER OF OPERATOR (Co.#270)

AGC Flat Glass North America, Inc. (AGC)
11175 Cicero Dr, Ste 400
Alpharetta, GA 30022

EQUIPMENT LOCATION (Fac.#935)

AGC Flat Glass North America, Inc. (AGC)
17300 Silica Dr
Victorville, CA 92395

Description:
FLOAT GLASS MANUFACTURING LINE consisting of: This unit is equipped with the "3R" system. Note that for fee purposes horsepower ratings have been converted to Btus assuming 2550 Btu per horsepower.

EQUIPMENT

Capacity	Equipment Description
0	FURNACE
148.75	Burners rated at 6.49 MMBtu/ton, 22.92 ton/h produces 129,600 CFM, total rating 148.7 MMBtu/hr
0.19	Block Cooling Fans, 2@75 hp each, one is a standby
0.3	Block Cooling Cans, 3@60 hp each, one is standby
0.63	Cold Well Pumps, 3@125 hp each, one is standby
0.15	Cooling Tower Fans, 2@30 hp each
0.03	Dilution Air Fans,2@15 hp each, one is standby
0.31	Combustion Air Fans, 2@125 hp each, one is standby
0.02	Charger Drives, 2@5 hp each
0.02	Stirrer Drive (10 hp)
0.76	Air Compressors, 3@150 hp each, one is standby
0.005	Tweel Drives, 2@2 hp each, one is standby (Sub-total of hp for furnace is 967.0)
0	TIN BATH
0.24	Ammonia Dissociator, 0.24 million Btu/h
0.63	Cooling Fans, 3@125 hp each, one is standby

Fee Schedule: 8 (f) Rating: 153890000 Btu SIC: 3211 SCC: 30501403 Location/UTM(Km): 474E/3815N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

AGC Flat Glass North America, Inc.
(AGC)
11175 Cicero Dr, Ste 400/Chris Correnti
Alpharetta, GA 30022

By: **COPY**
Eldon Heaston
Air Pollution Control Officer

Capacity	Equipment Description
0.03	Knurl Drives, 12@ 1 hp each
0.00255	Vacuum Pumps, 2@1 hp each, one is standby (Sub-total of hp for Ammonia Dissociator is 263)
0	COLD END
0.1	Under Line Breakers, 8@5 hp each
0.01	Main Line Crusher (7.5 hp)
0.02	Main Line Crusher, 2@5 hp each
0.01	End of Line Crusher (5 hp)
0.11	Conveyor Drives, 22@2 hp each
0.01	Conveyor Drives, 2@3 hp each
0	Lucor Spray equipment
0.03	Stacker, 2@7.5 hp each
0.00765	Stacker (3 hp)
0.19	Stacker (75 hp)
0.05	Stacker, 4@5 hp each
0.1	Stacker, 8@5 hp each
0.01	Edge Trim, 4@1 hp each
0	Malic Acid Coating System:
0	Bleaker Brothers Spray System
0	Tank (100 gallon) and 5 air atomizing spray nozzles
0	(Sub-total of 269.5 hp for Cold End)
0	LEHR
0.05	Cooling Fan Motors, 2@10 hp each
0.07	Cooling Fan Motors, 2@15 hp each
0.12	Cooling Fan Motors, 2@25 hp each
0.45	Cooling Fan Motors, 6@30 hp each
0.12	Cooling Fan Motor
0.15	Cooling Fan Motor
0.07	Drive Motors, 2@30 hp each, one is standby
0.01	Drive Motor (5 hp)
0	Lehr Heat Resistance: 4@103.6 kW
0	2@44.8 kW
0	2@45.0 kW
0	1@64.4 kW
0	2@90.0 kW
0	2@162.0 kW
0	(Sub-total of 425 hp and 1162.4 kW for Lehr)

CONDITIONS:

1. Operation of the equipment described above shall be conducted in compliance with all the data and specifications submitted with the application under which this permit has been issued unless specifically exempted hereunder.

2. The fuel for this furnace is restricted to pipeline regulated natural gas and/or liquid petroleum gas (propane) as backup fuel. The owner/operator, o/o, shall maintain logs of raw material fed to the furnace and the fuel used for furnace operations. The log shall be maintained current, on-site for a minimum of five (5) years and provided to District personnel on request.

3. The o/o shall have in place written preventative maintenance procedures and schedules for each of the following equipment and/or systems: Scrubber, Electrostatic Precipitator, Glass Furnace, all monitoring equipment for emissions measurements, and all other

monitoring equipment. Procedures and/or schedules shall be provided to District personnel on request.

4. This equipment shall be operated and maintained in strict accord with those recommendations of the manufacturer and/or sound engineering principles consistent with the lowest practicable emissions.

5. This equipment shall not be operated unless it is vented air pollution control equipment operating under the following valid District permits C001796, C002792, and C004809, or under those conditions specified in condition 6 immediately below.

6. During routine or preventative maintenance of the add-on pollution controls and during periods of regenerator clean-out, the owner/operator shall be exempt from the emissions limits specified in condition 7 immediately below, provided the following are complied with:
A. Maintenance in any twelve month period does not exceed six days (144 hours);
B. Maintenance shall be performed twice in any twelve month period for not more than 72 hours for each maintenance activity, unless prior written approval from the APCO has been obtained;
C. Maintenance shall be conducted in a manner consistent with good air pollution practices for minimizing emissions to the atmosphere;
D. Procedures for each maintenance shutdown shall be submitted to the District for approval at least 10 days prior to a shutdown. If 10 days is impractical, e.g., in the case of an emergency, the o/o shall notify the District by telephone and submit the planned procedures for the maintenance as soon as practicable; and
E. A summary report of all findings and repairs/modifications which were made during the shutdown shall be submitted to the District within 15 days of completion of the maintenance shutdown.

7. The following are the emissions limits for this facility:
A. Total Suspended Particulate (TSP) emissions shall not exceed a concentration of 0.02 grains/dry SCF.
B. Oxides of sulfur shall not exceed a mass emission rate of 15.0 lb/h based on a 24-hour rolling average or 45.0 lb/h based on a 3-hour rolling average and daily emissions shall not exceed 250 pounds.
C. Those limits stated under District Regulations IV and IX also apply.
D. Oxides of nitrogen emissions shall not exceed a mass emission rate of 220 lb/h based on a three hour rolling average and/or 200 lb/h based on a 24-hour average.
E. Oxides of nitrogen shall not exceed 615 tons per year, calculated on a rolling twelve-month basis and verified by CEMS data.

8. The oxides of nitrogen emissions from the diesel IC engine generator covered by District permit B008012 shall be included in the 24 hour rolling averages in condition 7(D) and the annual limit in condition 7(E) immediately above.

9. The o/o shall operate a Continuous Emissions Monitoring System (CEMS) as follows:
A. To measure stack gas concentrations of oxygen, oxides of nitrogen and sulfur dioxide, specifications shall comply with USEPA specifications in 40 CFR 60.13 and 40 CFR 60, Appendix B, Performance Specification 2;
B. The mass emissions rates of sulfur dioxide and oxides of nitrogen shall be computed using USEPA, 40 CFR 60, Appendix A, method 19. The rates shall be computed based on the concentrations measured above, the fuel flow rate and the gross calorific value of the fuel. The averaging time shall not exceed 20 minutes.
C. CEMS' Certification Test shall be conducted annually and Gas Cylinder audits shall be conducted in each of the remaining three quarters.

10. The owner/operator shall conduct the following emissions compliance and certification tests:
A. Compliance test for TSP once every three years commencing in 1989; 92, 95, 98, 2001,2004, 2007, 2010
B. Compliance test or mass balances for lead, mercury, beryllium and fluorides when their concentrations change in the raw material or the raw material changes;
C. Same as C. in condition 9 above.

11. The o/o shall conduct all required compliance/certification tests in accordance with a District approved test protocol. This test protocol shall be submitted to the District 30 days prior to any scheduling of tests for District review and approval. Once approved the o/o shall notify the District 10 days prior to the test, so that a District observer may be present. A written report of the emissions test shall be submitted to the District no later than 45 days after the last day of on-site sampling/measurements.