

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: RAW MATERIAL RECEIVING AND STORAGE					
UNLOADING ARM, BOTTOM, TANK TRUCK, TANK CAR A/N: 238436	D1	C7		PM: (9) [RULE 405, 2-7-1986]	C1.1, D323.2
UNLOADING ARM, BOTTOM, TANK TRUCK, TANK CAR A/N: 238436	D2	C7		PM: (9) [RULE 405, 2-7-1986]	C1.1, D323.2
CONVEYOR, BELT A/N: 238436	D3			PM: (9) [RULE 405, 2-7-1986]	D323.2
BUCKET ELEVATOR A/N: 238436	D4	C7		PM: (9) [RULE 405, 2-7-1986]	D323.2
STORAGE SILO, T-51, SODA ASH, 40,000 CU. FT., 40 TONS CAPACITY A/N: 238436	D5	C7		PM: (9) [RULE 405, 2-7-1986]	C1.1, D323.2
STORAGE SILO, T-53, SAND, 40,000 CU. FT., 40 TONS A/N: 238436	D6	C7		PM: (9) [RULE 405, 2-7-1986]	C1.1, D323.2
BAGHOUSE, CARTRIDGE FILTER, MIKRO-PUL, MODEL CF-4, 4 CARTRIDGE A/N: 120497	C7	D1 D2 D4 D5 D6		PM: (9) [RULE 404, 2-7-1986]	C10.1, D12.1, D322.1, D381.1, E102.1, K67.2
Process 2: FURNACE					
System 1: RAW MATERIAL MIXING AND STORAGE					
CONVEYOR, SCREW, SAND A/N:	D8	C53		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, SCREW, SODA ASH A/N:	D9	C53		PM: (9) [RULE 405, 2-7-1986]	D323.2
HOPPER, ALUMINUM TRIHYDRATE OR RECYCLE GLASS FINES A/N:	D57			PM: (9) [RULE 405, 2-7-1986]	D323.2

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Process 2: FURNACE					
CONVEYOR, SCREW, ALUMINUM TRIHYDRATE OR RECYCLE GLASS FINES A/N:	D58			PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, SCREW, BATCH MIXER, TUNNEL A/N:	D11	C53		PM: (9) [RULE 405, 2-7-1986]	D323.2
BUCKET ELEVATOR A/N:	D12	C53		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, SCREW, CROSS-OVER A/N:	D13			PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, TWO COMPARTMENT, 40 TONS A/N:	D14			PM: (9) [RULE 405, 2-7-1986]	D323.2
BAGHOUSE, POLYESTER FELT, MIKRO PULSAIRE, MODEL 36S-6-30, 268 SQ.FT.; 36 BAGS A/N: 399814	C53	D8 D9 D11 D12		PM: (9) [RULE 404, 2-7-1986]	C10.1, D12.1, D322.1, D381.1, E102.1, K67.2
System 2: SODIUM SILICATE MELTING FURNACE					
CONVEYOR, SCREW, BATCH WETTER, WITH WATER SPRAY NOZZLES AND A BATCH FEEDER A/N:	D16			PM: (9) [RULE 405, 2-7-1986]	C8.1, D323.2
CONVEYOR, SCREW, BATCH WETTER, WITH WATER SPRAY NOZZLES AND A BATCH FEEDER A/N:	D17			PM: (9) [RULE 405, 2-7-1986]	C8.1, D323.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: FURNACE					
FURNACE, MELTING, (TOTAL OF 12 BURNERS), NATURAL GAS, WITH TWO REGENRATORS AND 20 OVERFIRE AIR PORTS, 56.6 MMBTU/HR A/N:	D18		NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; PM: (8) [40CFR 60 Subpart CC, 10-17-2000]; PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5A) [RULE 409, 8-7-1981]	A63.2, B59.1, C1.4, D323.1, E193.1
CONVEYOR, BELT, CHAIN TYPE A/N:	D19			PM: (9) [RULE 405, 2-7-1986]	D323.2
TANK, T-60, SODIUM SILICATE, 9032 CU.FT. A/N:	D20	C21		PM: (9) [RULE 405, 2-7-1986]	D323.2
BAGHOUSE, CLOTH FILTER, MIKRO-PUL, MODEL 25S-8-30G, 25 BAGS A/N: 218656	C21	D20		PM: (9) [RULE 404, 2-7-1986]	C10.1, D12.1, D322.1, D381.2, E102.1, K67.2
Process 3: SODIUM SILICATE PROCESSING					
System 1: SOLID SODIUM SILICATE LOADING					
FEEDER, VIBRATING A/N: 263640	D22			PM: (9) [RULE 405, 2-7-1986]	C1.2, D323.2
CONVEYOR, BELT A/N: 263640	D23	C32		PM: (9) [RULE 405, 2-7-1986]	D323.2
BUCKET ELEVATOR A/N: 263640	D24	C32		PM: (9) [RULE 405, 2-7-1986]	D323.2
STORAGE SILO, T-52, SODIUM SILICATE, WITH A VIBRATORY FEEDER, 40 TONS A/N: 325003	D25	C31		PM: (9) [RULE 405, 2-7-1986]	C1.2, D323.2
BIN, WEIGH, BELT FEEDER A/N: 263640	D26	C32		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, BELT, INCLINED A/N: 263640	D27	C32		PM: (9) [RULE 405, 2-7-1986]	D323.2

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| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
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** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: SODIUM SILICATE PROCESSING					
PACKAGING MACHINE, WEIGH, SUPER SACK, WITH A SURGE BIN A/N: 263640	D28	C32		PM: (9) [RULE 405, 2-7-1986]	C1.2, D323.2
UNLOADING ARM, TANK TRUCK A/N: 263640	D29	C32		PM: (9) [RULE 405, 2-7-1986]	C1.2, D323.2
CONVEYOR, RETRACTABLE A/N: 263640	D30	C32		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, BELT, PORTABLE, RAILCAR LOADING, VAN STONE, MODEL C, 570" L. X 24" W., (OPTIONAL) A/N: 375053	D54	C31 C55		PM: (9) [RULE 405, 2-7-1986]	C1.5, D323.2, E1.1
BAGHOUSE, CLOTH FILTER, MIKRO-PUL, MODEL 168S-10, 2000 SQ.FT.; 168 BAGS A/N: 478536	C31	D25 D54		PM: (9) [RULE 404, 2-7-1986]	C10.1, D12.1, D322.1, D381.1, E102.1, K67.2
BAGHOUSE, CLOTH FILTER, MIKRO-PUL, MODEL 100S-10, 100 BAGS A/N: 238435	C32	D23 D24 D26 D27 D28 D29 D30		PM: (9) [RULE 404, 2-7-1986]	C10.1, D12.1, D322.1, D381.1, E102.1, K67.2
System 3: SODIUM SILICATE DISSOLVING					
TANK, SODIUM SILICATE, DISSOLVING, WITH A FEEDER, 481 CU.FT. A/N: 171510	D36			PM: (9) [RULE 405, 2-7-1986]	D323.2
TANK, SODIUM SILICATE, DISSOLVING, WITH A FEEDER, 481 CU.FT. A/N: 171510	D37			PM: (9) [RULE 405, 2-7-1986]	D323.2
TANK, SODIUM SILICATE, DISSOLVING, WITH A FEEDER, 481 CU.FT. A/N: 171510	D38			PM: (9) [RULE 405, 2-7-1986]	D323.2

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| * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits | (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements |
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** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: SODIUM SILICATE PROCESSING					
TANK, SODIUM SILICATE, DISSOLVING, WITH A FEEDER, 481 CU.FT. A/N: 171510	D39			PM: (9) [RULE 405, 2-7-1986]	D323.2
TANK, WITH A CYCLONE, 7540 CU.FT. A/N: 171510	D40			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D323.1, E71.1
TANK, WITH A CYCLONE, 7540 CU.FT. A/N: 171510	D41			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D323.1, E71.1
System 5: SOLID SODIUM SILICATE LOADING (WAREHOUSE)					
CONVEYOR, BELT, PORTABLE, RAILCAR LOADING, VAN STONE, MODEL C, 570" L. X 24" W., (OPTIONAL) A/N: 375053	D54	C31 C55		PM: (9) [RULE 405, 2-7-1986]	C1.5, D323.2, E1.1
BAGHOUSE, CLOTH FILTER, MIKRO PULSAIRE, MODEL 36S-10-30, 424 SQ.FT.; 36 BAGS A/N: 375052	C55	D54		PM: (9) [RULE 404, 2-7-1986]	C10.1, D12.1, D322.1, D381.2, E102.1, K67.2
Process 6: EXTERNAL COMBUSTION					

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

**FACILITY PERMIT TO OPERATE
THE PQ CORP.**

SECTION D: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

**FACILITY PERMIT TO OPERATE
 THE PQ CORP.**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1	1	1	0
D2	1	1	0
D3	1	1	0
D4	1	1	0
D5	1	1	0
D6	1	1	0
C7	1	1	0
D8	1	2	1
D9	1	2	1
D11	2	2	1
D12	2	2	1
D13	2	2	1
D14	2	2	1
D16	2	2	2
D17	2	2	2
D18	3	2	2
D19	3	2	2
D20	3	2	2
C21	3	2	2
D22	3	3	1
D23	3	3	1
D24	3	3	1
D25	3	3	1
D26	3	3	1
D27	3	3	1
D28	4	3	1
D29	4	3	1
D30	4	3	1
C31	4	3	1
C32	4	3	1
D36	4	3	3
D37	4	3	3
D38	4	3	3
D39	5	3	3
D40	5	3	3

**FACILITY PERMIT TO OPERATE
THE PQ CORP.**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D41	5	3	3
E50	6	7	0
D51	6	6	0
C53	2	2	1
D54	4	3	1
D54	5	3	5
C55	5	3	5
E56	6	7	0
D57	1	2	1
D58	2	2	1

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

DEVICE CONDITIONS

A. Emission Limits

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 7846 LBS IN ANY ONE DAY
SOX	Less than or equal to 176 LBS IN ANY ONE DAY
CO	Less than or equal to 8406 LBS IN ANY ONE DAY
PM	Less than or equal to 223 LBS IN ANY ONE DAY

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D18]

B. Material/Fuel Type Limits

B59.1 The operator shall not use the following material(s) in this device :

dense type soda ash with less than 58 percent by weight sodium oxide

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D18]

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the material processed to no more than 800 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as sand and soda ash.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D1, D2, D5, D6]

C1.2 The operator shall limit the material processed to no more than 1056 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as solid sodium silicate.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D22, D25, D28, D29]

C1.4 The operator shall limit the material processed to no more than 263 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as the furnace pull rate.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D18]

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

- C1.5 The operator shall limit the material processed to no more than 4000 ton(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as solid sodium silicate.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D54]

- C8.1 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 1 gpm.

The operator shall monitor the spray nozzles for the rate of water being applied to dry materials.

To comply with this condition, the operator shall install and maintain a flow meter to accurately indicate the flow rate of water being supplied to the spray nozzles.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D16, D17]

- C10.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is maintained between 1 and 8 inches water column.

To comply with this condition, the operator shall monitor the differential pressure as specified in condition number 12-1.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C7, C21, C31, C32, C53, C55]

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the pressure across the filters.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C7, C21, C31, C32, C53, C55]

D322.1 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C7, C21, C31, C32, C53, C55]

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D18, D40, D41]

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D1, D2, D3, D4, D5, D6, D8, D9, D11, D12, D13, D14, D16, D17, D19, D20, D22, D23, D24, D25, D26, D27, D28, D29, D30, D36, D37, D38, D39, D54, D57, D58]

- D328.2 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with BACT limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D51]

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C7, C31, C32, C53]

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C21, C55]

E. Equipment Operation/Construction Requirements

E1.1 The operator shall vent the emissions from this equipment to only one of the devices identified in the "connected to" column of this facility permit at any given time.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D54]

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

E71.1 The operator shall not run this equipment if more than two dissolvers are feeding into it.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D40, D41]

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C7, C21, C31, C32, C53, C55]

E193.1 The operator shall construct, operate, and maintain this equipment according to the following requirements:

The operator shall notify the Administrator at least 60 days prior to changing the furnace from a furnace with modified processes to one without modified processes, or visa versa.

[40CFR 60 Subpart CC, 10-17-2000]

[Devices subject to this condition : D18]

H. Applicable Rules

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Refrigerants | 40CFR82, SUBPART | F

[RULE 1415, 10-14-1994; **40CFR 82 Subpart F, 5-14-1993**]

[Devices subject to this condition : E56]

K. Record Keeping/Reporting

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : E50]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

FACILITY PERMIT TO OPERATE THE PQ CORP.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Visual inspections of the filter bags for any tear or damage once a year

the name of the person performing the inspection and/or maintenance of the filter media

the date, time and results of the inspection

the date, time and description of any maintenance or repairs resulting from the inspection

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C7, C21, C31, C32, C53, C55]