

FACILITY PERMIT TO OPERATE INEOS POLYPROPYLENE LLC

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	Emission * And Requirements	Conditions
Process 1: Polypropylene Manufacturing Plant					P46.1
System 7: Polypropylene Hopper Car Loading & Hopper Car Wash					
BLOWER, BL-22402, ELUTRIATOR WASH AIR FAN A/N 563891	D2249				D323.1
BLOWER, BL-22411, LOAD OUT TRANSFER A/N 563891	D2253				D323.1
BLOWER, BL-23400, HOPPER CAR WASH UNLOADING BLOWER, 775 CU.FT./MIN A/N 563891	D2255	C2306			D323.1
BLOWER, BL-23401, HOPPER CAR WASH DRYING FAN, 13270 CU.FT./MIN A/N 563891	D2256				D323.1
BLOWER, BL-22440, ELUTRIATOR ROTARY FEEDER, 150,000 LBS/HR A/N 563891	D2257				D323.1
FEEDER, FD-22446, ELUTRIATOR/LOAD OUT VENT FILTER ROTARY FEEDER A/N 563891	D2259				D323.1
FILTER, FL-22409, ELUTRIATOR WASH AIR FAN FILTER A/N 563891	D2263				D323.1
FILTER, FL-23402, HOPPER CAR WASH UNLOADING BLOWER GUARD FILTER, 775 ACFM A/N 563891	D2267				D323.1
FILTER, FL-23403, HOPPER CAR WASH DRYING FAN FILTER, 12370 ACFM A/N 563891	D2268				D323.1

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FILTER, FL-22429, LOAD OUT TRANSFER BLOWER FILTER A/N 563891	D2269				D323.1
TANK, TK-23407, HOPPER CAR WASH WATER SUMP, WIDTH: 6 FT; HEIGHT: 10 FT; LENGTH: 14 FT A/N 563891	D2271				D323.1
VESSEL, EL-22427, ELUTRIATOR, 150,000 LBS/HR A/N 563891	D2274	C2302			D323.1
BLOWER, BL-2245, ELUTRIATOR/LOAD OUT VENT FILTER FAN A/N 563891	D2435				D323.1
System 13: APC Serving Polypropylene Hopper Car Loading & Hopper Car Wash					
BAGHOUSE, FL-22418, ELUTRIATOR/LOAD OUT VENT FILTER, 17200 SCFM, 3500 SQ. FT. A/N 566618	C2302	D2274		PM: (9) [RULE 404, 2-7-1986]	A63.5, C6.1, D28.4, D322.1, D381.1, E102.1, K40.1, K67.1

PROCESS CONDITIONS

- P46.1 The following conditions shall apply to VOC service fugitive components from this process:
- All components are subject to 40CFR60, Subpart DDD.
 - All new valves greater than 2-inch size and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173, shall be distinctly identified from other components through their tag number (e.g. numbers ending in the letter "N"), and shall be noted in the records.
 - All valves in VOC service as defined in Rule 1173, except those specifically exempted by Rule 1173, shall be bellow-sealed valves for 2-inch and smaller sizes, except in the following applications heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard (e.g. drain valves with valve stems in horizontal position), and retrofits with space limitations.
 - All components are subject to District Rule 1173 and 40CFR60, Subpart GGG.
 - All new components in VOC service with a leak greater than 500 ppm but less than 1,000 ppm, as methane measure above background using EPA Method 21, shall be repaired within 14 days of detection. A leak greater than 1,000 ppm shall be repaired according to Rule 1173.
 - All new pressure relief valves shall be connected to closed vent system or equipped with rupture disc.
 - All new sampling connections shall be closed-purge, closed-loop, or closed-vent system.

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[RULE 1173, 5-13-1994; RULE 173, 6-1-2007; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; 40CFR 60 Subpart DDD, 10-4-1991; 40CFR 60 Subpart GGG, 6-7-1985]
[Processes subject to this condition: 1]

DEVICE CONDITIONS

A. Emission Limits

A63.5 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
PM10	Less than or equal to 0.72 lbs per day.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]
[Devices subject to this condition: C2302]

C. Throughput or Operating Parameter Limits

C6.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 12 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the bags.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]
[Devices subject to this condition: C2289, C2294, C2296, C2299, C2302, C2306]

D. Monitoring/Testing Requirements

D28.4 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine the PM10 emissions at the outlet.

The test shall be conducted to determine the solid PM emissions at the outlet.

The test shall be conducted to determine the flow rate at the outlet.

The test shall be conducted when the Elutriator is operating at least at 80 percent of its maximum rated capacity.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted at least annually.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002, RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

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

[Devices subject to this condition: C2302]

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; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition: C2292, C2294, C2296, C2299, C2302, C2306, C2452, C2453, C2454]

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 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 actions(s) that eliminates the visible emissions and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2) Have determined compliance with the opacity standard, using EPA Method 9 or the procedure in the CARB manual "Visible Emission Evaluation", 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 emission;
- 3) Date and time visible emission was abated; and
- 4) All visible emission observation records by operator or a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D2199, D2202, D2206, D2212, D2214, D2215, DD2218, DD2219, D2220, D2223, D2224, D2225, D2249, D2253, D2255, D2256, D2257, D2259, D2263, D2267, D2268, D2269, D2271, D2274, D2277, D2279, D2284, D2283, D2453, D2458]

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

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

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 emission; and
- 3) Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]
[Devices subject to this condition: C2292, C2294, C2296, C2299, C2302, C2306, C2452, C2453, C2454]

E. Equipment Operation/Construction Requirements

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: C2289, C2292, C2294, C2296, C2299, C2302, C2306, C2452, C2453, C2454]

K. Record Keeping/Reporting

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 130(b)(2)-Offset, 12-6-2002]
[Devices subject to this condition: C2292, C2294, C2295, C2296, C2299, C2302, C2306, C2452, C2453, C2454]

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

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.

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

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition: C2289, C2292, C2294, C2296, C2299, C2302, C2306, C2452, C2453, C2454]