West Virginia Department of Environmental Protection
Division of Air Quality

Title V Operating Permit Revision

Jim Justice
Governor

Austin Caperton
Cabinet Secretary

For Minor Modification Permitting Action Under 45CSR30 and Title V of the Clean Air Act

Permit Action Number: MM01 **SIC:** 2834
Name of Permittee: Mylan Pharmaceuticals, Inc.
Facility Name/Location: Morgantown
County: Monongalia
Facility Address: 781 Chestnut Ridge Rd.
Morgantown, WV 26505

Description of Permit Revision: This modification is for the addition of one (1) coating pan (247) and an associated dust collector (CC 10024526) and the addition of one (1) additional cartridge-type dust collector (CC 10030432) to control particulate matter emissions from specific production rooms (Rooms 74-101 to 74-110).

Title V Permit Information:
Permit Number: R30-06100033-2017
Issued Date: March 9, 2017
Effective Date: March 23, 2017
Expiration Date: March 9, 2022

Directions To Facility: I-79 to Exit 155. Follow signs for WVU. Follow US Route 19 to Coliseum. Turn left onto SR 705 for approximately 1.2 miles. Turn right to stay on SR 705 (Chestnut Ridge Road). Follow for approximately 0.6 miles to plant on left.

THIS PERMIT REVISION IS ISSUED IN ACCORDANCE WITH THE WEST VIRGINIA AIR POLLUTION CONTROL ACT (W.VA. CODE §§ 22-5-1 ET SEQ.) AND 45CSR30 - "REQUIREMENTS FOR OPERATING PERMITS." THE PERMITTEE IDENTIFIED AT THE FACILITY ABOVE IS AUTHORIZED TO OPERATE THE STATIONARY SOURCES OF AIR POLLUTANTS IDENTIFIED HEREIN IN ACCORDANCE WITH ALL TERMS AND CONDITIONS OF THIS PERMIT.

William F. Durham
Director

June 9, 2017
Date Issued

Permit Number: **R30-06100033-2017**
Permittee: **Mylan Pharmaceuticals, Inc.**
Facility Name: **Morgantown**
Mailing Address: **781 Chestnut Ridge Road, Morgantown, WV 26505**

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45CSR30 — Requirements for Operating Permits. The permittee identified at the above-referenced facility is authorized to operate the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Facility Location:	Morgantown, Monongalia County, West Virginia
Mailing Address:	PO Box 4310, Morgantown, WV 26504-4310
Telephone Number:	(304) 599-2595
Type of Business Entity:	Corporation
Facility Description:	Pharmaceutical Compounding and Formulating
SIC Codes:	2834
UTM Coordinates:	589.6 km Easting • 4390.1 km Northing • Zone 17

Permit Writer: Rex Compston, P.E.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

Issuance of this Title V Operating Permit does not supersede or invalidate any existing permits under 45CSR13, 14 or 19, although all applicable requirements from such permits governing the facility's operation and compliance have been incorporated into the Title V Operating Permit.

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1.0 Emission Units and Active R13, R14, and R19 Permits

1.1. Emission Units

Emission Point ID	Control Device	Emission Unit ID	Mylan ID & Emission Unit Description	Design Capacity	Year Installed/ Modified
001	None	001	Boiler 3: Natural gas boiler	6.27 MMBtu/hr	1987
002	None	002	Boiler 4: Natural gas boiler	1.5 MMBtu/hr	1987
003	None	003	Boiler 5: Natural gas boiler	6.00 MMBtu/hr	1991
004	None	004	Boiler 2: Natural gas boiler	1.18 MMBtu/hr	1974
006	None	006	Boiler 1: Natural gas boiler	3.34 MMBtu/hr	1968
007	None	007	Boiler 7: Natural gas boiler	6.99 MMBtu/hr	1997
008	None	008	Boiler 8: Natural gas boiler	6.99 MMBtu/hr	1997
009	None	009	Boiler 11: Natural gas boiler	2.07 MMBtu/hr	2000
009	None	009A	Boiler 12: Natural gas boiler	2.07 MMBtu/hr	2000
010	None	010	Boiler 15: Natural gas boiler	7 MMBtu/hr	2004
011	None	011	Boiler 2343: Natural gas boiler	21.0 MMBtu/hr	2005
012	None	012	Boiler 2344: Natural gas boiler	21.0 MMBtu/hr	2005
013	None	013	Boiler 2345: Natural gas boiler	21.0 MMBtu/hr	2005
014	None	014	Boiler 2674: Natural gas boiler	0.65 MMBtu/hr	2005
015	None	015	Boiler 2675: Natural gas boiler	0.65 MMBtu/hr	2005
016	None	016	Boiler 24524: Natural gas boiler	6.0 MMBtu/hr	2016
210	210	210	Coating Pan 169: Coating pan controlled by cartridge collector EF169	500 lb/load	1985
215	CC EF1390*	215	Coating Pan 1390	750 lb/load	1999
220	220	220	Coating Pan 186: Coating pan controlled by cartridge collector EF186	500 lb/load	1986
230	230	230	Coating Pan 217: Coating pan controlled by cartridge collector EF217	500 lb/load	1987
240	240	240	Coating Pan 99: Coating pan controlled by cartridge collector EF99	500 lb/load	1983
241	CC EF 4553*	241	Coating Pan 4549	750 lb/load	2009
242	CC EF4101*	242	Coating Pan 4027	245 lb/load	2008
243	243	243	Coating Pan 3853: Coating Pan controlled by cartridge collector 4164	750 lbs/load	2008
244; 10008085(2)	CC 10024526; RTO*	244	Coating Pan 7552	750 lb/load	2010
245; 10008085(2)	CC 10024525; RTO*	245	Coating Pan 8421	750 lb/load	2010

Emission Point ID	Control Device	Emission Unit ID	Mylan ID & Emission Unit Description	Design Capacity	Year Installed/ Modified
246 10008085(2)	CC 23583; RTO*	246	Coating Pan 23581	750 lbs/load	2015
247 10008085(2)	CC 10024526; RTO*	247	Coating Pan 30426	750 lbs/load	2017
260; 10008085(2)	RTO*	260	Oven 19	Varies	Prior to 1973
261; 10008085(2)	RTO*	261	Oven 18	Varies	Prior to 1973
264; 10008085(2)	RTO*	264	Oven 0021	Electric, Load Varies	2013
1911; 10008085(2)	RTO*	1911	Coating Line 1911	10.77 lb/hr	2014
280	Rotoclone 4	Rooms 74-101 – 74-122, 74-129	Room General Exhaust	Varies	1992
281	Rotoclone 3	Rooms 74-151, 74-153,91-129, 91-130, 91-132, 91-134 – 91-137, 91-139, 91-229, 91-230, 91-232, 91-329, 91-330, 91-332, 91-334 – 91-337	Room General Exhaust	Varies	1991
282	Rotoclone 3798*	Rooms 74-150, 74-152, 74-154, 74-159, 74-160, 74-161, 74-162, 74-212, 91-232, 91-233	Room General Exhaust	Varies	2013
283	Rotoclone 2	Rooms 74-205 – 74-209, 99-217 – 99-219	Room General Exhaust	Varies	1982
287	Rotoclone 6*	Rooms BL209, BL211, BL214, BL304, BL306, BL307, BL309- BL314, BL316, BL402 – BL404, BL406-BL414, BL416	Room General Exhaust	Varies	1996
288	Rotoclone 5*	Rooms BB101-BB103, BB106, BB108-BB111, BB113-BB118, BB201-BB203, BB206-BB208, BB210-BB217, BB303, BB312	Room General Exhaust	Varies	1996
291	Rotoclone 7*	Rooms 85-205A – 85-208A, 99-105, 99-114 – 99-122, 99-209, ORG201A – ORG204A	Room General Exhaust	Varies	1999
294	Rotoclone 9*	Rooms BB112, 85-106, 85-108, 85-114, 85-115, 85-102, 85-104, 85-107, 85-110	Room General Exhaust	Varies	2003
295	Rotoclone 10*	Rooms BL218, BL219	Room General Exhaust	Varies	2004

Emission Point ID	Control Device	Emission Unit ID	Mylan ID & Emission Unit Description	Design Capacity	Year Installed/ Modified
296	Rotoclone 2317*	Rooms NEX140, NEX142, NEX144, NEX146, NEX159 - NEX162	Room General Exhaust	Varies	2005
297	Rotoclone 2318*	Rooms NEX139, NEX141, NEX143, NEX145, NEX152 - NEX158, NEX163, NEX164	Room General Exhaust	Varies	2005
298	Rotoclone 2319*	Rooms NEX131 - NEX136, NEX138, NEX147, NEX148	Room General Exhaust	Varies	2005
299	Rotoclone 2320*	Rooms NEX175, NEX177, NEX179, NEX181, NEX183	Room General Exhaust	Varies	2005
300	Rotoclone 2321*	Rooms NEX176, NEX178, NEX180, NEX182, NEX186 - NEX189	Room General Exhaust	Varies	2005
305	Rotoclone 2322*	Rooms NEX231, NEX232, NEX234, NEX275-NEX283, NEX286-NEX289	Room General Exhaust	Varies	2005
306	Rotoclone 2323*	Rooms NEX211A-217A	Room General Exhaust	Varies	2005
307	Rotoclone 2324*	Rooms NEX372, NEX374, NEX376, NEX378, NEX380	Room General Exhaust	Varies	2005
308	Rotoclone 2325*	Rooms NEX349, NEX362, NEX364, NEX366, NEX368, NEX369	Room General Exhaust	Varies	2005
309	Rotoclone 2326*	Rooms NEX346, NEX355, NEX357, NEX359 - NEX361	Room General Exhaust	Varies	2005
310	Rotoclone 2327*	Rooms NEX375, NEX377, NEX379, NEX381	Room General Exhaust	Varies	2005
311	Rotoclone 2328*	Rooms NEX 216A, NEX217A, NEX535-NEX538	Room General Exhaust	Varies	2005
312	Rotoclone 2329*	Rooms NEX321 - NEX330, NEX421 – NEX430	Room General Exhaust	Varies	2005
313	Rotoclone 2330*	Rooms NEX303, NEX405 - NEX412	Room General Exhaust	Varies	2005
314	Rotoclone 2331*	Rooms NEX468, NEX469, NEX472 - NEX480	Room General Exhaust	Varies	2005

Emission Point ID	Control Device	Emission Unit ID	Mylan ID & Emission Unit Description	Design Capacity	Year Installed/ Modified
315	Rotoclone 2332*	Rooms NEX435 - NEX438, NEX413 - NEX416, NEX419	Room General Exhaust	Varies	2005
316	Rotoclone 2333*	Rooms NEX464 - NEX467, NEX481, NEX482, NEX484 - NEX492	Room General Exhaust	Varies	2005
317	Rotoclone 2334*	Rooms NEX305- NEX312, NEX316	Room General Exhaust	Varies	2005
318	Rotoclone 2335*	Rooms NEX445B, NEX445C, NEC445D, NEX445E, NEX445F, NEX445G	Room General Exhaust	Varies	2005
319	Rotoclone 2336*	Rooms NEX514, NEX516A-D, NEX522 -NEX524, NEX526, NEX528, NEX530, NEX535 - NEX538	Room General Exhaust	Varies	2005
320	Rotoclone 2337*	Rooms NEX503, NEX505, NEX507, NEX509, NEX511, NEX513	Room General Exhaust	Varies	2005
321	Rotoclone 2338*	Rooms NEX506, NEX508, NEX510, NEX512, NEX515	Room General Exhaust	Varies	2005
322	CC 17034*	Rooms 74-174, 74-175, 74-176, 74-177, 74-179, 74-179A, 74-180, 74-180A	Room General Exhaust	Varies	2012
533	CC 10024047*	533	Fluid Bed 527	Up to 575 Kg/Load	1991
534; 10008085(2)	CCEF473; RTO*	534	Fluid Bed 473	Up to 250 Kg/Load	1997
535	CC EF1339*	535	Fluid Bed 1339	Up to 575 Kg/Load	1997
536	CC EF1222*	536	Fluid Bed 1222	Up to 250 Kg/Load	1997
537	CC EF1552*	537	Fluid Bed 1552	Up to 575 Kg/Load	1997
538; 10008085(2)	CC EF1855; RTO*	538	Fluid Bed 1855	Up to 250 Kg/Load	2002
571	CC EF2113*	571	Fluid Bed 2113	Up to 575 Kg/Load	2004
572; 10008085(2)	CC EF2181; RTO*	572	Fluid Bed 2181	Up to 250 Kg/Load	2004
573; 10008538(2)	CC 3340*; Absorber	573	Fluid Bed 2811	Up to 575 Kg/Load	2006
574; 10008085(2)	CC 3416; RTO*	574	Fluid Bed 3287	Up to 250 Kg/Load	2006

Emission Point ID	Control Device	Emission Unit ID	Mylan ID & Emission Unit Description	Design Capacity	Year Installed/ Modified
575; 10008085(2)	CC 3643; RTO*	575	Fluid Bed 3620	Up to 250 Kg/Load	2007
576; 10008085(2)	CC 3407; RTO*	576	Fluid Bed 3426	Up to 575 Kg/Load	2007
577; 10008085(2)	CC 3881; RTO*	577	Fluid Bed 3704	Up to 250 Kg/Load	2008
578; 10008085(2)	CC 3879; RTO*	578	Fluid Bed 3705	Up to 575 Kg/Load	2008
579; 10008538(2)	CC 4287*; Absorber	579	Fluid Bed 4001	Up to 575 Kg/Load	2008
580; 10008085(2)	CC 10007482; RTO*	580	Fluid Bed 7560	Up to 575 Kg/Load	2010
581	CC 15982*	581	Fluid Bed 15982	Up to 250 Kg/Load	2011
582	CC 16117*	582	Fluid Bed 16117	Up to 575 Kg/Load	2011
583	CC 10024247*	583	Fluid Bed 24410	Up to 575 Kg/Load	2016
N/A	None	N/A	Class I or Class II CFC-containing Equipment Subject to 40 CFR Part 82 Subpart F	Varies	Varies
10008085	None	10008085	Regenerative Thermal Oxidation	16.0 mmBtu/hr 3,070 lbs/hr	2010
10008538	None	10008538	Absorber	Up to 4,000 cfm	2010
10007530	None	10007530	Kohler 100 REZG Natural Gas Fired Emergency Generator	162 bhp/1,800 rpm	2010
10008594	None	10008594	Kohler 100 REZG Natural Gas Fired Emergency Generator	162 bhp/1,800 rpm	2011
1053	None	1053	750 kW Detroit Diesel/MTU	1,006 bhp/1800 rpm	2011
1053	None	1053	Diesel Fuel Tank	2,100 Gallons	2011
323	CC 10023125*	Rooms 87-103 to 87-117	Room General Exhaust	Varies	2014
324	CC 10030432*	Rooms 74-101 to 74-110	Room General Exhaust	Varies	2017

*Identifies pollution control equipment included in R13-2068ST.
(1)CC = Cartridge Collector; WS = Wet Scrubber; RTO = Regenerative Thermal Oxidizer
(2)Noted Emissions Units/Sources are authorized to exhaust (after the Cartridge Collector) to the RTO/Absorber (as applicable) and to atmosphere

1.2. Active R13, R14, and R19 Permits

The underlying authority for any conditions from R13, R14, and/or R19 permits contained in this operating permit is cited using the original permit number (e.g. R13-1234). The current applicable version of such permit(s) is listed below.

Permit Number	Date of Issuance
R13-2068~~S~~T	~~October 27, 2016~~ April 4, 2017
G60-C035A	December 28, 2011

2.0 General Conditions

2.1. Definitions

2.1.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.

2.1.2. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.

2.1.3. "Secretary" means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45CSR§30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.

2.1.4. Unless otherwise specified in a permit condition or underlying rule or regulation, all references to a "rolling yearly total" shall mean the sum of the monthly data, values or parameters being measured, monitored, or recorded, at any given time for the previous twelve (12) consecutive calendar months.

2.2. Acronyms

CAAA	Clean Air Act Amendments	**NSPS**	New Source Performance Standards
CBI	Confidential Business Information	**PM**	Particulate Matter
CEM	Continuous Emission Monitor	**PM_{10}**	Particulate Matter less than 10μm in diameter
CES	Certified Emission Statement	**pph**	Pounds per Hour
C.F.R. *or* CFR	Code of Federal Regulations	**ppm**	Parts per Million
CO	Carbon Monoxide	**PSD**	Prevention of Significant Deterioration
C.S.R. *or* CSR	Codes of State Rules	**psi**	Pounds per Square Inch
DAQ	Division of Air Quality	**SIC**	Standard Industrial Classification
DEP	Department of Environmental Protection	**SIP**	State Implementation Plan
FOIA	Freedom of Information Act	**SO_2**	Sulfur Dioxide
HAP	Hazardous Air Pollutant	**TAP**	Toxic Air Pollutant
HON	Hazardous Organic NESHAP	**TPY**	Tons per Year
HP	Horsepower	**TRS**	Total Reduced Sulfur
lbs/hr *or* lb/hr	Pounds per Hour	**TSP**	Total Suspended Particulate
LDAR	Leak Detection and Repair	**USEPA**	United States Environmental Protection Agency
m	Thousand	**UTM**	Universal Transverse Mercator
MACT	Maximum Achievable Control Technology	**VEE**	Visual Emissions Evaluation
mm	Million	**VOC**	Volatile Organic Compounds
mmBtu/hr	Million British Thermal Units per Hour		
$mmft^3$/hr *or* mmcf/hr	Million Cubic Feet Burned per Hour		
NA *or* N/A	Not Applicable		
NAAQS	National Ambient Air Quality Standards		
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		
NO_x	Nitrogen Oxides		

2.3. Permit Expiration and Renewal

2.3.1. Permit duration. This permit is issued for a fixed term of five (5) years and shall expire on the date specified on the cover of this permit, except as provided in 45CSR§30-6.3.b. and 45CSR§30-6.3.c.
[45CSR§30-5.1.b.]

2.3.2. A permit renewal application is timely if it is submitted at least six (6) months prior to the date of permit expiration.
[45CSR§30-4.1.a.3.]

2.3.3. Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with 45CSR§30-6.2. and 45CSR§30-4.1.a.3.
[45CSR§30-6.3.b.]

2.3.4. If the Secretary fails to take final action to deny or approve a timely and complete permit application before the end of the term of the previous permit, the permit shall not expire until the renewal permit has been issued or denied, and any permit shield granted for the permit shall continue in effect during that time.
[45CSR§30-6.3.c.]

2.4. Permit Actions

2.4.1. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
[45CSR§30-5.1.f.3.]

2.5. Reopening for Cause

2.5.1. This permit shall be reopened and revised under any of the following circumstances:

a. Additional applicable requirements under the Clean Air Act or the Secretary's legislative rules become applicable to a major source with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the 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 has been extended pursuant to 45CSR§§30-6.6.a.1.A. or B.

b. Additional requirements (including excess emissions requirements) become applicable to an affected source under Title IV of the Clean Air Act (Acid Deposition Control) or other legislative rules of the Secretary. Upon approval by U.S. EPA, excess emissions offset plans shall be incorporated into the permit.

c. The Secretary or U.S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

d. The Secretary or U.S. EPA determines that the permit must be revised or revoked and reissued to assure compliance with the applicable requirements.

[45CSR§30-6.6.a.]

2.6. Administrative Permit Amendments

2.6.1. The permittee may request an administrative permit amendment as defined in and according to the procedures specified in 45CSR§30-6.4.
[45CSR§30-6.4.]

2.7. Minor Permit Modifications

2.7.1. The permittee may request a minor permit modification as defined in and according to the procedures specified in 45CSR§30-6.5.a.
[45CSR§30-6.5.a.]

2.8. Significant Permit Modification

2.8.1. The permittee may request a significant permit modification, in accordance with 45CSR§30-6.5.b., for permit modifications that do not qualify for minor permit modifications or as administrative amendments.
[45CSR§30-6.5.b.]

2.9. Emissions Trading

2.9.1. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit and that are in accordance with all applicable requirements.
[45CSR§30-5.1.h.]

2.10. Off-Permit Changes

2.10.1. Except as provided below, a facility may make any change in its operations or emissions that is not addressed nor prohibited in its permit and which is not considered to be construction nor modification under any rule promulgated by the Secretary without obtaining an amendment or modification of its permit. Such changes shall be subject to the following requirements and restrictions:

a. The change must meet all applicable requirements and may not violate any existing permit term or condition.

b. The permittee must provide a written notice of the change to the Secretary and to U.S. EPA within two (2) business days following the date of the change. Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.

c. The change shall not qualify for the permit shield.

d. The permittee shall keep records describing all changes made at the source that result in emissions of regulated air pollutants, but not otherwise regulated under the permit, and the emissions resulting from those changes.

e. No permittee may make any change subject to any requirement under Title IV of the Clean Air Act (Acid Deposition Control) pursuant to the provisions of 45CSR§30-5.9.

f. No permittee may make any changes which would require preconstruction review under any provision of Title I of the Clean Air Act (including 45CSR14 and 45CSR19) pursuant to the provisions of 45CSR§30-5.9.

[45CSR§30-5.9.]

2.11. Operational Flexibility

2.11.1. The permittee may make changes within the facility as provided by § 502(b)(10) of the Clean Air Act. Such operational flexibility shall be provided in the permit in conformance with the permit application and applicable requirements. No such changes shall be a modification under any rule or any provision of Title I of the Clean Air Act (including 45CSR14 and 45CSR19) promulgated by the Secretary in accordance with Title I of the Clean Air Act and the change shall not result in a level of emissions exceeding the emissions allowable under the permit.
[45CSR§30-5.8]

2.11.2. Before making a change under 45CSR§30-5.8., the permittee shall provide advance written notice to the Secretary and to U.S. EPA, describing the change to be made, the date on which the change will occur, any changes in emissions, and any permit terms and conditions that are affected. The permittee shall thereafter maintain a copy of the notice with the permit, and the Secretary shall place a copy with the permit in the public file. The written notice shall be provided to the Secretary and U.S. EPA at least seven (7) days prior to the date that the change is to be made, except that this period may be shortened or eliminated as necessary for a change that must be implemented more quickly to address unanticipated conditions posing a significant health, safety, or environmental hazard. If less than seven (7) days notice is provided because of a need to respond more quickly to such unanticipated conditions, the permittee shall provide notice to the Secretary and U.S. EPA as soon as possible after learning of the need to make the change.
[45CSR§30-5.8.a.]

2.11.3. The permit shield shall not apply to changes made under 45CSR§30-5.8., except those provided for in 45CSR§30-5.8.d. However, the protection of the permit shield will continue to apply to operations and emissions that are not affected by the change, provided that the permittee complies with the terms and conditions of the permit applicable to such operations and emissions. The permit shield may be reinstated for emissions and operations affected by the change:

a. If subsequent changes cause the facility's operations and emissions to revert to those authorized in the permit and the permittee resumes compliance with the terms and conditions of the permit, or

b. If the permittee obtains final approval of a significant modification to the permit to incorporate the change in the permit.

[45CSR§30-5.8.c.]

2.11.4. "Section 502(b)(10) changes" are changes that contravene an express permit term. Such changes do not include changes that would violate applicable requirements or contravene enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.
[45CSR§30-2.39]

2.12. Reasonably Anticipated Operating Scenarios

2.12.1. The following are terms and conditions for reasonably anticipated operating scenarios identified in this permit.

a. Contemporaneously with making a change from one operating scenario to another, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating and to document the change in reports submitted pursuant to the terms of this permit and 45CSR30.

b. The permit shield shall extend to all terms and conditions under each such operating scenario; and

c. The terms and conditions of each such alternative scenario shall meet all applicable requirements and the requirements of 45CSR30.

[45CSR§30-5.1.i.]

2.13. Duty to Comply

2.13.1. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
[45CSR§30-5.1.f.1.]

2.14. Inspection and Entry

2.14.1. The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:

a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

[45CSR§30-5.3.b.]

2.15. Schedule of Compliance

2.15.1. For sources subject to a compliance schedule, certified progress reports shall be submitted consistent with the applicable schedule of compliance set forth in this permit and 45CSR§30-4.3.h., but at least every six (6) months, and no greater than once a month, and shall include the following:

a. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

b. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measure adopted.

[45CSR§30-5.3.d.]

2.16. Need to Halt or Reduce Activity not a Defense

2.16.1. 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. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.
[45CSR§30-5.1.f.2.]

2.17. Emergency

2.17.1. An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.
[45CSR§30-5.7.a.]

2.17.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of 45CSR§30-5.7.c. are met.
[45CSR§30-5.7.b.]

2.17.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;

b. The permitted facility was at the time being properly operated;

c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

d. Subject to the requirements of 45CSR§30-5.1.c.3.C.1, the permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice, report, and variance request fulfills the requirement of 45CSR§30-5.1.c.3.B. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

[45CSR§30-5.7.c.]

2.17.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
[45CSR§30-5.7.d.]

2.17.5. This provision is in addition to any emergency or upset provision contained in any applicable requirement.
[45CSR§30-5.7.e.]

2.18. Federally-Enforceable Requirements

2.18.1. All terms and conditions in this permit, including any provisions designed to limit a source's potential to emit and excepting those provisions that are specifically designated in the permit as "State-enforceable only", are enforceable by the Secretary, USEPA, and citizens under the Clean Air Act.
[45CSR§30-5.2.a.]

2.18.2. Those provisions specifically designated in the permit as “State-enforceable only” shall become “Federally-enforceable” requirements upon SIP approval by the USEPA.

2.19. Duty to Provide Information

2.19.1. The permittee shall furnish to the Secretary within a reasonable time any information the Secretary 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, the permittee shall also furnish to the Secretary copies of records required to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.
[45CSR§30-5.1.f.5.]

2.20. Duty to Supplement and Correct Information

2.20.1. Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.
[45CSR§30-4.2.]

2.21. Permit Shield

2.21.1. Compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance provided that such applicable requirements are included and are specifically identified in this permit or the Secretary has determined that other requirements specifically identified are not applicable to the source and this permit includes such a determination or a concise summary thereof.
[45CSR§30-5.6.a.]

2.21.2. Nothing in this permit shall alter or affect the following:

a. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance; or

b. The applicable requirements of the Code of West Virginia and Title IV of the Clean Air Act (Acid Deposition Control), consistent with § 408 (a) of the Clean Air Act.

c. The authority of the Administrator of U.S. EPA to require information under § 114 of the Clean Air Act or to issue emergency orders under § 303 of the Clean Air Act.

[45CSR§30-5.6.c.]

2.22. Credible Evidence

2.22.1. Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee including but not limited to any challenge to the credible evidence rule in the context of any future proceeding.
[45CSR§30-5.3.e.3.B. and 45CSR38]

2.23. Severability

2.23.1. The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid by a court of competent jurisdiction, the remaining permit terms and conditions or their application to other circumstances shall remain in full force and effect.
[45CSR§30-5.1.e.]

2.24. Property Rights

2.24.1. This permit does not convey any property rights of any sort or any exclusive privilege.
[45CSR§30-5.1.f.4]

2.25. Acid Deposition Control

2.25.1. Emissions shall not exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act (Acid Deposition Control) or rules of the Secretary promulgated thereunder.

a. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid deposition control program, provided that such increases do not require a permit revision under any other applicable requirement.

b. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement.

c. Any such allowance shall be accounted for according to the procedures established in rules promulgated under Title IV of the Clean Air Act.

[45CSR§30-5.1.d.]

2.25.2. Where applicable requirements of the Clean Air Act are more stringent than any applicable requirement of regulations promulgated under Title IV of the Clean Air Act (Acid Deposition Control), both provisions shall be incorporated into the permit and shall be enforceable by the Secretary and U. S. EPA.
[45CSR§30-5.1.a.2.]

3.0 Facility-Wide Requirements

3.1. Limitations and Standards

3.1.1. **Open burning.** The open burning of refuse by any person is prohibited except as noted in 45CSR§6-3.1. **[45CSR§6-3.1.]**

3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause or allow any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible. **[45CSR§6-3.2.]**

3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them. **[40 C.F.R. §61.145(b) and 45CSR34]**

3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public. **[45CSR§4-3.1 State-Enforceable only.]**

3.1.5. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11. **[45CSR§11-5.2]**

3.1.6. **Emission inventory.** The permittee is responsible for submitting, on an annual basis, an emission inventory in accordance with the submittal requirements of the Division of Air Quality. **[W.Va. Code § 22-5-4(a)(14)]**

3.1.7. **Ozone-depleting substances.** For those facilities performing maintenance, service, repair or disposal of appliances, the permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 C.F.R. Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the prohibitions and required practices pursuant to 40 C.F.R. §§ 82.154 and 82.156.

b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 C.F.R. § 82.158.

c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 C.F.R. § 82.161.

[40 C.F.R. 82, Subpart F]

3.1.8. **Risk Management Plan.** Should this stationary source, as defined in 40 C.F.R. § 68.3, become subject to Part 68, then the owner or operator shall submit a risk management plan (RMP) by the date specified in 40 C.F.R. § 68.10 and shall certify compliance with the requirements of Part 68 as part of the annual compliance certification as required by 40 C.F.R. Part 70 or 71.
[40 C.F.R. 68]

3.1.9. The owner or operator of a plant shall maintain particulate matter control of the plant premises, and plant owned, leased or controlled access roads, by paving, application of asphalt, chemical dust suppressants or other suitable dust control measures. Good operating practices shall be implemented and when necessary particulate matter suppressants shall be applied in relation to stockpiling and general material handling to minimize particulate matter generation and atmospheric entrainment.
[45CSR7-5.2.]

3.1.10. Due to unavoidable malfunction of equipment, emissions exceeding limits set forth in 45CSR7 may be permitted by the Director for periods not to exceed ten (10) days upon specific application to the Director. Such application shall be made within twenty-four (24) hours of the malfunction. In cases of major equipment failure, additional time periods may be granted by the Director provided a corrective program has been submitted by the owner or operator and approved by the Director.
[45CSR§7-9.1.]

3.1.11. Facility-wide emissions to the atmosphere of Hazardous Air Pollutants (HAPs) shall not exceed or equal 9.4 tons per year of any single HAP or 24.4 tons per year of any combination of HAPs. Yearly total HAPs will be determined using a 12-month rolling total.
[45CSR13, Permit No. R13-2068 (Condition 3.1.7.)]

3.1.12. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment, identified with an asterisk, in Section 1.1. and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11. and Permit No. R13-2068 (Condition 4.1.1.)]

3.2. Monitoring Requirements

3.2.1. The facility shall monitor on a monthly and yearly basis facility-wide HAP usage. Yearly HAP calculations shall be based on a 12-month rolling total.
[45CSR13, Permit No. R13-2068 (Condition 3.2.1.)]

3.3. Testing Requirements

3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may

at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63, if applicable, in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable.

b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit.

c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.

d. The permittee shall submit a report of the results of the stack test within 60 days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the compliance status evaluation. The summary of conditions shall include the following:

1. The permit or rule evaluated, with the citation number and language.

2. The result of the test for each permit or rule condition.

3. A statement of compliance or non-compliance with each permit or rule condition.

[WV Code §§ 22-5-4(a)(14-15) and 45CSR13]

3.4. Recordkeeping Requirements

3.4.1. **Monitoring information.** The permittee shall keep records of monitoring information that include the following:

a. The date, place as defined in this permit and time of sampling or measurements;

b. The date(s) analyses were performed;

c. The company or entity that performed the analyses;

d. The analytical techniques or methods used;

e. The results of the analyses; and

f. The operating conditions existing at the time of sampling or measurement.

[45CSR§30-5.1.c.2.A.; 45CSR13, Permit No. R13-2068 (Condition 4.2.1.)]

3.4.2. **Retention of records.** The permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of monitoring sample, measurement, report, application, or record creation date. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Where appropriate, records may be maintained in computerized form in lieu of the above records.
[45CSR§30-5.1.c.2.B.]

3.4.3. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.
[45CSR§30-5.1.c. State-Enforceable only.]

3.4.4. **Fugitive Dust Control Systems.** The permittee shall maintain records indicating the use of any dust suppressants or any other suitable dust control measures applied at the facility. The permittee shall also inspect all fugitive dust control systems monthly to ensure that they are operated and maintained in conformance with their designs. The permittee shall maintain records of such inspections and of all scheduled and non-scheduled maintenance of such systems. These records shall be maintained on site for five (5) years from the record creation date, stating any maintenance or corrective actions taken as a result of the monthly inspections, and the times the fugitive dust control system(s) are inoperable and any corrective actions taken.
[45CSR§30-5.1.c.]

3.4.5. To demonstrate compliance with the facility-wide HAP limits, the permittee shall maintain monthly and yearly records of facility-wide HAP usage. The facility shall prepare monthly facility-wide calculations of the amount of each individual HAP emitted and the amount of aggregated HAPs emitted. Yearly HAP calculations shall be based on a 12-month rolling total.
[45CSR13, Permit No. R13-2068 (Condition 3.4.3.)]

3.4.6. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment identified with an asterisk in Section 1.1., the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[45CSR13, Permit No. R13-2068 (Condition 4.2.2.)]

3.4.7. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment identified with an asterisk in Section 1.1., the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

a. The equipment involved.

b. Steps taken to minimize emissions during the event.

c. The duration of the event.

d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded.

e. The cause of the malfunction.

f. Steps taken to correct the malfunction.

g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, Permit No. R13-2068 (Condition 4.2.3.)]

3.5. Reporting Requirements

3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.
[45CSR§§30-4.4. *and* 5.1.c.3.D.]

3.5.2. A permittee may request confidential treatment for the submission of reporting required under 45CSR§30-5.1.c.3. pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
[45CSR§30-5.1.c.3.E.]

3.5.3. Except for the electronic submittal of the annual certification to the USEPA as required in 3.5.5 below, all notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, mailed first class or by private carrier with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:

Director
WVDEP
Division of Air Quality
601 57th Street SE
Charleston, WV 25304

If to the US EPA:

Associate Director
Office of Air Enforcement and Compliance Assistance (3AP20)
U. S. Environmental Protection Agency
Region III

Phone: 304/926-0475
FAX: 304/926-0478

1650 Arch Street
Philadelphia, PA 19103-2029

3.5.4. **Certified emissions statement.** The permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality.
[45CSR§30-8.]

3.5.5. **Compliance certification.** The permittee shall certify compliance with the conditions of this permit on the forms provided by the DAQ. In addition to the annual compliance certification, the permittee may be required to submit certifications more frequently under an applicable requirement of this permit. The annual certification shall be submitted to the DAQ and USEPA on or before March 15 of each year, and shall certify compliance for the period ending December 31. The annual certification to the USEPA shall be submitted in electronic format only. It shall be submitted by e-mail to the following address: R3_APD_Permits@epa.gov. The permittee shall maintain a copy of the certification on site for five (5) years from submittal of the certification.
[45CSR§30-5.3.e.]

3.5.6. **Semi-annual monitoring reports.** The permittee shall submit reports of any required monitoring on or before September 15 for the reporting period January 1 to June 30 and on or before March 15 for the reporting period July 1 to December 31. All instances of deviation from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with 45CSR§30-4.4.
[45CSR§30-5.1.c.3.A.]

3.5.7. **Emergencies.** For reporting emergency situations, refer to Section 2.17 of this permit.

3.5.8. **Deviations.**

a. In addition to monitoring reports required by this permit, the permittee shall promptly submit supplemental reports and notices in accordance with the following:

1. Any deviation resulting from an emergency or upset condition, as defined in 45CSR§30-5.7., shall be reported by telephone or telefax within one (1) working day of the date on which the permittee becomes aware of the deviation, if the permittee desires to assert the affirmative defense in accordance with 45CSR§30-5.7. A written report of such deviation, which shall include the probable cause of such deviations, and any corrective actions or preventative measures taken, shall be submitted and certified by a responsible official within ten (10) days of the deviation.

2. Any deviation that poses an imminent and substantial danger to public health, safety, or the environment shall be reported to the Secretary immediately by telephone or telefax. A written report of such deviation, which shall include the probable cause of such deviation, and any corrective actions or preventative measures taken, shall be submitted by the responsible official within ten (10) days of the deviation.

3. Deviations for which more frequent reporting is required under this permit shall be reported on the more frequent basis.

4. All reports of deviations shall identify the probable cause of the deviation and any corrective actions or preventative measures taken.

[45CSR§30-5.1.c.3.C.]

b. The permittee shall, in the reporting of deviations from permit requirements, including those attributable to upset conditions as defined in this permit, report the probable cause of such deviations and any corrective actions or preventive measures taken in accordance with any rules of the Secretary. **[45CSR§30-5.1.c.3.B.]**

3.5.9. **New applicable requirements.** If any applicable requirement is promulgated during the term of this permit, the permittee will meet such requirements on a timely basis, or in accordance with a more detailed schedule if required by the applicable requirement. **[45CSR§30-4.3.h.1.B.]**

3.6. Compliance Plan

3.6.1. N/A

3.7. Permit Shield

3.7.1. The permittee is hereby granted a permit shield in accordance with 45CSR§30-5.6. The permit shield applies provided the permittee operates in accordance with the information contained within this permit.

3.7.2. The following requirements specifically identified are not applicable to the source based on the determinations set forth below. The permit shield shall apply to the following requirements provided the conditions of the determinations are met.

a. 45CSR27 – *To Prevent and Control the Emissions of Toxic Air Pollutants.* This rule does not apply to the facility because the facility currently does not have the potential to emit any such air pollutant in quantities equal to or greater than those set forth in this rule.
b. 40 C.F.R. 60, Subpart Ka – *Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978 and Prior to July 23, 1984.* This subpart does not apply to the storage tanks at the facility because the tanks do not contain a petroleum liquid and the tanks have a capacity (8,200 gallons each) less than those tanks defined as an affected facility.
c. 40 C.F.R. 60, Subpart Kb – *Standard of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984.* There are no tanks at this facility that have a capacity of 75 cubic meters or greater, therefore, per 40 C.F.R. §60.110b(a), this subpart does not apply.
d. 40 C.F.R. 63, Subpart F – *National Emissions Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry.* The facility does not manufacture any of the chemicals listed in Table I of Subpart F as a primary product.
e. 40 C.F.R. 63, Subpart G – *National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.* The facility is not subject to Subpart F, therefore, it is not subject to Subpart G of Part 63.

f. 40 C.F.R. 63, Subpart FFFF – *National Standards for Miscellaneous Organic Chemical Manufacturing.* The facility does not emit hazardous air pollutants at major levels and is therefore not subject to this subpart.

g. 40 C.F.R. 63, Subpart GGG – *National Standards for Pharmaceuticals Production.* The facility does not emit hazardous air pollutants at major levels and is therefore not subject to this subpart.

h. 40 C.F.R. 63, Subpart DDDDD – *National Standards for Industrial, Commercial, and Institutional Boilers and Process Heaters.* The facility is not a major source of hazardous air pollutants and is therefore not subject to this subpart.

i. 40 C.F.R. 63, Subpart VVVVVV – *National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources.* Mylan has stated that all HAP emissions are from the quality control laboratories, which are exempt from this subpart according to 40 C.F.R. § 63.11494(c)(4).

j. 40 C.F.R. 64 - *Compliance Assurance Monitoring.* This is the third permit renewal for this facility. At the time of the second renewal, CAM was determined not to be applicable to the sources currently in use at the facility. Since the second renewal, several new pieces of equipment were installed at this facility. Any units installed since the second renewal either do not use control devices or, the pre-control device PTE of any unit being routed to a control device is less than major source thresholds, therefore CAM still does not apply.

k. 45CSR§2-5.1 – The facility burns natural gas only; therefore this section of 45CSR2 does not apply.

l. 45CSR§10-4 – The facility's manufacturing process source operations do not emit sulfur dioxide with the exception of trace amounts from natural gas combustion.

m. 45CSR§10-5 & 45CSR§10-8 – The facility's boilers burn only natural gas; therefore, they are exempt from the requirements of these sections of 45CSR10.

n. 45CSR10A – *Testing, Monitoring, Recordkeeping and Reporting Requirements Under 45CSR10.* The facility's boilers combust natural gas only; therefore, the facility is exempt from the requirements of this rule.

4.0 Boilers [emission point ID(s): 001, 002, 003, 004, 006, 007, 008, 009, 009A, 010, 011, 012, 013, 014, 015, 016]

4.1. Limitations and Standards

4.1.1. No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any fuel burning unit which is greater than ten (10) percent opacity based on a six-minute block average.
[45CSR§2-3.1 and 45CSR13, Permit No. R13-2068 (Condition 5.1.1.)]

4.1.2. Compliance with the visible emission requirements of 45CSR2, subsection 3.1 (4.1.1.), shall be determined in accordance with 40 C.F.R. Part 60, Appendix A, Method 9 or by using measurements from continuous opacity monitoring systems approved by the Director. The Director may require the installation, calibration, maintenance and operation of continuous opacity monitoring systems and may establish policies for the evaluation of continuous opacity monitoring results and the determination of compliance with the visible emission requirements of 4.1.1. Continuous opacity monitors shall not be required on fuel burning units, which employ wet scrubbing systems for emission control.
[45CSR§2-3.2 and 45CSR13, R13-2068 (Condition 5.1.2.)]

4.1.3. The maximum amount of natural gas to be burned by a single boiler 7, 8, 15 (Emission Unit IDs 007, 008, 010) shall not exceed 7,000 ft^3/hr or 61,320,000 ft^3/yr.
[45CSR13, Permit No. R13-2068 (Condition 5.1.11.)] *(007, 008, 010)*

4.1.4. Maximum emissions from each boiler 7, 8, 15 (Emission Unit IDs 007, 008, 010) shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
Carbon Monoxide	0.59	2.58
Nitrogen Oxides	0.70	3.07
$PM_{2.5}/PM_{10}/PM^{(1)}$	0.10	0.30
Sulfur Dioxide	0.10	0.10
Volatile Organic Compounds	0.10	0.20

(1) Including Condensables

[45CSR13, Permit No. R13-2068 (Conditions 5.1.5., 5.1.6. and 5.1.7.)] *(007, 008, 010)*

4.1.5. The three (3) Bryan Steam Corporation boilers 2343, 2344 & 2345 (Emission Unit IDs 011, 012, & 013) shall combust only natural gas fuel. The maximum amount of natural gas consumed by each boiler shall not exceed 20,590 ft^3/hr and 180.4 million ft^3/yr.
[45CSR13, Permit No. R13-2068 (Condition 5.1.12.)] *(011, 012, 013)*

4.1.6. Each of the three (3) 21.0 MMBtu/hr Bryan Steam Corporation boilers 2343, 2344, 2345 (Emission Unit IDs 011, 012, & 013) shall not exceed the following emission rates:

Pollutant	Maximum Hourly Emissions per Boiler (lb/hr)	Maximum Annual Emissions per Boiler (tpy)
Carbon Monoxide	4.07	17.84
Nitrogen Oxides	2.06	9.02
$PM_{2.5}/PM_{10}/PM^{(1)}$	0.20*	0.86
Sulfur Dioxide	0.02**	0.05
Volatile Organic Compounds	0.21	0.92

(1) Including Condensables

*Compliance with this streamlined limit will assure compliance with 45CSR§2-4.1.b. and R13-2068 (Condition 5.1.3.).

**Compliance with this streamlined limit will assure compliance with 45CSR§10-3.3.f. and R13-2068 (Condition 5.1.4.).

[45CSR§2-4.1.b., 45CSR§10-3.3.f., and 45CSR13, Permit No. R13-2068 (Conditions 5.1.3., 5.1.4., and 5.1.9.)] *(011, 012, 013)*

4.1.7. Maximum emissions to the atmosphere from Emission Point ID# 016 (6 MMBtu/hr Bryan Steam Corporation Boiler) shall not exceed the following emission limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
Carbon Monoxide	1.16	5.10
Nitrogen Oxides	0.59	2.58
$PM_{2.5}/PM_{10}/PM^{(1)}$	0.06	0.24
Sulfur Dioxide	0.004	0.015
Volatile Organic Compounds	0.06	0.26

(1) Including Condensables

[45CSR13, Permit No. R13-2068 (Conditions 5.1.8.)] *(016)*

4.1.8. The maximum amount of natural gas to be burned by a single boiler 24524 (Emission Point ID #016) shall not exceed 6,000 ft^3/hr or 52,600,000 ft^3/yr.
[45CSR13, Permit No. R13-2068 (Condition 5.1.10.)] *(016)*

4.2. Monitoring Requirements

4.2.1. The facility shall monitor the amount of natural gas used and the hours of operation for Boilers 7, 8, 15, 2343, 2344, 2345, and 24524 (Emission Unit IDs 007, 008, 010, 011, 012, 013, and 016) on a monthly and yearly basis. To demonstrate compliance with the emission limits and natural gas usage limits, the permittee shall record for each boiler the monthly hours of operation, and the monthly fuel consumption.
[45CSR16, 45CSR§2-8.3.c; 40 C.F.R. § 60.48c(g) (Subpart Dc); 45CSR13, Permit No. R13-2068 (Conditions 5.2.2., 5.2.3., and 5.4.1.)] *(007, 008, 010, 011, 012, 013, and 016)*

4.2.2. At such reasonable times as the Director may designate, the permittee shall conduct Method 9 emission observations for the purpose of demonstrating compliance with the opacity standards of 45CSR§2-3.1. Method 9 shall be conducted in accordance with 40 C.F.R. 60, Appendix A.
[45CSR13, Permit No. R13-2068 (Condition 5.2.1.)]

4.3. Testing Requirements

4.3.1. Reserved.

4.4. Recordkeeping Requirements

4.4.1. A record of each visible emission check shall be maintained on site for five (5) years from the record creation date. Such record shall include, but not be limited to, the date, time, name of emission unit, the applicable visible emissions requirement, the results of the check, what action(s), if any, was/were taken, and the name of the observer.
[45CSR13, Permit No. R13-2068 (Condition 5.4.2.)]

4.5. Reporting Requirements

4.5.1. See Section 3.5 Facility - Wide Reporting Requirements

4.6. Compliance Plan

4.6.1. None

5.0 Fluid Bed Granulators [emission point ID(s): 533, 534, 535, 536, 537, 538, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, and 583]

5.1. Limitations and Standards

5.1.1. No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any process source operation, which is greater than twenty (20) percent opacity.
[45CSR§7-3.1 and 45CSR13, Permit No. R13-2068 (Condition 6.1.1.)]

5.1.2. Maximum particulate matter emissions ($PM_{2.5}$/PM_{10}/PM) from each Fluid Bed to the atmosphere shall not exceed 0.1 pounds per hour and 0.1 tons per year.
[45CSR§7-4.1. and 45CSR13, Permit No. R13-2068 (Conditions 6.1.2. and 6.1.3.)] *Compliance with this streamlined limit will assure compliance with 45CSR§7-4.1. and Permit No. R13-2068 (Condition 6.1.2.)*

5.1.3. The fluid beds shall operate according to the following requirements:

a. The aggregate dry material loading of the fluid bed (excluding times of tablet/beads coating in a fluid bed) shall not exceed the following limits:

(1) Fluid Beds 473, 1222, 1855, 2181, 3287, 3620, 3704, 15982 (Emission Unit IDs 534, 536, 538, 572, 574, 575, 577, 581): 250 kg/load
(2) Fluid Beds 527, 1339, 1552, 2113, 2811, 3426, 3705, 4001, 7560, 16117, 24410 (Emission Unit IDs 533, 535, 537, 571, 573, 576, 578, 579, 580, 582, 583): 575 kg/load

b. The annual aggregate dry material loading of all fluid beds shall not exceed 99,000,000 pounds on a rolling yearly total basis.

c. Cartridge collectors shall be used at all times on each fluid bed to control particulate matter emissions. Each collector shall, at a minimum, achieve a collection efficiency of 95%.

d. The spray rate used in each fluid bed shall not exceed 4 kilograms-VOC/minute.

e. Fluid Beds 473, 1855, 2181, 3287, 3620, 3426, 3704, 3705, and 7560 (Emission Unit IDs 534, 538, 572, 574 – 578, and 580) shall have the capability of directing exhaust to the RTO for control of VOCs or emitting directly to atmosphere.

f. Fluid Beds 2811 and 4001 (Emission Unit IDs 573 and 579) shall have the capability of directing exhaust to the absorber for control of VOCs or emitting directly to atmosphere.

g. No HAP-containing solvents shall be processed in any fluid bed.

[45CSR13, Permit No. R13-2068 (Condition 6.1.6.)]

5.1.4. Maximum hourly VOC emissions to the atmosphere from the Fluid Beds shall not exceed:

a. 529.2 lb/hr for each fluid bed (Except Emission Point ID 583) if not venting exhaust to the RTO or absorber for the purpose of controlling VOC emissions.

b. 10.59 lb/hr (as emitted from the RTO) each for Fluid Beds 473, 1855, 2181, 3287, 3620, 3426, 3704, 3705, and 7560 (Emission Unit IDs 534, 538, 572, 574 – 578, and 580) if venting exhaust to the RTO for the purpose of controlling VOC emissions.

c. 26.46 lb/hr (as emitted from the absorber) each for Fluid Bed 2811 and 4001 (Emission Unit IDs 573 and 579) if venting exhaust to the absorber for the purpose of controlling VOC emissions.

[45CSR13, Permit No. R13-2068 (Condition 6.1.4.)]

5.1.5. Maximum total combined annual VOC emissions to the atmosphere from the Fluid Beds shall not exceed 74.0 tons/year.
[45CSR13, Permit No. R13-2068 (Condition 6.1.5.)]

5.2. Monitoring Requirements

5.2.1. For the purposes of demonstrating compliance with the minimum cartridge collection efficiency as given under 5.1.3.c, the permittee shall:

a. Install, maintain, and operate the cartridge collectors consistent with safety and good air pollution control practices for minimizing emissions, and shall follow all manufacturer's recommendations concerning control device maintenance and performance.

b. Conduct a weekly visual inspection of the cartridge, cartridge connections, and dust hoppers of each cartridge collector, in order to ensure proper operation of cartridge collectors. Records shall be maintained on site for five (5) years from the record creation date. Records shall state the date and time of each cartridge collector inspection, the inspection results, and corrective actions taken, if any.

c. Either conduct representative performance testing, pursuant to the performance testing procedures as outlined under 3.3.1. of this permit, on the cartridge collectors to determine a minimum collection efficiency or produce a vendor guarantee stating that the cartridge collectors (or associated filters) will meet a minimum collection efficiency of 95%.

[45CSR13, Permit No. R13-2068 (Condition 6.2.2.)]

5.2.2. Visible emissions monitoring shall be conducted initially at least once per month for all emission points subject to opacity limitations. After three consecutive monthly readings in which no visible emissions are observed from any of the subject emission points, those emission points will be allowed to conduct visible emissions checks once per calendar quarter. If visible emissions are observed during a quarterly monitoring from an emission point(s), then that emission point(s) with observed emissions or opacity shall be required to revert to monthly monitoring. Any emission point that has reverted to monthly monitoring shall be allowed to again conduct quarterly visible emissions checks only after three consecutive monthly readings in which no visible emissions are observed from the subject emission point.

These visible emission checks shall be conducted in accordance with 40 CFR 60, Appendix A, Method 22 during periods of facility operation for a sufficient time interval, but not less than one (1) minute, to determine if the unit has visible emissions. If sources of visible emissions are identified during the survey, or at any other time, the permittee shall conduct a 40 CFR 60, Appendix A, Method 9 evaluation within twenty four (24) hours. A Method 9 evaluation shall not be required if the visible emissions condition is corrected within twenty four (24) hours from the time the visible emission condition was identified and the unit is operated at normal operating conditions.
[45CSR13, Permit No. R13-2068 (Conditions 6.2.1.); 45CSR§30-5.1.c]

5.2.3. For the purposes of demonstrating compliance with maximum dry material loading set forth in 5.1.3.a., the permittee shall monitor and record the total dry material per load for each fluid bed. This requirement may be waived if the permittee is able to demonstrate that the maximum reasonable design capacity of each fluid bed is equal or less than the maximum load given under 5.1.3.a. or if the permittee is able to demonstrate that the maximum loading based on product formulations is equal or less than the maximum load given under 5.1.3.a.
[45CSR13, Permit No. R13-2068 (Conditions 6.2.3.)]

5.2.4. For the purposes of demonstrating compliance with maximum annual aggregate dry material loading set forth in 5.1.3.b., the permittee shall monitor and record the aggregate monthly and rolling twelve month total amount of dry material into the fluid beds.
[45CSR13, Permit No. R13-2068 (Conditions 6.2.4.)]

5.2.5. For the purposes of demonstrating compliance with maximum annual VOC emission limit set forth in 5.1.5, the permittee shall:

a. Monitor and record the aggregate monthly and rolling twelve month total amount of VOCs in pounds used in each fluid bed with the exception of Fluid Beds 473, 1855, 2181, 2811, 3287, 3620, 3426, 3704, 3705, 4001, 7560 (Emission Unit IDs 534, 538, and 572 – 580).

b. Monitor and record the aggregate monthly and rolling twelve month total amount of VOCs in pounds used in Fluid Beds 473, 1855, 2181, 2811, 3287, 3620, 3426, 3704, 3705, 4001, 7560 (Emission Unit IDs 534, 538, and 572 – 580) when each bed is and is not venting exhaust to the RTO/Absorber (as applicable) for the purpose of controlling VOCs.

c. Calculate and record the monthly and rolling twelve month aggregate VOC emissions from all fluid beds by summing the following:

(1) The total amount of VOCs in pounds used in each fluid bed with the exception of Fluid Beds 473, 1855, 2181, 2811, 3287, 3620, 3426, 3704, 3705, 4001, 7560 (Emission Unit IDs 534, 538, and 572 – 580).

(2) The total amount of VOCs in pounds used in Fluid Beds 473, 1855, 2181, 2811, 3287, 3620, 3426, 3704, 3705, 4001, 7560 (Emission Unit IDs 534, 538, and 572 – 580) when not venting exhaust to the RTO/Absorber (as applicable) for the purpose of controlling VOCs.

(3) The total amount of VOCs used in Fluid Beds 473, 1855, 2181, 3287, 3620, 3426, 3704, 3705, and 7560 (Emission Unit IDs 534, 538, 572, 574 – 578, and 580) when venting exhaust to the RTO for the purpose of controlling VOCs. Based on compliance with Requirement 8.1.7 of this permit, the permittee may apply a VOC destruction efficiency of 98% to the amount of VOCs used in Fluid Beds 473, 1855, 2181, 3287, 3620, 3426, 3704, 3705, and 7560 (Emission Unit IDs 534, 538, 572, 574 – 578, and 580) when venting exhaust to the RTO for the purpose of controlling VOCs.

(4) The total amount of VOCs used in Fluid Beds 2811 and 4001 (Emission Unit IDs 573 and 579) when venting exhaust to the Absorber for the purpose of controlling VOCs. Based on compliance with Requirement 11.1.2 of this permit, the permittee may apply a VOC destruction efficiency of 95% to the amount of VOCs used in Fluid Beds 2811 and 4001 (Emission Unit IDs 573 and 579) when venting exhaust to the Absorber for the purpose of controlling VOCs.

[45CSR13, Permit No. R13-2068 (Conditions 6.2.5.)]

5.3. Testing Requirements

5.3.1. See Section 3.3.1.

5.4. Recordkeeping Requirements

5.4.1. The permittee shall maintain a record of all solvents used in the fluid beds and keep a copy of the associated MSDS/SDS to verify that the solvents did not contain any constituent HAPs.
[45CSR13, Permit No. R13-2068 (Condition 6.4.2.)]

5.4.2. Records of weekly inspections conducted on the cartridge collector shall be maintained on site for five (5) years from the record creation date. Records shall state the date and time of each cartridge collector inspection, the inspection results, and corrective actions taken, if any.
[45CSR13, Permit No. R13-2068 (Condition 6.4.1.)]

5.5. Reporting Requirements

5.5.1. See Section 3.5 Facility - Wide Reporting Requirements

5.6. Compliance Plan

5.6.1. None

6.0 Production Rooms [emission point ID(s): 280, 281, 282, 283, 287, 288, 291, 294, 295, 296, 297, 298, 299, 300, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324]

6.1. Limitations and Standards

6.1.1. No person shall cause, suffer, allow or permit emission of smoke and /or particulate matter into the open air from any process source operation, which is greater than twenty (20) percent opacity.
[45CSR§7-3.1. and 45CSR13, Permit No. R13-2068 (Condition 7.1.1.)] *(All units listed above)*

6.1.2. No person shall cause, suffer, allow or permit particulate matter to be vented into the open air from any type source operation or duplicate source operation, or from all air pollution control equipment installed on any type source operation or duplicate source operation in excess of the quantity specified for each of the following emission points (under the appropriate source operation type in Table 45-7A found at the end of 45CSR7):

Emission Point	PM Emission Limit (lb/hr)
280, 281, 283	1.20(1)
287, 288, 291, 294, & 295	1.20(1)
282, 296-300, 305-322	2.12(2)
323	1.16(3)
324	1.11(4)

(1) Based on a PWR of 1,000 lb/hr for a Type "a" source operation.
(2) Based on a PWR of 1,764 lb/hr for a Type "a" source operation.
(3) Based on a PWR of 964 lb/hr for a Type "a" source operation.
(4) Based on a PWR of 919 lb/hr for a Type "a" source operation.

Compliance with 45CSR§7-4.1 for emission points 287, 288, 291, 294, 295, 282, 296-300, and 305-3234 shall be demonstrated through compliance with the more stringent particulate emission limit set forth in 6.1.3 and 6.1.5.

[45CSR§7-4.1. and Permit No. R13-2068 (Condition 7.1.2.)]

6.1.3. Maximum particulate matter emissions to the atmosphere shall not exceed the following:

Source	Maximum PM Hourly Emissions (lb/hr)
Rotoclone (287)	0.4
Rotoclone (288)	0.4
Rotoclone (291)	0.4
Rotoclone (294)	0.4
Rotoclone (295)	0.4

[45CSR§7-4.1. and Permit No. R13-2068 (Condition 7.1.3.)] *Compliance with this streamlined limit will assure compliance with 45CSR§7-4.1.and Permit Number R13-2068 (Condition 7.1.2.)*

6.1.4. At all times the production rooms listed under Table 1.0 are in operation, exhaust from these shall be vented to the applicable control devices as listed under Table 1.0.
[45CSR13, Permit No. R13-2068 (Condition 7.1.5.)]

6.1.5. Maximum aggregate particulate matter (PM) emissions to the atmosphere from Emission Points 282, 296-300, and 305-3234, as emitted through the applicable control devices listed under Table 1.0, shall not exceed a maximum hourly emission rate of ~~0.90~~ 1.08 pounds per hour (lb/hr) and ~~2.19~~ 2.77 tons per year (tpy).
[45CSR§7-4.1. and 45CSR13, Permit No. R13-2068 (Condition 7.1.6.)] *Compliance with this streamlined limit will assure compliance with 45CSR§7-4.1.and Permit R13-2068 (Condition 7.1.2.).*

6.1.6. The Rotoclone control devices and cartridge collector servicing production rooms shall be designed to achieve a collection efficiency of 98% for particulate matter emissions.
[45CSR13, Permit No. R13-2068 (Condition 7.1.4.)]

6.1.7. The permittee shall maintain and operate low water supply pressure sensors with control panel alarms for each Rotoclone to ensure adequate water supply and flow rate to the Rotoclones at each emission point specified, in order to ensure proper operation of the Rotoclone.
[45CSR13, Permit No. R13-2068 (Condition 7.1.7.)]

6.2. Monitoring Requirements

6.2.1. Visible emissions monitoring shall be conducted initially at least once per month for all emission points subject to opacity limitations. After three consecutive monthly readings in which no visible emissions are observed from any of the subject emission points, those emission points will be allowed to conduct visible emissions checks once per calendar quarter. If visible emissions are observed during a quarterly monitoring from an emission point(s), then that emission point(s) with observed emissions or opacity shall be required to revert to monthly monitoring. Any emission point that has reverted to monthly monitoring shall be allowed to again conduct quarterly visible emissions checks only after three consecutive monthly readings in which no visible emissions are observed from the subject emission point.

These visible emission checks shall be conducted in accordance with 40 CFR 60, Appendix A, Method 22 during periods of facility operation for a sufficient time interval, but not less than one (1) minute, to determine if the unit has visible emissions. If sources of visible emissions are identified during the survey, or at any other time, the permittee shall conduct a 40 CFR 60, Appendix A, Method 9 evaluation within twenty four (24) hours. A Method 9 evaluation shall not be required if the visible emissions condition is corrected within twenty four (24) hours from the time the visible emission condition was identified and the unit is operated at normal operating conditions.
[45CSR13, Permit No. R13-2068 (Conditions 7.2.1.); 45CSR§30-51.1.c]

6.2.2. For the purposes of demonstrating compliance with the minimum cartridge collection efficiency as given under 6.1.6, the permittee shall:

a. Install, maintain, and operate the cartridge collectors consistent with safety and good air pollution control practices for minimizing emissions, and shall follow all manufacturer's recommendations concerning control device maintenance and performance;

b. Conduct a weekly visual inspection of the cartridge, cartridge connections, and dust hoppers of each cartridge collector, in order to ensure proper operation of cartridge collectors. Records shall be maintained on site for five (5) years from the record creation date. Records shall state the date and time of each cartridge collector inspection, the inspection results, and corrective actions taken, if any; and

c. Either conduct representative performance testing, pursuant to the performance testing procedures as outlined under 3.3.1. of this permit, on the cartridge collectors to determine a minimum collection efficiency or produce a vendor guarantee stating that the cartridge collectors (or associated filters) will meet a minimum collection efficiency of 98%.

[45CSR13, Permit No. R13-2068 (Conditions 7.2.2)]

6.3. Testing Requirements

6.3.1. See Section 3.3.1.

6.4. Recordkeeping Requirements

6.4.1. A record of each visible emission check shall be maintained on site for five (5) years from the record creation date. Such record shall include the date, time, name of emission unit, the applicable visible emissions requirement, the results of the check, what action(s), if any, was/were taken, and the name of the observer.
[45CSR13, Permit No. R13-2068 (Condition 7.4.1.)]

6.4.2. Records of Rotoclone low water supply pressure sensor alarm shall be maintained on site for five (5) years from the record creation date. Records shall state the date and time of each Rotoclone low water supply pressure sensor alarm.
[45CSR13, Permit No. R13-2068 (Condition 7.4.2.)]

6.5. Reporting Requirements

6.5.1. See Section 3.5 Facility - Wide Reporting Requirements

6.6. Compliance Plan

6.6.1. None

7.0 Coating Pans [emission point ID(s): 210, 215, 220, 230, 240, 241, 242, 243, 244, 245, 246, 247]

7.1. Limitations and Standards

7.1.1. No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any process source operation, which is greater than twenty (20) percent opacity.
[45CSR§7-3.1. and 45CSR13, Permit No. R13-2068 Condition 8.1.1.)]

7.1.2. No person shall cause, suffer, allow or permit particulate matter to be vented into the open air from any type source operation or duplicate source operation, or from all air pollution control equipment installed on any type source operation or duplicate source operation in excess of the quantity specified under the appropriate source operation type in Table 45-7A found at the end of 45CSR7. Based on the process weight rates for the Coating Pans (excluding Coating Pans 1390, 3853, 4549, 4027, 7552, 8421, ~~and~~ 23581, and 30426; Emission Unit ID No. 215, 241, 242, 243, 244, 245, ~~and~~ 246, and 247), 333 pounds per hour each, the corresponding allowable particulate matter emission rate is 0.4 pounds per hour each. Based on the process weight rates for Coating Pan 3853 (Emission Unit ID 243), 750 pounds per hour, the corresponding allowable particulate matter emission rate is 0.9 pounds per hour.
[45CSR§7-4.1] *(Coating Pans 169, 186, 217, 99, 3853; Emission Unit IDs 210, 220, 230, 240, 243)*

7.1.3. Particulate matter emissions from the Coating Pan, venting through a cartridge collector (Coating Pans 1390, 4549, 4027, 7552, 8421, ~~and~~ 23581, and 30426; Emission Unit IDs 215, 241, 242, 244, 245, 246, and 247) at Emission Point ID No. 215, 241, 242, 244, 245, ~~and~~ 246, and 247 shall not exceed the following:

Emission Unit	$PM_{2.5}/PM_{10}/PM$ Emission Limit	
	Pounds per Hour	Tons per Year
215	0.84	6.25
241	0.84	
242	0.28	
244	0.84	
245	0.84	
246	0.84	
247	0.84	

[45CSR§7-4.1 and 45CSR13, Permit No. R13-2068 (Conditions 8.1.2 and 8.1.3)] *(215, 241, 242, 244, 245, ~~and~~ 246, and 247) Compliance with this streamlined limit will assure compliance with 45CSR§7-4.1.and R13-2068 (Condition 8.1.2.).*

7.1.4. Maximum hourly volatile organic compound emissions to the atmosphere from the Coating Pans shall not exceed:

a. 396.9 lb/hr for each coating pan unit if not venting exhaust to the RTO for the purpose of controlling VOC emissions.

b. 7.94 lb/hr (as emitted from the RTO) each for Coating Pans 7552, 8421, ~~and~~ 23581, and 30426 (Emission Unit IDs 244, 245, ~~and~~ 246, and 247) if venting exhaust to the RTO for the purpose of controlling VOC emissions.

[45CSR13, Permit No. R13-2068 (Condition 8.1.4.)]

7.1.5. Maximum total combined annual volatile organic compound emissions to the atmosphere from the Coating Pans shall not exceed 5.0 tons/year.
[45CSR13, Permit No. R13-2068 (Condition 8.1.5.)]

7.1.6. The coating pans shall operate according to the following requirements:

a. The aggregate dry material loading of each coating pan shall not exceed the following values:

(1) Coating Pan 1390 (Emission Unit ID 215): 750 pound/load;
(2) Coating Pan 4549 (Emission Unit ID 241): 750 pound/load;
(3) Coating Pan 4027 (Emission Unit ID 242): 245 pound/load;
(4) Coating Pan 7552 (Emission Unit ID 244): 750 pound/load;
(5) Coating Pan 8421 (Emission Unit ID 245): 750 pound/load; ~~and~~
(6) Coating Pan 23581(Emission Unit ID 246): 750 pound/load~~.~~; and
(7) Coating Pan 30426 (Emission Unit ID 247): 750 pound/load.

b. The annual aggregate dry material loading of all coating pans shall not exceed 11,000,000 pounds on a rolling yearly total basis.

c. Cartridge collectors shall be used at all times on each coating pan to control particulate matter emissions. Each collector shall, at a minimum, achieve a collection efficiency of 95%.

d. The solvent spray rate processed in coating pans 4549, 4027, 7552, 8421, ~~and~~ 23581, and 30426 (Emission Unit IDs 241, 242, 244, 245, ~~and~~ 246, and 247) shall not exceed 3,000 grams-VOC/minute in each coating pan.

e. No VOC-containing solvents shall be processed in coating pan 1390 (Emission Unit ID 215).

f. Coating Pans 7552, 8421, ~~and~~ 23581, and 30426 (Emission Unit IDs 244, 245, ~~and~~ 246, and 247) shall have the capability of directing exhaust to RTO for control of VOCs or emitting directly to atmosphere.

g. No HAP-containing solvents shall be processed in any coating pan.

h. At any one time, a maximum of five (5) of the coating pans listed under 7.1.6(d) may utilize VOC-containing solvents in the production process. The permittee shall develop and maintain a written compliance procedure to ensure the facility meets this requirement.

[45CSR13, Permit No. R13-2068 (Condition 8.1.6.)]

7.2. Monitoring Requirements

7.2.1. Visible emissions monitoring shall be conducted initially at least once per month for all emission points subject to opacity limitations. After three consecutive monthly readings in which no visible emissions are observed from any of the subject emission points, those emission points will be allowed to conduct visible emissions checks once per calendar quarter. If visible emissions are observed during a quarterly monitoring from an emission point(s), then that emission point(s) with observed emissions or opacity shall be required to revert to monthly monitoring. Any emission point that has reverted to monthly monitoring shall be allowed to again conduct quarterly visible emissions checks only after three consecutive monthly readings in which no visible emissions are observed from the subject emission point.

These visible emission checks shall be conducted in accordance with 40 CFR 60, Appendix A, Method 22 during periods of facility operation for a sufficient time interval, but no less than one (1) minute, to determine if the unit has visible emissions. If sources of visible emissions are identified during the survey,

or at any other time, the permittee shall conduct a 40 CFR 60, Appendix A, Method 9 evaluation within twenty four (24) hours. A Method 9 evaluation shall not be required if the visible emissions condition is corrected within twenty four (24) hours from the time the visible emission condition was identified and the unit is operated at normal operating conditions.
[45CSR13, Permit No. R13-2068 (Condition 8.2.1.); 45CSR§30-5.1.c]

7.2.2. For the purposes of demonstrating compliance with the minimum cartridge collection efficiency as given under 7.1.6.c, the permittee shall:

a. Install, maintain, and operate the cartridge collectors consistent with safety and good air pollution control practices for minimizing emissions, and shall follow all manufacture's recommendations concerning control device maintenance and performance.

b. Conduct a weekly visual inspection of the cartridge, cartridge connections, and dust hoppers of each cartridge collector, in order to ensure proper operation of cartridge collectors. Records shall be maintained on site for five (5) years from the record creation date. Records shall state the date and time of each cartridge collector inspection, the inspection results, and corrective actions taken, if any.

c. Either conduct representative performance testing, pursuant to the performance testing procedures as outlined under 3.3.1. of this permit, on the cartridge collectors to determine a minimum collection efficiency or produce a vendor guarantee stating that the cartridge collectors (or associated filters) will meet a minimum collection efficiency of 95%.

[45CSR13, Permit No. R13-2068 (Condition 8.2.2.)]

7.2.3. For the purposes of demonstrating compliance with maximum dry material loading set forth in 7.1.6.a., the permittee shall monitor and record the total dry material per load for each coating pan. This requirement may be waived if the permittee is able to demonstrate that the maximum reasonable design capacity of each coating pan is equal or less than the maximum load given under 7.1.6.a. or if the permittee is able to demonstrate that the maximum loading based on product formulations is equal or less than the maximum load given under 7.1.6.a.
[45CSR13, Permit No. R13-2068 (Condition 8.2.3.)]

7.2.4. For the purposes of demonstrating compliance with maximum annual aggregate dry material loading set forth in 7.1.6.b., the permittee shall monitor and record the aggregate monthly and rolling twelve month total amount of dry material loaded into the coating pans.
[45CSR13, Permit No. R13-2068 (Condition 8.2.4.)]

7.2.5. For the purposes of demonstrating compliance with maximum annual VOC emission limit set forth in 7.1.5, the permittee shall:

a. Monitor and record the aggregate monthly and rolling twelve month total amount of VOCs in pounds used in each coating pan with the exception of Coating Pans 7552, 8421, ~~and~~ 23581, and 30426 (Emission Unit IDs 244, 245, ~~and~~ 246, and 247).

b. Monitor and record the aggregate monthly and rolling twelve month total amount of VOCs in pounds used in Coating Pans 7552, 8421, ~~and~~ 23581, and 30426 (Emission Unit IDs 244, 245, ~~and~~ 246, and 247) when each coating pan is and is not venting exhaust to the RTO for the purpose of controlling VOCs.

c. Calculate and record the monthly and rolling twelve month aggregate VOC emissions from all coating pans by summing the following:

(1) The total amount of VOCs in pounds used in each coating pan with the exception of Coating Pans 7552, 8421, ~~and~~ 23581, and 30426 (Emission Unit IDs 244, 245, ~~and~~ 246, and 247).

(2) The total amount of VOCs in pounds used in Coating Pans 7552, 8421, ~~and~~ 23581, and 30426 (Emission Unit IDs 244, 245, ~~and~~ 246, and 247) when not venting exhaust to the RTO for the purpose of controlling VOCs.

(3) The total amount of VOCs used in Coating Pans 7552, 8421, ~~and~~ 23581, and 30426 (Emission Unit IDs 244, 245, ~~and~~ 246, and 247) when venting exhaust to the RTO for the purpose of controlling VOCs. Based on compliance with Requirement 8.1.7 of this permit, the permittee may apply a VOC destruction efficiency of 98% to the amount of VOCs used in Coating Pans 7552, 8421, 23581, and 30426 (Emission Unit IDs 244, 245, ~~and~~ 246, and 247) when venting exhaust to the RTO for the purpose of controlling VOCs.

[45CSR13, Permit No. R13-2068 (Condition 8.2.5.)]

7.3. Testing Requirements

7.3.1. See Section 3.3.1.

7.4. Recordkeeping Requirements

7.4.1. Records of weekly inspections conducted on the cartridge collector shall be maintained on site for five (5) years from the record creation date. Records shall state the date and time of each cartridge collector inspection, the inspection results, and corrective actions taken, if any.
[45CSR13, Permit No. R13-2068 (Condition 8.4.1.)]

7.4.2. The permittee shall maintain a record of all solvents used in the coating pans and keep a copy of the associated MSDS/SDS to verify that the solvents did not contain any constituent HAPs.
[45CSR13, Permit No. R13-2068 (Condition 8.4.2.)]

7.5. Reporting Requirements

7.5.1. See Section 3.5 Facility - Wide Reporting Requirements

7.6. Compliance Plan

7.6.1. None

8.0 Regenerative Thermal Oxidizer (RTO) [emission point ID(s): 10008085]

8.1. Limitations and Standards

8.1.1. The permittee shall not cause, suffer, allow or permit particulate matter to be discharged from the RTO into the open air in excess of the quantity determined by use of the following formula:

Emissions (lb/hr) = F x Incinerator Capacity (tons/hr)

Where, the factor, F, is as indicated below:

Incinerator Capacity	Factor F
A. Less than 15,000 lbs/hr	5.43
B. 15,000 lbs/hr or greater	2.72

The expected maximum loading of the RTO(s) is 1.54 tons/hour (3,070 lbs/hr). Using this value in the above equation produces a PM emission limit of 8.36 lb/hr for the RTO(s). However, the RTO(s) are limited to emit a maximum 2.68 lb/hr of particulate matter in Condition 8.1.3.

[45CSR§6-4.1 and 45CSR13, Permit No. R13-2068 (Condition 9.1.1.)]

8.1.2. The permittee shall not cause or allow emission of smoke into the atmosphere from the RTO which is twenty percent (20%) opacity or greater. The provisions of 45CSR§6-4.3 shall not apply to smoke which is less than forty percent (40%) opacity, for a period or periods aggregating no more than eight (8) minutes per start-up, or six (6) minutes in any sixty (60)-minute period for stoking operations.
[45CSR§6-4.3 and 4.4 and 45CSR13, Permit No. R13-2068 (Condition 9.1.2.)]

8.1.3. Maximum emissions to the atmosphere from the RTO shall not exceed the values given in the following table:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
CO	28.76	10.44
NO_x	49.11	14.90
PM	2.68	0.96
PM_{10}	2.68	0.96
$PM_{2.5}$	2.68	0.96
SO_2	0.08	0.05
VOCs	61.49	6.59

[45CSR13, Permit No. R13-2068 (Condition 9.1.3.)]

8.1.4. The RTO shall be operated according to the following requirements:

a. The aggregate MDHI of the natural gas burner(s) shall not exceed 16.00 mmBtu/hr.

b. The aggregate annual amount of natural gas consumed by the RTO(s) shall not exceed 140.16 million cubic feet per rolling twelve month total.

c. The aggregate maximum amount of solvent combusted by the RTO(s) shall not exceed 3,070 lb/hour or 1,019,240 pounds per rolling twelve month period.

[45CSR13, Permit No. R13-2068 (Condition 9.1.4.)]

8.1.5. The RTO shall, at all times when Fluid Beds 473, 1855, 2181, 3287, 3620, 3426, 3704, 3705, and 7560 (Emission Unit IDs 534, 538, 572, 574 – 578, and 580); Coating Pans 7552, 8421, ~~and~~ 23581, and 30426 (Emission Unit IDs 244, 245, ~~and~~ 246, and 247); Oven Dryers 19, 18 and 0021 (Emission Unit IDs 260, 261, and 264); and the coating line are venting exhaust to the RTO for the purpose of controlling VOCs, achieve a minimum VOC destruction efficiency of 98%.
[45CSR13, Permit No. R13-2068 (Condition 9.1.5.)]

8.1.6. The permittee shall, within 60 days of the date of the performance test required under 8.3.2, determine the optimal operating ranges of the RTO parameters listed under 8.1.6(a) and (b) so as to monitor the effective operation of the RTO. The determination of operating ranges shall be based on data obtained from performance testing, manufacturing recommendations, or operational experience. The permittee shall maintain on-site, and update as necessary, a certified report listing the operating ranges. Any changes to the operating ranges shall be accompanied by the date of the change and reason for the change.

a. Minimum RTO Combustion Chamber Temperature; and

b. RTO Exhaust Flow Rate.
[45CSR13, Permit No. R13-2068 (Condition 9.1.6.)]

8.1.7. The permittee shall, to the extent reasonably possible, operate the RTO within the operating ranges as established under 8.1.6 at all times Fluid Beds 473, 1855, 2181, 3287, 3620, 3426, 3704, 3705, and 7560 (Emission Unit IDs 534, 538, 572, 574 – 578, and 580); Coating Pans 7552, 8421, ~~and~~ 23581, and 30426 (Emission Unit IDs 244, 245, ~~and~~ 246, and 247); Oven Dryers 19, 18 and 0021 (Emission Unit IDs 260, 261, and 264); and the coating line are venting exhaust to the RTO for the purpose of controlling VOCs. If an excursion from the operating ranges occurs, the permittee shall attempt to immediately correct the problem and follow the record-keeping procedures under 8.4.1. If the permittee is unable to correct the excursion in a timely fashion, for the purposes of emissions calculations under 5.2.5(c)(3), a VOC destruction efficiency of 98% may not be assumed for the duration of the venting of VOC from Fluid Beds 473, 1855, 2181, 3287, 3620, 3426, 3704, 3705, and 7560 (Emission Unit IDs 534, 538, 572, 574 – 578, and 580); Coating Pans 7552, 8421, ~~and~~ 23581, and 30426 (Emission Unit IDs 244, 245, ~~and~~ 246, and 247); Oven Dryers 19, 18 and 0021 (Emission Unit IDs 260, 261, and 264); and the coating line.
[45CSR13, Permit No. R13-2068 (Condition 9.1.7.)]

8.1.8. The permittee shall conduct, at a minimum, an annual inspection of the RTO to ensure proper operation of the control device. The inspection shall include the burner assemblies, blowers, fans, dampers, refractory lining, oxidizer shell, fuel lines, and ductwork.
[45CSR13, Permit No. R13-2068 (Condition 9.1.8.)]

8.2. Monitoring Requirements

8.2.1. Visible emissions monitoring shall be conducted initially at least once per month for all emission points subject to opacity limitations. After three consecutive monthly readings in which no visible emissions are observed from any of the subject emission points, those emission points will be allowed to conduct visible emissions checks once per calendar quarter. If visible emissions are observed during a quarterly monitoring from an emission point(s), then that emission point(s) with observed emissions or opacity shall be required to revert to monthly monitoring. Any emission point that has reverted to monthly monitoring

shall be allowed to again conduct quarterly visible emissions checks only after three consecutive monthly readings in which no visible emissions are observed from the subject emission point.

These visible emission checks shall be conducted in accordance with 40 CFR 60, Appendix A, Method 22 during periods of facility operation for a sufficient time interval, but no less than one (1) minute, to determine if the unit has visible emissions. If sources of visible emissions are identified during the survey, or at any other time, the permittee shall conduct a 40 CFR 60, Appendix A, Method 9 evaluation within twenty four (24) hours. A Method 9 evaluation shall not be required if the visible emissions condition is corrected within twenty four (24) hours from the time the visible emission condition was identified and the unit is operated at normal operating conditions.
[45CSR13, Permit No. R13-2068 (Condition 9.2.1.); 45CSR§30-5.1.c.]

8.2.2. For the purposes of demonstrating compliance with maximum annual natural gas combustion rates set forth in 8.1.4.b, the permittee shall monitor and record the rolling twelve month total of natural gas combusted by the RTO.
[45CSR13, Permit No. R13-2068 (Condition 9.2.2.)]

8.2.3. For the purposes of demonstrating compliance with maximum solvent combustion rates set forth in 8.1.4.c, the permittee shall monitor and record the amount of solvent, in pounds, sent to the RTO from Fluid Beds 473, 1855, 2181, 3287, 3620, 3426, 3704, 3705, and 7560 (Emission Unit IDs 534, 538, 572, 574 – 578, and 580); Coating Pans 7552, 8421, ~~and~~ 23581, and 30426 (Emission Unit IDs 244, 245, ~~and~~ 246, and 247); Oven Dryers 19, 18 and 0021 (Emission Unit IDs 260, 261, and 264); and the coating line. The monthly and rolling twelve month total of solvent sent to RTO from Fluid Beds 473, 1855, 2181, 3287, 3620, 3426, 3704, 3705, and 7560 (Emission Unit IDs 534, 538, 572, 574 – 578, and 580); Coating Pans 7552, 8421, ~~and~~ 23581, and 30426 (Emission Unit IDs 244, 245, ~~and~~ 246, and 247); Oven Dryers 19, 18 and 0021 (Emission Unit IDs 260, 261, and 264); and the coating line shall be summed and recorded.
[45CSR13, Permit No. R13-2068 (Condition 9.2.3.)]

8.2.4. For the purposes of demonstrating compliance with the requirements set forth in 8.1.5, the permittee shall continuously monitor and record the RTO Combustion Chamber Temperature (as measured at the outlet of the combustion chamber) and the RTO Exhaust Flow Rate (as measured at the RTO outlet or based on fan instrumentation). Monitoring shall be effected by use of the following:

a. RTO Combustion Chamber Temperature: Thermocouples, RTDs, or alternative methods/ instrumentation as appropriate for gas stream;

b. RTO Exhaust Flow Rate: Differential pressure flow device, fan motor ammeter, or other type of device that measures gas velocity or flow rate.

[45CSR13, Permit No. R13-2068 (Condition 9.2.4.)]

8.2.5. The permittee shall install, maintain, and operate all monitoring equipment required by this section in accordance with all manufacturer's recommendations.
[45CSR13, Permit No. R13-2068 (Condition 9.2.5.)]

8.3. Testing Requirements

8.3.1. Within 60 days after achieving the maximum solvent combustion rate at which the RTO(s) are permitted to operate at, but not later than 180 days after initial startup, and at such times thereafter as may be required by the Secretary, the permittee shall conduct, or have conducted, a performance test on the RTO(s) to determine compliance with the CO and NO_x emission limits listed in 8.1.3. The permittee shall use EPA approved test methods unless granted approval in writing by the Director to use an alternative test method in a protocol submitted pursuant to 3.3.1.c.
[45CSR13, Permit No. R13-2068 (Condition 9.3.1.)]

8.3.2. Within 60 days after achieving the maximum solvent combustion rate at which the RTO is permitted to operate at, but not later than 180 days after the initial use of the RTO to control of VOCs during a Fluid Bed production run, and at such times thereafter as may be required by the Secretary, the permittee shall conduct, or have conducted, a performance test on the RTO to determine compliance with the minimum VOC destruction efficiency as given under 8.1.5. The permittee shall use EPA approved test methods unless granted approval in writing by the Director to use an alternative test method in a protocol submitted pursuant to 3.3.1.c.
[45CSR13, Permit No. R13-2068 (Condition 9.3.2.)]

8.4. Recordkeeping Requirements

8.4.1. The permittee shall record the date, duration, and any corrective action taken in the occurrence of an excursion of RTO operating parameters outside the ranges as established under 8.1.6. If corrective action was not successful in a timely fashion, the permittee shall record the amount of solvent sent to the RTO while the excursion occurred.
[45CSR13, Permit No. R13-2068 (Condition 9.4.1.)]

8.4.2. The permittee shall meet all record-keeping requirements as applicable to the RTO and given under section 3.4 of this permit.
[45CSR13, Permit No. R13-2068 (Condition 9.4.2.)]

8.5. Reporting Requirements

8.5.1. See Section 3.5 Facility - Wide Reporting Requirements

8.6. Compliance Plan

8.6.1. None

9.0 Emergency Generators [emission point ID(s): 10007530, 1053, & 10008594]

9.1. Limitations and Standards

9.1.1. Only pipeline quality natural gas shall be burned in Emergency Generators 10007530 and 10008594. **[45CSR13, General Permit Registration G60-C035]**

9.1.2. Maximum emissions to the atmosphere for Emergency Generators 10007530 and 10008594 shall not exceed the values given in the following table:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
Emergency Generator 10007530		
CO	1.43	0.36
NO_x	0.71	0.18
VOCs	0.36	0.09
Emergency Generator 10008594		
CO	1.43	0.36
NO_x	0.71	0.18
VOCs	0.36	0.09

[45CSR13, General Permit Registration G60-C035]

9.1.3. Maximum emissions to the atmosphere for Emergency Generator 1053 shall not exceed the values given in the following table:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
CO	5.79	1.45
NO_x	10.58	2.65
VOCs	10.58	2.65

[45CSR13, General Permit Registration G60-C035]

9.1.4. Emergency Generator 1053 shall not exceed a fuel oil sulfur content of 0.0015%.
Compliance with this limit will ensure compliance with the less stringent limit of 0.05% in General Permit Registration G60-C035.
[45CSR16; 45CSR13, General Permit Registration G60-C035, 40CFR§60.4207(b)]

9.1.5. For Emergency Generators 10007530 and 10008594, the following conditions from G60-C apply: 1.0, 2.0, 3.0, 4.0, 5.0, 8.2.5, 8.2.9, 8.3.4, 8.3.8, 8.4.1, 8.4.2, 8.4.4, and 8.4.5.

For Emergency Generator 1053, the following conditions from G60-C apply: 1.0, 2.0, 3.0, 4.0, 5.0, 7.1.1, 7.1.2, 7.1.3, 7.1.4, 7.1.6, 7.1.9, 7.1.10, 7.1.11, 7.1.14, 7.1.17, 7.1.18, 7.1.19, 7.1.20, 7.1.21, 7.1.23, and 7.1.25.

9.2. Monitoring Requirements

9.2.1. Monitoring requirements shall be based on requirements set forth in Class II General Permit G60-C (Attachment A).

9.3. Testing Requirements

9.3.1. Testing requirements shall be based on requirements set forth in Class II General Permit G60-C (Attachment A).

For Emergency Generators 10007530 and 10008594, the following conditions from G60-C apply: 8.4.6 and 8.5.1.

For Emergency Generator 1053, the following conditions from G60-C apply: 7.2.1, 7.2.2, 7.2.3, and 7.2.4.

9.4. Recordkeeping Requirements

9.4.1. Recordkeeping requirements shall be based on requirements set forth in Class II General Permit G60-C (Attachment A).

For Emergency Generators 10007530 and 10008594, the following conditions from G60-C apply: 8.6.1.a and 8.6.1.b.

For Emergency Generator 1053, the following conditions from G60-C apply: 7.3.1, 7.3.2, 7.3.3, 7.3.4, 7.3.6, 7.3.7, and 7.3.8.

9.5. Reporting Requirements

9.5.1. Reporting requirements shall be based on requirements set forth in Class II General Permit G60-C (Attachment A).

For Emergency Generators 10007530 and 10008594, the following condition from G60-C applies: 8.6.1.c

For Emergency Generator 1053, the following condition from G60-C applies: 7.3.5.

9.6. Compliance Plan

9.6.1. None

10.0 Oven Dryers [emission point ID(s): 260, 261, 264]

10.1. Limitations and Standards

10.1.1. Maximum hourly volatile organic compound (VOC) emissions to the atmosphere from Oven Dryers 19, 18, 0021 (Emission Unit IDs 260, 261 and 264) shall not exceed:

a. 529.2 lb/hr for each Oven Dryer if not venting exhaust to the RTO for the purpose of controlling VOC emissions.

b. 10.59 lb/hr (as emitted from the RTO) for each Oven Dryer~~s~~ if venting exhaust to the RTO for the purpose of controlling VOC emissions.

[45CSR13, Permit No. R13-2068 (Condition 10.1.1.)]

10.1.2. The maximum total combined annual volatile organic compound (VOC) emissions to the atmosphere from Oven Dryers 19, 18, 0021 (Emission Unit IDs 260, 261, and 264) shall not exceed 5.0 tons/year.
[45CSR13, Permit No. R13-2068 (Condition 10.1.2.)]

10.1.3. Oven Dryers 260, 261, and 264 shall operate according to the following requirements:

a. Each Oven Dryer~~s~~ shall have the capability of directing exhaust to RTO for control of VOCs or emitting directly to atmosphere; and

b. No HAP-containing solvents shall be processed in any Oven Dryer.

[45CSR13, Permit No. R13-2068 (Condition 10.1.3.)]

10.2. Monitoring Requirements

10.2.1. For the purposes of demonstrating compliance with maximum annual VOC emission limit set forth in 10.1.2., the permittee shall:

a. Monitor and record the aggregate monthly and rolling twelve month total amount of VOCs in pounds used in Oven Dryers 19, 18, 0021 (Emission Unit IDs 260, 261, and 264) when each Oven Dryer is and is not venting exhaust to the RTO for the purpose of controlling VOCs; and

b. Calculate and record the monthly and rolling twelve month aggregate VOC emissions from Oven Dryers 19, 18, 0021 (Emission Unit IDs 260, 261, and 264) by summing the following:

i. The total amount of VOCs in pounds used in Oven Dryers 19, 18, 0021 (Emission Unit IDs 260, 261, and 264) when not venting exhaust to the RTO for the purpose of controlling VOCs; and

ii. The total amount of VOCs used in Oven Dryers 19, 18, 0021 (Emission Unit IDs 260, 261, and 264) when venting exhaust to the RTO for the purpose of controlling VOCs. Based on compliance with Requirement 8.1.7 of this permit, the permittee may apply a VOC destruction efficiency of 98% to the amount of VOCs used in Oven Dryers 19, 18, 0021 (Emission Unit IDs 260, 261, and 264) when venting exhaust to the RTO for the purpose of controlling VOCs.

[45CSR13, Permit No. R13-2068 (Condition 10.2.1.)]

10.3. Testing Requirements

10.3.1. See Section 3.3.1.

10.4. Recordkeeping Requirements

10.4.1. The permittee shall maintain a record of all solvents used in Oven Dryers 19, 18, 0021 (Emission Unit IDs 260, 261, and 264)and keep a copy of the associated MSDS to verify that the solvents did not contain any constituent HAPs.
[45CSR13, Permit No. R13-2068 (Condition 10.4.1.)]

10.5. Reporting Requirements

10.5.1. See Section 3.5 Facility - Wide Reporting Requirements

10.6. Compliance Plan

10.6.1. None

11.0 Absorber [emission point ID(s): 10008538]

11.1. Limitations and Standards

11.1.1. The absorber shall, at all times when Fluid Beds 2811 and 4001 (Emission Unit IDs 573 and 579) are venting exhaust to the absorber for the purpose of controlling VOCs, achieve a minimum VOC destruction efficiency of 95%.
[45CSR13, Permit No. R13-2068 (Condition 11.1.1.)]

11.1.2. The permittee shall, within 60 days of the date of the performance test required under 11.3.1, determine the optimal operating ranges of the absorber parameters listed under 11.1.2(a) so as to monitor the effective operation of the Absorber. The determination of operating ranges shall be based on data obtained from performance testing, manufacturing recommendations, or operational experience. The permittee shall maintain on-site, and update as necessary, a certified report listing the operating ranges. Any changes to the operating ranges shall be accompanied by the date of the change and reason for the change.

a. Minimum Water Flow

[45CSR13, Permit No. R13-2068 (Condition 11.1.2.)]

11.1.3. The permittee shall maintain and operate low water flow rate sensors with control panel alarms for the absorber to ensure adequate water flow rate to the absorber in order to ensure proper operation of the absorber.
[45CSR13, Permit No. R13-2068 (Condition 11.1.3.)]

11.1.4. The permittee shall, to the extent reasonably possible, operate the absorber within the operating ranges as established under 11.1.2. at all times Fluid Beds 2811 and 4001 (Emission Unit IDs 573 and 579) are venting exhaust to the absorber for the purpose of controlling VOCs. If an excursion from the operating ranges occurs, the permittee shall attempt to immediately correct the problem and follow the record-keeping procedures under 11.4.1. If the permittee is unable to correct the excursion in a timely fashion, for the purposes of emissions calculations under 5.2.5.c, a VOC destruction efficiency of 95% may not be assumed for the duration of the venting of VOC from Fluid Beds 2811 and 4001 (Emission Unit IDs 573 and 579).
[45CSR13, Permit No. R13-2068 (Condition 11.1.4.)]

11.1.5. The permittee shall conduct, at a minimum, an annual inspection of the absorber to ensure proper operation of the control device. The inspection shall include the spray nozzles, fans, dampers, absorber shell, packing, and ductwork.
[45CSR13, Permit No. R13-2068 (Condition 11.1.5.)]

11.2. Monitoring Requirements

11.2.1. For the purposes of demonstrating compliance with the requirements set forth in 11.1.2., the permittee shall continuously monitor and record the absorber water flow rate
[45CSR13, Permit No. R13-2068 (Condition 11.2.1.)]

11.2.2. The permittee shall install, maintain, and operate all monitoring equipment required by this section in accordance with all manufacturer's recommendations.
[45CSR13, Permit No. R13-2068 (Condition 11.2.2.)]

11.3. Testing Requirements

11.3.1. Within 60 days after achieving the maximum solvent exhaust rate at which the absorber is permitted to operate at, but not later than 180 days after the initial use of the absorber to control of VOCs during a Fluid Bed production run, and at such times thereafter as may be required by the Secretary, the permittee shall conduct, or have conducted, a performance test on the absorber to determine compliance with the minimum VOC removal efficiency as given under 11.1.4. The permittee shall use EPA approved test methods unless granted approval in writing by the Director to use an alternative test method in a protocol submitted pursuant to 3.3.1.c.
[45CSR13, Permit No. R13-2068 (Condition 11.3.1.)]

11.4. Recordkeeping Requirements

11.4.1. The permittee shall record the date, duration, and any corrective action taken in the occurrence of an excursion of absorber operating parameters outside the ranges as established under 11.1.2. If corrective action was not successful in a timely fashion, the permittee shall record the amount of solvent sent to the absorber while the excursion occurred.
[45CSR13, Permit No. R13-2068 (Condition 11.4.1.)]

11.4.2. The permittee shall maintain records of Absorber low water flow rate alarms on site for five (5) years from the record creation date. The records shall state the date and time of each Absorber low water flow rate alarm and any corrective action taken.
[45CSR13, Permit No. R13-2068 (Condition 11.4.2.)]

11.4.3. The permittee shall meet all record-keeping requirements as applicable to the Absorber and given under section 3.4 of this permit.
[45CSR13, Permit No. R13-2068 (Condition 11.4.3.)]

11.5. Reporting Requirements

11.5.1. See Section 3.5 Facility - Wide Reporting Requirements

11.6. Compliance Plan

11.6.1. None

12.0. Coating Line [emission point ID(s): 1911, 10008085]

12.1. Limitations and Standards

12.1.1. Maximum hourly VOC/HAP emissions to the atmosphere from the Coating Line shall not exceed:

a. 7.0 lb/hr for the Coating Line if not venting exhaust to the RTO for the purpose of controlling VOC/HAP emissions; and

b. 0.14 lb/hr (as emitted from the RTO) for the Coating Line if venting exhaust to the RTO for the purpose of controlling VOC/HAP emissions.

[45CSR13, Permit No. R13-2068 (Condition 12.1.1.)]

12.1.2. The maximum annual VOC/HAP emissions to the atmosphere from Coating Line shall not exceed 3.0 tons/year.

[45CSR13, Permit No. R13-2068 (Condition 12.1.2.)]

12.1.3. The Coating Line shall have the capability of directing exhaust to RTO for control of VOC/HAPs or emitting directly to atmosphere.

[45CSR13, Permit No. R13-2068 (Condition 12.1.3.)]

12.2. Monitoring Requirements

12.2.1. For the purposes of demonstrating compliance with maximum annual VOC/HAP emission limit set forth in 10.1.2., the permittee shall:

a. Monitor and record the aggregate monthly and rolling twelve month total amount of VOC/HAPs in pounds used in the Coating Line when it is and is not venting exhaust to the RTO for the purpose of controlling VOC/HAPs; and

b. Calculate and record the monthly and rolling twelve month aggregate VOC/HAPs emissions from the Coating Line by summing the following:

(1) The total amount of VOC/HAPs in pounds used in the Coating Line when not venting exhaust to the RTO for the purpose of controlling VOCs; and

(2) The total amount of VOC/HAPs used in the Coating Line when venting exhaust to the RTO for the purpose of controlling VOCs. Based on compliance with Requirement 8.1.7 of this permit, the permittee may apply a VOC/HAPs destruction efficiency of 98% to the amount of VOC/HAPs used in the Coating Line when venting exhaust to the RTO for the purpose of controlling VOC/HAPs.

[45CSR13, Permit No. R13-2068 (Condition 12.2.1.)]

12.3. Testing Requirements

12.3.1. See Section 3.3 Facility - Wide Testing Requirements

12.4. Recordkeeping Requirements

12.4.1. The permittee shall maintain a record of all solvents used in the Coating Line and keep a copy of the associated MSDS/SDS.
[45CSR13, Permit No. R13-2068 (Condition 12.4.1.)]

12.5. Reporting Requirements

12.5.1. See Section 3.5 Facility - Wide Reporting Requirements

12.6. Compliance Plan

12.6.1. None

Attachment A: Class II General Permit G60-C