West Virginia Department of Environmental Protection
Division of Air Quality

Earl Ray Tomblin
Governor

Randy C. Huffman
Cabinet Secretary

Permit to Operate

Pursuant to
Title V
of the Clean Air Act

Issued to:
E.I. duPont de Nemours and Company
Washington Works
Engineering Polymers - East (Part 6 of 14)
R30-10700001-2015

William F. Durham
Director

Issued: April 22, 2015 • Effective: May 6, 2015
Expiration: April 22, 2020 • Renewal Application Due: October 22, 2019

Permit Number: **R30-10700001-2015**
Permittee: **E. I. du Pont de Nemours and Company**
Facility Name: **Washington Works**
Business Unit: **Engineering Polymers – East (Part 6 of 14)**
Permittee Mailing Address: **P.O. Box 1217, Washington, WV 26181-1217**

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:	Washington, Wood County, West Virginia
Facility Mailing Address:	P. O. Box 1217, Washington, WV 26181-1217
Telephone Number:	(304) 863-4240
Type of Business Entity:	Corporation
Facility Description:	Chemical and Plastic Resins Manufacturing
SIC Codes:	2821
UTM Coordinates:	442.368 Easting • 4,346.679 Northing • Zone 17

Permit Writer: Robert Mullins

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 Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
FP1	147-002E	Finished Product Silos	1980	12000 pph	147-002C
FP2	147-002E	Finished Product Silos	1980	12000 pph	147-002C
FP3	147-002E	Finished Product Silos	1980	12000 pph	147-002C
FP4	147-002E	Finished Product Silos	1980	12000 pph	147-002C
FP5	147-002E	Finished Product Silos	1980	12000 pph	147-002C
TFN1	147-001E	Raw Material Storage Silo	1980	184000 lbs	147-001C
TFN2	147-001E	Raw Material Storage Silo	1980	184000 lbs	147-001C
TFN3	147-001E	Raw Material Storage Silo	1980	184000 lbs	147-001C
TFN4	147-001E	Raw Material Storage Silo	1980	184000 lbs	147-001C
TFN5	147-001E	Raw Material Storage Silo	1980	184000 lbs	147-001C
143-001S	143-001E	Raw Material Storage Silo	1980	48000 lbs	143-001C
143-002S	143-001E	Raw Material Storage Silo	1980	48000 lbs	143-001C
143-003S	143-003E	Raw Material Storage Silo	1980	48000 lbs	143-003C
143-004S	143-004E	Raw Material Storage Silo	1980	48000 lbs	143-004C
143-005S	143-005E	Raw Material Storage Silo	1980	48000 lbs	143-005C
143-006S	143-005E	Raw Material Storage Silo	1980	48000 lbs	143-005C
143-007S	143-009E	Raw Material Storage Silo	1980	48000 lbs	143-009C
143-008S	143-007E	Raw Material Storage Silo	1980	48000 lbs	143-007C
143-009S	143-008E	Raw Material Storage Silo	1980	48000 lbs	143-008C
143-010S	143-006E	Raw Material Storage Silo	1980	48000 lbs	143-006C
143-011S	143-005E	Raw Material Storage Silo	1980	48000 lbs	143-005C
143-012S	143-005E	Raw Material Storage Silo	1980	48000 lbs	143-005C
147-003S	147-003E	Blenders #1, 2 Load Vent	1980	40000 lbs	n/a
147-005S	147-005E	Bulk Unloading	1980	20000 lbs	n/a
147-204S	147-204E	FPS 6/Silo Transfer System	1988	50,000 pph	147-204C Baghouse
280-001S	280-001E	Feed Silos 1-4 Bulk Flake Transfer	1967	50,000 pph	280-026C Baghouse
280-002S	280-002E	CP6, CP7 & CP8 Main Flake Hopper	1967	50,000 pph	280-027C Baghouse
280-002S	280-170E	CP9 Main Flake CPS Bin Vent	1999	50,000 pph	280-170C Bag Filter
280-007S	280-007E	100 Area Silo 6 Conveying Bin Vent	1988	50,000 pph	280-007C Baghouse
280-060S	280-060E	100 Area tote bin blending ventilation system	1988	20,000 pph	None
280-062S	280-062E	CP9 Cutter	1999	50,000 pph	None
280-062S	280-171E	CP9 Cutter	1999	10,000 pph	None
280-062S	280-176E	CP9 Cooler/Screener Pull Blower	1999	10,000 pph	None

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
280-062S	280-204E	CP9 Rework Transfer System	1999	10,000 pph	None
280-072S	280-063E	CP7 Cutter	1985	7,250 pph	None
280-072S	280-072E	CP7 Cutter	1985	50,000 pph	None
280-072S	280-109E	CP7 Cooler Screener	1985	7,250 pph	None
280-072S	280-138E	CP7 Cutter	1985	7,250 pph	None
280-073S	280-073E	CP8 Whitlock Hopper	1985	7,250 pph	None
280-112S	280-112E	CP7 B1 Hopper	1985	7,250 pph	None
280-131S	280-131E	CP8 Cutter	1985	7,250 pph	None
280-131S	280-133E	CP8 Cutter	1985	7,250 pph	None
280-131S	280-137E	CP8 Cooler Screener	1985	7,250 pph	None
280-174S	280-174E	CP9 Additive Feed Station System	2003	10,000 pph	None
280-175S	280-175E	CP9 Glass Hopper	2003	10,000 pph	280-175C Bag Filter
280-180S	280-180E	CP7 Additive Feed Station System	1999	7,250 pph	None
280-181S	280-181E	CP8 Additive Feed Station System	1985	7,250 pph	None
280-182S	280-182E	CP7 Glass Hopper	1985	3,700 pph	280-182C Baghouse
280-183S	280-183E	CP8 Glass Hopper	1987	20,000 pph	280-183C Baghouse
280-186S	280-186E	CP6 Additive Drum Station	1987	10,500 pph	None
280-190S	280-190E	Silos#5-8 Bulk Conveyor	1989	50,000 pph	None
280-191S	280-138E	CP8 Cutter	1985	20,000 pph	None
280-194S	280-194E	Collector 34	1985	50,000 pph	None
280-197S	280-138E	CP7 Main Flake Hopper	1985	7,250 pph	None
280-198S	280-138E	CP8 Main Flake Hopper	1985	7,250 pph	None
280-201S	280-201E	CP6 Feed Hoppers	2003	10,500 pph	280-201C Baghouse
280-202S	280-202E	CP6 Vacuum Loaders	2003	30,000 pph	None
280-205S	280-205E	CP8 Auxiliary Feed Hopper	1985	7,250 pph	None
280-CP6	280-074E	CP6 B1 Hopper	2005	10,500 pph	None
280-CP6	280-125AE	CP6 Extruder	2003	10,500 pph	None
280-CP6	280-160E	CP6 Extruder	2003	10,500 pph	None
280-CP6	280-195E	CP6 Extruder	2005	10,500 pph	None
280-CP6	280-203E	CP6 Cooler/Screener Pull Blower	2003	10,500 pph	None

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
280-CP7	280-140E	CP7 Extruder Die Exhaust	1985	7,250 pph	None
280-CP7	280-150E	CP7 Vacuum System	1985	7,250 pph	None
280-CP8	280-070E	CP8 Extruder	1985	7,250 pph	None
280-CP8	280-136E	CP8 Extruder	1985	7,250 pph	None
280-CP8	280-138E	CP8 Extruder	1985	7,250 pph	None
280-CP9	280-172E	CP9 Extruder	2003	10,000 pph	280-172C HEAF
280-CP9	280-173E	CP9 Extruder	2003	10,000 pph	None
280-CP9	280-187E	CP9 Extruder	1999	10,000 pph	None

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
R13-2244I	April 27, 2010
R13-2617I	December 8, 2014

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.** This stationary source, as defined in 40 C.F.R. § 68.3, is subject to Part 68. This stationary source shall submit a risk management plan (RMP) by the date specified in 40 C.F.R. Part 68.10. This stationary source 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. **45CSR27.** The permitted sources identified in Appendix B and recognized as being subject to 45CSR27 shall comply with all applicable requirements of 45CSR27 – "To Prevent and Control the Emissions of Toxic Air Pollutants" provided, however, that compliance with any more stringent requirements under the affected 45CSR13 permit identified in Appendix B are also demonstrated. The applicable requirements set forth by 45CSR27 shall include, but not be limited to, the following: **[45CSR13, R13-2617, 4.1.3; 45CSR13, R13-2244, 4.1.9]**

3.1.9.1. The permittee shall employ the best available technology (BAT) for the purpose of reducing toxic air pollutants (TAP) associated with the applicable sources and emission points identified in Appendix B. **[45CSR13, R13-2617, 4.1.3.1; 45CSR§27-3.1 (State-Enforceable only)]**

3.1.9.2. The permittee shall employ BAT for the purpose of preventing and controlling fugitive emissions of TAP to the atmosphere as a result of routing leakage from those sources and their associated equipment identified in Appendix B as operating in TAP service. **[45CSR13, R13-2617, 4.1.3.2; 45CSR§27-4.1 (State-Enforceable only]**

Note: For the Engineering Polymers - East Area, the affected permit is R13-2244 and the Attachment A listing only for those sources in the Engineering Polymers - East Area is provided in Appendix B.

3.1.10. **45CSR27.** In the event a source and associated emission point identified in Appendix B is subject to the MACT standards of 40 C.F.R. 63, then compliance with the applicable MACT requirements identified in the affected 45CSR13 permit shall demonstrate compliance with the BAT requirements set forth in 3.1.9.

Note: For the Engineering Polymers - East Area, the affected permit is R13-2244 and the Attachment A listing only for those sources in the Engineering Polymers - East Area is provided in Appendix B.

[45CSR13, R13-2617, 4.1.4; 45CSR§27-3.1 (State-Enforceable only)]

3.2. Monitoring Requirements

3.2.1. **45CSR27.** The permittee shall implement and maintain a LDAR program for the applicable sources and emission points identified in Appendix B in order to reduce the emissions of TAP in accordance with the requirements of 40 C.F.R. 63, Subpart H – "National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks." Compliance with 40 C.F.R. 63, Subpart H shall be considered demonstration of compliance with the provisions of 45CSR§27-4 – "Fugitive Emissions of Toxic Air Pollutants."

Note: The Attachment A listing only for those sources in the Engineering Polymers - East Area is provided in Appendix B.

[45CSR13, R13-2617, 4.2.2; 45CSR§27-4.1 (State-Enforceable only]

3.2.2. **45CSR27.** In the event a source and associated emission point identified in Appendix B are subject to the MACT standards of 40 C.F.R. 63, then compliance with any applicable LDAR program set forth by the MACT and identified in the affected 45CSR13 permit shall demonstrate compliance with the monitoring requirements set forth in this permit.

Note: For the Engineering Polymers - East Area, the affected permit is R13-2244 and the Attachment A listing only for those sources in the Engineering Polymers - East Area is provided in Appendix B.

[45CSR13, R13-2617, 4.2.3; 45CSR§27-4.1 (State-Enforceable only)]

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]

3.3.2. **45CSR27.** In the event a source and associated emission point identified in Appendix B are subject to the MACT standards of 40 C.F.R. 63, then compliance with the applicable LDAR testing requirements set forth by the MACT and identified in the affected 45CSR13 permit shall demonstrate compliance with the LDAR testing requirements set forth in this permit.

Note: For the Engineering Polymers - East Area, the affected permit is R13-2244 and the Attachment A listing only for those sources in the Engineering Polymers - East Area is provided in Appendix B.

[45CSR13, R13-2617, 4.3.2; 45CSR§27-4.1 (State-Enforceable only)]

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.]

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. **40 C.F.R. 63, Subpart GGGGG.** The permittee's site remediation activities are not subject to the requirements of 40 C.F.R. 63 Subpart GGGGG, except for the recordkeeping requirements in 3.4.4.b, provided that the permittee meets the requirements specified in paragraphs 3.4.4.a. through 3.4.4.b, and 40 C.F.R. §63.7881(c)(3).

a. The permittee determines that the total quantity of the HAP listed in Table 1 to 40 C.F.R. 63 Subpart GGGGG that is contained in the remediation material excavated, extracted, pumped, or otherwise removed during all of the site remediations conducted at your facility is less than 1 megagram (Mg) annually. This exemption applies the 1 Mg limit on a facility-wide, annual basis, and there is no restriction to the number of site remediations that can be conducted during this period.

b. The permittee must prepare and maintain at the facility written documentation to support the determination that the total HAP quantity in the remediation materials for the year is less than 1 Mg. The documentation must include a description of the methodology and data used for determining the total HAP content of the remediation material.

[45CSR34; 40 C.F.R. §63.7881(c)]

3.4.5. **45CSR27.** The permittee shall maintain records of the results of all monitoring and inspections, emission control measures applied, and the nature, timing, and results of repair efforts conducted in accordance to 45CSR§27-10 and set forth in the affected 45CSR13 permits as identified in Appendix B.

Note: For the Engineering Polymers - East Area, the affected permit is R13-2244 and the Attachment A listing only for those sources in the Engineering Polymer - East Area is provided in Appendix B.

[45CSR13, R13-2617, 4.4.5]

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

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

If to the US EPA:

Associate Director
Office of Air Enforcement and Compliance Assistance (3AP20)
U. S. Environmental Protection Agency
Region III
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. None.

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. 40 C.F.R. 60, Subpart K - "Standards of Performance For Storage Vessels For Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978." There are no storage tanks in the EPC-East facility subject to this requirement.

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." There are no storage tanks in the EPC-East facility subject to this requirement.

c. 40 C.F.R. 60, Subpart Kb - "Standards 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 storage tanks in the EPC-East facility subject to this requirement.

d. 40 C.F.R. 60, Subpart VV - "Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry." The EPC-East facility does not produce as intermediates or final products any of the materials listed in 40 C.F.R. §60.489.

e. 40 C.F.R. 60, Subpart DDD - "Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry." The EPC-East facility does not manufacture polypropylene, polyethylene, polystyrene, or poly(ethylene terephthalate) for which this rule applies.

f. 40 C.F.R. 60, Subpart RRR - "Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes. The EPC-East facility does not produce any of the chemicals listed in 40 C.F.R. §60.707 as a product, co-product, by-product, or intermediate.

g. 40 C.F.R. 61, Subpart V - "National Emission Standards for Equipment Leaks (Fugitive Emissions Sources)." Applies to sources in VHAP service as defined in 40 C.F.R. §61.241. VHAP service involves chemicals that are not used in a manner that qualifies them under the rule in the EPC-East facility.

h. 40 C.F.R. 63, Subpart H - "National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks." 40 C.F.R. 63 Subparts F, G, and H do not apply to the EPC-East manufacturing process units, as they do not meet the criteria in 40 C.F.R. §§63.100(b)(1), (b)(2), and (b)(3).

i. 40 C.F.R. 63, Subpart JJJ - "National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins. The EPC-East facility does not produce the materials listed in 40 C.F.R. §63.1310.

j. 40 C.F.R. 63, Subpart WWWW "National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Productions." The EPC-East facility does not engage in reinforced plastics composites production as defined in 40 C.F.R. §63.5785 and does not manufacture composite material as defined in 40 C.F.R. §63.5935.

k. 40 C.F.R. 63, Subpart PPPP – "National Emission Standards for Hazardous Air Pollutants: Surface Coating of Plastic Parts and Products." The EPC-East facility does not produce an intermediate or final product that meets the definition of "surface coating" plastic part.

l. 40 C.F.R. 63, Subpart DDDDD – "National Emission Standards for Hazardous Air Pollutants: Industrial/Commercial/Institutional Boilers and Process Heaters." The EPC-East facility does not own or operate an industrial, commercial, or institutional boiler or process heater as defined in 40 C.F.R. §63.7575.

m. 40 C.F.R. 63, Subpart HHHHH – "National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing." The EPC-East facility does not produce, blend, or manufacture coatings as part of the manufacturing process.

n. 40 C.F.R. 82, Subpart B - "Protection of Stratospheric Ozone." Requires recycling of Chlorofluorocarbons (CFCs) from motor vehicles and that technicians servicing equipment need to be licensed. The EPC-East facility does not conduct motor vehicle maintenance involving CFCs on site.

o. 40 C.F.R. 82, Subpart C – "Protection of Stratospheric Ozone." Bans non-essential products containing Class I substances and bans non-essential products containing or manufactured with Class II substances. The EPC-East facility does not use, manufacture, nor distribute these materials.

p. 45CSR2 – "To Prevent and Control Particulate Air Pollution from Combustion of Fuel in Indirect Heat Exchangers." The EPC-East facility does not contain any fuel burning units.

q. 45CSR10 – "To Prevent and Control Air Pollution from the Emission of Sulfur Oxides." The EPC-East facility does not have emission sources of sulfur oxides subject to this rule.

r. 45CSR16 – "Standards of Performance for New Stationary Sources Pursuant to 40 C.F.R. 60." The EPC-East facility is not subject to any requirements under 40 C.F.R. 60.

s. 45CSR17 – "To Prevent and Control Particulate Matter Air Pollution from Materials Handling, Preparation, Storage and Other Sources of Fugitive Particulate Matter." Per 45CSR§17-6.1, EPC-East is not subject to 45CSR17 because it is subject to the fugitive particulate matter emission requirements of 45CSR7.

t. 45CSR§21-40 – "Other Facilities that Emit Volatile Organic Compound (VOC)." None of the emission sources in EPC-East have maximum theoretical emissions of 6 pounds per hour or more and are not subject to the requirements of this section.

4.0 Source-Specific Requirements [R13-2244I and 45CSR7 Requirements]

4.1. Limitations and Standards

4.1.1. Emissions to the atmosphere from the EPC-East facility shall not exceed the pounds per hour and tons per year limitations set forth in the following table.

Table 4.1.1.

Emission Point ID No.	Source Description	Control Device Name and ID No.	Pollutant	Emission Limit	
				PPH	TPY
143-001E	Raw Material Storage Silo	143-001C	Total Particulate Matter (TSP)	0.01	0.01
143-001E	Raw Material Storage Silo	143-001C	Particulate Matter (PM10)	0.01	0.01
143-003E	Raw Material Storage Silo	143-003C	Total Particulate Matter (TSP)	0.01	0.01
143-003E	Raw Material Storage Silo	143-003C	Particulate Matter (PM10)	0.01	0.01
143-004E	Raw Material Storage Silo	143-004C	Total Particulate Matter (TSP)	0.01	0.01
143-004E	Raw Material Storage Silo	143-004C	Particulate Matter (PM10)	0.01	0.01
143-005E	Raw Material Storage Silo	143-005C	Total Particulate Matter (TSP)	0.01	0.01
143-005E	Raw Material Storage Silo	143-005C	Particulate Matter (PM10)	0.01	0.01
143-006E	Raw Material Storage Silo	143-006C	Total Particulate Matter (TSP)	0.01	0.01
143-006E	Raw Material Storage Silo	143-006C	Particulate Matter (PM10)	0.01	0.01
143-007E	Raw Material Storage Silo	143-007C	Total Particulate Matter (TSP)	0.01	0.01
143-007E	Raw Material Storage Silo	143-007C	Particulate Matter (PM10)	0.01	0.01
143-008E	Raw Material Storage Silo	143-008C	Total Particulate Matter (TSP)	0.01	0.01
143-008E	Raw Material Storage Silo	143-008C	Particulate Matter (PM10)	0.01	0.01
143-009E	Raw Material Storage Silo	143-009C	Total Particulate Matter (TSP)	0.01	0.01
143-009E	Raw Material Storage Silo	143-009C	Particulate Matter (PM10)	0.01	0.01
147-001E	Raw Material Storage Silo	147-001C	Total Particulate Matter (TSP)	0.01	0.02
147-001E	Raw Material Storage Silos	147-001C	Particulate Matter (PM10)	0.01	0.01
147-002E	Finished Product Silos	147-002C	Total Particulate Matter (TSP)	0.01	0.02
147-002E	Finished Product Silos	147-002C	Particulate Matter (PM10)	0.01	0.02
147-003E	Blenders #1, 2 Load Vent	n/a	Total Particulate Matter (TSP)	0.01	0.01
147-003E	Blenders #1, 2 Load Vent	n/a	Particulate Matter (PM10)	0.01	0.01
147-005E	Bulk Unloading	n/a	Total Particulate Matter (TSP)	0.01	0.01
147-005E	Bulk Unloading	n/a	Particulate Matter (PM10)	0.01	0.01
147-204E	FPS 6/7 Silo Transfer System	147-204C	Particulate Matter (PM_{10})	0.01	0.01
147-204E	FPS 6/7 Silo Transfer System	147-204C	Total Particulate Matter (TSP)	0.04	0.09
280-001E	Feed Silos 1-4 Bulk Flake Transfer	280-026C	Particulate Matter (PM_{10})	0.04	0.07
280-001E	Feed Silos 1-4 Bulk Flake Transfer	280-026C	Total Particulate Matter (TSP)	0.14	0.28
280-002E	CP6, CP7 & CP8 Main Flake Hopper	280-027C	Particulate Matter (PM_{10})	0.03	0.05
280-002E	CP6, CP7, & CP8 Main Flake Hopper	280-027C	Total Particulate Matter (TSP)	0.10	0.22
280-007E	100 Area Silo 6 Conveying Bin Vent	280-007C	Particulate Matter (PM_{10})	0.02	0.01
280-007E	100 Area Silo 6 Conveying Bin Vent	280-007C	Total Particulate Matter (TSP)	0.20	0.04
280-060E	100 Area tote bin blending ventilation system	-	Particulate Matter (PM_{10})	0.01	0.01
280-060E	100 Area tote bin blending ventilation system	-	Total Particulate Matter (TSP)	0.01	0.01
280-072E	CP7 Cutter	-	Particulate Matter (PM_{10})	0.01	0.01
280-072E	CP7 Cutter	-	Total Particulate Matter (TSP)	0.02	0.01
280-112E	CP7 B1 Hopper	-	Particulate Matter (PM_{10})	0.01	0.01
280-112E	CP7 B1 Hopper	-	Total Particulate Matter (TSP)	0.01	0.01
280-125AE	CP6 Extruder	-	Carbon Monoxide (CO)	0.05	0.19
280-125AE	CP6 Extruder	-	Particulate Matter (PM_{10})	0.01	0.01
280-125AE	CP6 Extruder	-	Total Particulate Matter (TSP)	0.01	0.01
280-125AE	CP6 Extruder	-	Volatile Organic Compounds (VOC)	0.12	0.51
280-125AE	CP6 Extruder	-	Total HAPs[1]	0.01	0.01
280-131E	CP8 Cutter	-	Particulate Matter (PM_{10})	0.01	0.01
280-131E	CP8 Cutter	-	Total Particulate Matter (TSP)	0.01	0.01
280-136E	CP8 Extruder	-	Carbon Monoxide (CO)	0.03	0.14

Emission Point ID No.	Source Description	Control Device Name and ID No.	Pollutant	Emission Limit	
				PPH	TPY
280-136E	CP8 Extruder	-	Particulate Matter (PM_{10})	0.97	4.23
280-136E	CP8 Extruder	-	Total Particulate Matter (TSP)	0.97	4.23
280-136E	CP8 Extruder	-	Volatile Organic Compounds (VOC)	0.08	0.35
280-136E	CP8 Extruder	-	Total HAPs[1]	0.01	0.01
280-137E	CP8 Cooler Screener	-	Particulate Matter (PM_{10})	0.01	0.02
280-137E	CP8 Cooler Screener	-	Total Particulate Matter (TSP)	0.01	0.03
280-138E	CP7 Cutter	-	Particulate Matter (PM_{10})	0.13	0.06
280-138E	CP7 Cutter	-	Total Particulate Matter (TSP)	2.09	0.93
280-138E	CP8 Cutter	-	Particulate Matter (PM_{10})	--	--
280-138E	CP8 Cutter	-	Total Particulate Matter (TSP)	--	--
280-138E	CP7 Main Flake Hopper	-	Particulate Matter (PM_{10})	--	--
280-138E	CP7 Main Flake Hopper	-	Total Particulate Matter (TSP)	--	--
280-138E	CP8 Main Flake Hopper	-	Particulate Matter (PM_{10})	--	--
280-138E	CP8 Main Flake Hopper	-	Total Particulate Matter (TSP)	--	--
280-138E	CP8 Extruder	-	Particulate Matter (PM_{10})	--	--
280-138E	CP8 Extruder	-	Total Particulate Matter (TSP)	--	--
280-140E	CP7 Extruder Die Exhaust	-	Carbon Monoxide (CO)	0.03	0.14
280-140E	CP7 Extruder Die Exhaust	-	Particulate Matter (PM_{10})	0.08	0.32
280-140E	CP7 Extruder Die Exhaust	-	Total Particulate Matter (TSP)	0.08	0.32
280-140E	CP7 Extruder Die Exhaust	-	Volatile Organic Compounds (VOC)	0.08	0.35
280-140E	CP7 Extruder Die Exhaust	-	Total HAPs[1]	0.01	0.01
280-150E	CP7 Vacuum System	-	Carbon Monoxide (CO)	0.03	0.14
280-150E	CP7 Vacuum System	-	Particulate Matter (PM_{10})	0.01	0.03
280-150E	CP7 Vacuum System	-	Total Particulate Matter (TSP)	0.01	0.03
280-150E	CP7 Vacuum System	-	Volatile Organic Compounds (VOC)	0.08	0.35
280-150E	CP7 Vacuum System	-	Total HAPs[1]	0.06	0.26
280-160E	CP6 Extruder	-	Carbon Monoxide (CO)	0.05	0.19
280-160E	CP6 Extruder	-	Particulate Matter (PM_{10})	1.40	6.12
280-160E	CP6 Extruder	-	Total Particulate Matter (TSP)	1.40	6.12
280-160E	CP6 Extruder	-	Volatile Organic Compounds (VOC)	0.12	0.51
280-160E	CP6 Extruder	-	Total HAPs[1]	0.01	0.01
280-170E	CP9 Main Flake CPS Bin Vent	280-170C	Particulate Matter (PM_{10})	0.01	0.01
280-170E	CP9 Main Flake CPS Bin Vent	280-170C	Total Particulate Matter (TSP)	0.01	0.01
280-171E	CP9 Cutter	-	Particulate Matter (PM_{10})	0.01	0.02
280-171E	CP9 Cutter	-	Total Particulate Matter (TSP)	0.06	0.27
280-172E	CP9 Extruder	280-172C	Carbon Monoxide (CO)	0.05	0.20
280-172E	CP9 Extruder	280-172C	Particulate Matter (PM_{10})	1.36	2.72
280-172E	CP9 Extruder	280-172C	Total Particulate Matter (TSP)	1.36	2.72
280-172E	CP9 Extruder	280-172C	Volatile Organic Compounds (VOC)	0.16	0.69
280-172E	CP9 Extruder	280-172C	Total HAPs[1]	0.03	0.13
280-173E	CP9 Extruder	-	Carbon Monoxide (CO)	0.05	0.20
280-173E	CP9 Extruder	-	Particulate Matter (PM_{10})	0.05	0.18
280-173E	CP9 Extruder	-	Total Particulate Matter (TSP)	0.05	0.18
280-173E	CP9 Extruder	-	Volatile Organic Compounds (VOC)	0.01	0.01
280-173E	CP9 Extruder	-	Total HAPs[1]	0.05	0.18
280-175E	CP9 Glass Hopper	280-175C	Particulate Matter (PM_{10})	0.04	0.08
280-175E	CP9 Glass Hopper	280-175C	Total Particulate Matter (TSP)	0.04	0.08
280-176E	CP9 Cooler/Screener Pull Blower	-	Particulate Matter (PM_{10})	0.02	0.07
280-176E	CP9 Cooler/Screener Pull Blower	-	Total Particulate Matter (TSP)	0.03	0.14
280-180E	CP7 Additive Feed Station System	-	Particulate Matter (PM_{10})	0.01	0.01
280-180E	CP7 Additive Feed Station System	-	Total Particulate Matter (TSP)	0.02	0.03
280-182E	CP7 Glass Hopper	280-182C	Particulate Matter (PM_{10})	0.01	0.02
280-182E	CP7 Glass Hopper	280-182C	Total Particulate Matter (TSP)	0.04	0.09
280-183E	CP8 Glass Hopper	280-183C	Particulate Matter (PM_{10})	0.01	0.02
280-183E	CP8 Glass Hopper	280-183C	Total Particulate Matter (TSP)	0.04	0.09
280-186E	CP6 Additive Drum Station	-	Particulate Matter (PM_{10})	0.01	0.02

Emission Point ID No.	Source Description	Control Device Name and ID No.	Pollutant	Emission Limit	
				PPH	TPY
280-186E	CP6 Additive Drum Station	-	Total Particulate Matter (TSP)	0.02	0.06
280-187E	CP9 Extruder	-	Particulate Matter (PM_{10})	0.01	0.02
280-187E	CP9 Extruder	-	Total Particulate Matter (TSP)	0.02	0.06
280-195E	CP6 Extruder	-	Particulate Matter (PM_{10})	0.80	3.50
280-195E	CP6 Extruder	-	Total Particulate Matter (TSP)	0.80	3.50
280-201E	CP6 Feed Hoppers	280-201C	Particulate Matter (PM_{10})	0.01	0.02
280-201E	CP6 Feed Hoppers	280-201C	Total Particulate Matter (TSP)	0.02	0.06
280-203E	CP6 Cooler/Screener Pull Blower	-	Particulate Matter (PM_{10})	0.04	0.15
280-203E	CP6 Cooler/Screener Pull Blower	-	Total Particulate Matter (TSP)	0.17	0.74
280-204E	CP9 Rework Transfer System	-	Particulate Matter (PM_{10})	0.01	0.01
280-204E	CP9 Rework Transfer System	-	Total Particulate Matter (TSP)	0.03	0.06
280-205E	CP8 Auxiliary Feed Hopper	-	Particulate Matter (PM_{10})	0.08	0.12
280-205E	CP8 Auxiliary Feed Hopper	-	Total Particulate Matter (TSP)	0.40	0.58

[1] The emissions of total HAPs identified in Table 4.1.1 of this permit may consist of any one, or a combination of the following pollutants: Acetaldehyde (75-07-0), Aniline (62-53-3), Benzene (71-43-2), Epichlorohydrine (24969-10-6), Ethylbenzene (100-41-4), Formaldehyde (50-00-0), Phenol (108-95-2), and Polycyclic Organic Matter (POM), Toluene (100-88-3), and m+p+o-xylene (108383, 106423, 95-47-6).

Compliance with the hourly particulate matter emission limits for the emission points listed above shall also demonstrate compliance with the less stringent hourly particulate emission limits of 45CSR§7-4.1. **[45CSR13, R13-2244, 4.1.1; 45CSR§7-4.1]**

4.1.2. The EPC-East facility, including extruders CP6, CP7, CP8 and CP9, shall not exceed the total maximum hourly production rate of 35,000 pounds per hour and the total maximum annual production rate of 153,300 tons per year.
[45CSR13, R13-2244, 4.1.2]

4.1.3. Equipment for the following emission points shall be maintained and operated to minimize emissions.
Table 4.1.3

Emission Point ID	Description
280-062E	CP9 Cutter
280-063E	CP7 Cutter
280-109E	CP7 Cooler Screener
280-073E	CP8 Whitlock Hopper
280-133E	CP8 Cutter
280-174E	CP9 Additive Feed Station System
280-181E	CP8 Additive Feed Station System
280-190E	Silos #5-8 Bulk Conveyor
280-194E	Collector 34
280-202E	CP6 Vacuum Loaders
280-074E	CP6 B1 Hopper
280-070E	CP8 Extruder
280-074E	CP6 B1 Hopper
280-109E	CP7 Cooler Screener

[45CSR13, R13-2244, 4.1.3]

4.1.4. The permittee shall not 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, except as noted in Section 4.1.5. *(280-060E, 280-072E, 280-112E, 280-125AE, 280-131E, 280-136E, 280-137E, 280-138E, 280-140E, 280-160E, 280-171E, 280-172E, 280-173E, 280-176E, 280-180E, 280-186E, 280-187E, 280-195E, 280-201E, 280-203E, 280-204E, 280-205E)* **[45CSR13, R13-2244, 4.1.4; 45CSR§7-3.1]**

4.1.5. The provisions of Section 4.1.4 shall not apply to smoke and/or particulate matter emitted from any process source operation which is less than forty (40) percent opacity for any period or periods aggregating no more than five (5) minutes in any sixty (60) minute period. *(280-060E, 280-072E, 280-112E, 280-125AE, 280-131E, 280-136E, 280-137E, 280-138E, 280-140E, 280-160E, 280-171E, 280-172E, 280-173E, 280-176E, 280-180E, 280-186E, 280-187E, 280-195E, 280-201E, 280-203E, 280-204E, 280-205E)*
[45CSR13, R13-2244, 4.1.5; 45CSR§7-3.2]

4.1.6. The permittee shall not cause, suffer, allow or permit visible emissions from any storage structure(s) associated with any manufacturing process(es) that pursuant to Section 4.1.7 is required to have a full enclosure and be equipped with a particulate matter control device. *(147-204E, 280-001E, 280-002E, 280-007E, 280-170E, 280-175E, 280-182E, and 280-183E)* **[45CSR13, R13-2244, 4.1.6; 45CSR§7-3.7]**

4.1.7. The permittee shall not cause, suffer, allow or permit any manufacturing process or storage structure generating fugitive particulate matter to operate that is not equipped with a system which may include, but not be limited to, process equipment design, control equipment design or operation and maintenance procedures, to minimize the emissions of fugitive particulate matter. To minimize means such system shall be installed, maintained and operated to ensure the lowest fugitive particulate matter emissions reasonably achievable.
[45CSR13, R13-2244, 4.1.7; 45CSR§7-5.1]

4.1.8. The permittee 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.
[45CSR13, R13-2244, 4.1.8; 45CSR§7-5.2]

4.1.9. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 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.
[45CSR13, R13-2244, 4.1.11; 45CSR§13-5.11]

4.1.10. Due to unavoidable malfunction of equipment, emissions exceeding those 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.]

4.1.11. Emissions sources and the associated emission points affected by this permit and subject to 45CSR27 shall be subject to the standards and requirements set forth in permit R13-2617, and any amendments thereto. **[45CSR13, 45CSR27, R13-2244, 4.1.9]**

4.2. Monitoring Requirements

4.2.1. For the purpose of determining compliance with the opacity limits set forth in Sections 4.1.4, 4.1.5, and 4.1.6, the permittee shall conduct opacity monitoring of all emission points and equipment subject to an opacity limit under 45CSR7 and for which particulate emission limits have been set in Section 4.1.1 of this permit.

Monitoring shall be conducted at least once per month with a maximum of forty-five (45) days between consecutive readings. These checks shall be performed during periods of normal operation of emission sources that vent from the referenced emission points for a sufficient time interval to determine if there is a visible emission. If visible emissions are identified during the visible emission check, or at any other time regardless of operations, the permittee shall conduct a visual emission evaluation per 45CSR7 within three (3) days of the first identification of visible emissions. A 45CSR7A evaluation shall not be required if the visible emission condition is corrected within seventy-two (72) hours after the visible emission and the sources are operating at normal conditions.

[45CSR13, R13-2244, 4.2.1; 45CSR§30-5.1.c]

4.2.2. In addition to maintaining records of control device malfunctions as required by 4.4.3, the permittee shall monitor all emission sources and associated control devices listed in 4.1.1 and 4.1.3 on a monthly basis to ensure that the equipment is operated and maintained in accordance with the manufacturer's recommendations and specifications and in a manner consistent with good operating practices for the purpose of minimizing emissions.
[45CSR§30-5.1.c.]

4.3. Testing Requirements

4.3.1. **Stack testing.** At such reasonable times as the Secretary may designate, the permittee may be required to conduct or have conducted stack tests to determine the particulate matter loading in exhaust gases when the Secretary has reason to believe that an emission limitation is being violated. For cause, the Secretary may request the permittee to install such stack gas monitoring devices as the Secretary deems necessary to determine continuing compliance. The data from such devices shall be readily available for review on-site or at such other reasonable location that the Secretary may specify. At the request of the Secretary, such data shall be made available for inspection or copying and the Secretary may require periodic submission of excess emission reports. Compliance with this streamlined requirement assures compliance with 45CSR§7-8.1 and 45CSR§13-6.1.
[45CSR13, R13-2244, 4.3.1]

4.3.2. **Compliance testing.** Any such test to determine compliance with particulate matter limitations set forth in Section 4.1.1 shall be conducted in accordance with Method 5 of 40 C.F.R. 60, Appendix A, Method 201 or 201A of 40 C.F.R. 51, or other such appropriate method approved by the Secretary. All such compliance tests must consist of not less than three (3) test runs; any test run duration shall not be less than sixty (60) minutes and no less than thirty (30) standard cubic feet of exhaust gas must be sampled during each test run. Such tests shall be conducted under such reasonable operating conditions as the Secretary may specify. The Secretary, or a duly authorized representative, may option to witness or conduct such stack

tests. Should the Secretary exercise this option to conduct such tests, the registrant shall provide all necessary sampling connections and sampling ports located in a manner as the Secretary may require, power for test equipment and required safety equipment in place such as scaffolding, railings and ladders in order to comply with generally accepted good safety practices.
[45CSR13, R13-2244, 4.3.2; 45CSR§7-8.1]

4.3.3. Any stack serving any process source operation or air pollution control device on any process source operation shall contain flow straightening devices or a vertical run of sufficient length to establish flow patterns consistent with acceptable stack sampling procedures.
[45CSR13, R13-2244, 4.3.3; 45CSR§7-4.12]

4.3.4. **Opacity testing.** Any test to determine compliance with the visible emission (opacity) limitations set forth in Sections 4.1.4, 4.1.5, and 4.1.6 shall be conducted by personnel appropriately trained for the task. Personnel performing the visual emissions observation shall be trained and familiar with the limitations and restrictions associated with 40 C.F.R. 60, Appendix A – Method 22. Any person performing an opacity observation for compliance assessment in the event of visible emissions must be a certified visible emission observer in accordance with 45CSR7A – "Compliance Test Procedures for 45CSR7 – To Prevent and Control Particulate Air Pollution from Manufacturing Process Operations." Nothing in this section, however, shall preclude any permittee or Secretary from using opacity data from a properly installed, calibrated, maintained and operated continuous opacity monitor as evidence to demonstrate compliance or a violation of visible emission requirements. If continuous opacity monitoring data results are submitted when determining compliance with visible emission limitations for a period of time during which determining compliance with visible emission limitations for a period of time during which 45CSR7A or Method 22 data indicated noncompliance, the 45CSR7A or Method 22 data shall be used to determine compliance with the visible emission limitations.
[45CSR13, R13-2244, 4.3.4; 45CSR§30-5.1.c]

4.3.5. **Notification of compliance testing.** For any compliance test to be conducted by the permittee as set forth in Section 4.3, a test protocol shall be submitted to the Secretary at least thirty (30) calendar days prior to the scheduled date of the test. Such compliance test protocol shall be subject to approval by the Secretary. The permittee shall notify the Secretary at least fifteen (15) days in advance of actual test dates and times during which the test (or tests) will be conducted.
[45CSR13, R13-2244, 4.3.5]

4.3.6. **Alternative test methods.** The Secretary may require a different test method or approve an alternative method in light of any technology advancements that may occur and may conduct or require such other tests as may be deemed necessary to evaluate air pollution emissions.
[45CSR13, R13-2244, 4.3.6; 45CSR§7-8.2]

4.4. Recordkeeping Requirements

4.4.1. **Record of Monitoring.** 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.

[45CSR13, R13-2244, 4.4.1]

4.4.2. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[45CSR13, R13-2244, 4.4.2]

4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, 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, R13-2244, 4.4.3]

4.4.4. For the purpose of demonstrating compliance with the maximum production rates set forth in Specific Requirement 4.1.2, the facility shall maintain monthly and annual records of production. These records shall be maintained according to the conditions specified in 40 C.F.R. §63.10(b)(1). Such records shall be certified by a "Responsible Official" and made available to the Director or his duly authorized representative upon request.
[45CSR13, R13-2244, 4.4.4]

4.4.5. The permittee shall maintain records of all monitoring data required by Section 4.2.1 of this permit, documenting the date and time of each visible emission check, the emission point or equipment identification number, the name or means of identification of the responsible observer, the results of the

check, and, if necessary, all corrective actions taken. Should a visible emission observation be required to be performed per the requirements specified in 45CSR7A, the data records of each observation shall be maintained per the requirements of 45CSR7A. For an emission unit out of service during the normal monthly evaluation, the record of observation may note "out of service" (OOS) or equivalent. These records shall be maintained according to the conditions specified in 40 C.F.R. §63.10(b)(1).
[45CSR13, R13-2244, 4.4.5]

4.4.6. The permittee shall maintain records of all information required by this permit (including monitoring data, support information, reports and notification), recorded in a form suitable and readily available for expeditious inspection and review. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on-site. The remaining three (3) years of data may be maintained off-site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on computer, on computer floppy disks, CDs, or DVDs, or magnetic tape disks), on microfilm, or on microfiche.

Certified copies of these records shall be made available to the Director of the Division of Air Quality or his duly authorized representative upon request. At a time prior to submittal to the Director, all records shall be certified and signed by a "Responsible Official" utilizing the Certification of Data Accuracy statement in Appendix A. If these records are considered to contain confidential business information as identified in the permit application, the records may be submitted according to the procedures set forth in 45CSR31 – "Confidential Information."

[45CSR13, R13-2244, 4.4.6]

4.4.7. Records of the monthly inspections required by 4.2.2 shall be maintained on-site and made available to the Director or his/her duly authorized representative upon request. These records shall consist of a listing of each emission point and its associated control device and shall indicate that the equipment was inspected, what problems were observed, if any repairs or modifications were made, and the name of the inspector.
[45CSR§30-5.1.c.]

4.4.8. The permittee shall monitor all fugitive particulate emission sources as required by 4.1.7 to ensure that a system to minimize fugitive emissions has been installed or implemented. Records shall be maintained on site stating the types of fugitive particulate capture and/or suppression systems used, the times these systems were inoperable, and the corrective actions taken to repair these systems.
[45CSR§30-5.1.c.]

4.4.9. The permittee shall maintain records indicating the use of any dust suppressants or any other suitable dust control measures as required by 4.1.8 applied at the facility. These records shall be maintained on site.
[45CSR§30-5.1.c.]

4.5. Reporting Requirements

4.5.1. None.

4.6. Compliance Plan

4.6.1. None.

Appendix A – Attachment A of R13-2244I

CERTIFICATION OF DATA ACCURACY

I, the undersigned, hereby certify that, based on information and belief formed after reasonable inquiry, all information contained in the attached _____, representing the period beginning _____ and ending _____, and any supporting documents appended hereto, is true, accurate, and complete.

Signature[1] (please use blue ink) _____ Responsible Official or Authorized Representative _____ Date

Name & Title (please print or type) _____ Name _____ Title

Telephone No. _____ Fax No. _____

[1] This form shall be signed by a "Responsible Official." "Responsible Official" means one of the following:

a. For a corporation: The president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:

(i) the facilities employ more than 250 persons or have a gross annual sales or expenditures exceeding $25 million (in second quarter 1980 dollars), or

(ii) the delegation of authority to such representative is approved in advance by the Director;

b. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;

c. For a municipality, State, Federal, or other public entity: either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of U.S. EPA); or

d. The designated representative delegated with such authority and approved in advance by the Director.

Appendix B – Attachment A of R13-2617I for Engineering Polymers – East

Emission Point Identification	Source Identification	Source Description	Control Device Identification	Service (VOC/HAP/ TAP)	Affected R13-Permit	Included In Original R21 RACM Plan	Currently Subject to:		Potentially Other Applicable Regulations - Citation (MACT/BACT/NSPS/NESHAP etc.)
							R21	R27	
280-125AE	280-CP6	CP6 Extruder	None	TAP-F	R13-2244	No	No	Yes	
280-138E	280-CP8	CP8 Extruder	None	TAP-F	R13-2244	No	No	Yes	
280-140E	280-CP7	CP7 Extruder	None	TAP-F	R13-2244	No	No	Yes	
280-150E	280-CP7	Vacuum Pot vent	None	TAP-F	R13-2244	No	No	Yes	
280-160E	280-CP6	CP6 Extruder	None	TAP-F	R13-2244	No	No	Yes	
280-172E	280-CP9	CP9 Extruder	280-172C	TAP-F	R13-2244	No	No	Yes	
280-173E	280-CP9	CP9 Extruder	None	TAP-F	R13-2244	No	No	Yes	

Note #1 - Formaldehyde (TAP-F) does not qualify as a MACT Wastewater under any Standard.
Note #2 - MON MACT has a process vent definition cut-off at 50 ppm. Below this there are no controls since it is not considered to be a process vent.
Note #3 - The WWTP located at Washington Works does not receive any Group 1 Streams as defined by the rule. Hence the applicability of 40 CFR 63.135 and 40 CSR 63.145 are very, very limited.
Note #4 - The Affected R13 Permit refers to the most current version of that Permit.