West Virginia Department of Environmental Protection
Division of Air Quality

Joe Manchin, III
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 & Company, Inc.
Washington Works
Engineering Polymers - West (Part 7 of 14)
R30-10700001-2003

John A. Benedict
Director

Issued: February 28, 2005 • Effective: March 14, 2005
Expiration: February 28, 2010 • Renewal: August 28, 2009

Permit Number: **R30-10700001-2003**

Permittee: **E. I. duPont de Nemours & Company, Inc.**

Facility Name: **Washington Works**

Business Unit: **Engineering Polymers - West (Part 7 of 14)**

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
Mailing Address:	P. O. Box 1217, Washington, WV 26181-1217
Telephone Number:	(304) 863-4240
Type of Business Entity:	Corporation
Facility Description:	Chemicals and Plastic Resins Manufacturing
SIC Codes:	2821
UTM Coordinates:	422.27 km Easting • 4,346.57 km Northing • Zone 17

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	Control Device	Emission Unit Description	Design Capacity	Year Installed
142-S-R1	142-E-030	Inherent Scrubber	R1 Extruder	8,700 pph	1980
~~142-S-30~~ ~~142-S-111~~	142-E-111	Inherent Water Ring	~~R1 Die Exhaust (RFA)~~ ~~R1 Vacuum Port~~	~~8,700 pph~~	~~1980~~
142-S-R2	142-E-031	Inherent Scrubber	R2 Extruder	3,000 pph	1980
~~142-S-31~~ ~~142-S-114~~	142-E-114	Inherent Water Ring	~~R2 Die Exhaust (RFA)~~ ~~R2 Vacuum Port~~	~~3,000 pph~~	~~1980~~
142-S-R5	142-E-005	None	R5 Extruder	6,000 pph	1969
~~144-S-05~~	~~144-E-05~~	~~Inherent Bag Filter~~	~~Blender~~	~~4,900 pph~~	~~1980~~
~~142-S-10~~	142-E-010	Inherent Water Ring	~~R5 Vacuum Port~~	~~3,800 pph~~	1980
~~142-S-12~~	142-E-012	None ~~142-C-12 Cyclone~~	~~R5 Cooler/Screener~~	~~4,900 pph~~	1986
~~142-S-102~~	142-E-102	None	~~R5 Die Exhaust~~	~~4,900 pph~~	1969
~~144-S-07~~	144-E-007	144-C-007 Fabric Filter	~~Big Blue Raw Material Staging~~	~~11,700 pph~~	1979
142-S-029	142-E-029	None ~~142-C-29 Fabric Filter~~	R2Cutter ~~Hopper~~	3,000 pph	1969
~~142-S-109~~	142-E-115 ~~142-E-109~~	None ~~142-C-109 Cyclone~~	~~R2 Cooler Screener~~	~~11,700 pph~~	~~1980~~
~~142-S-116~~	142-E-116	Inherent Bag Filter	~~Blender~~	~~11,700 pph~~	~~1980~~
142-S-112	142-E-028	None	R1Cutter	~~11,700 pph~~	1969
~~142-S-28~~		~~142-C-28 Cyclone~~	~~R1 Cooler/Screener~~	8,700 pph	~~1980~~
~~142-S-108~~	142-E-108	Inherent Bag Filter	~~Screener/Separator~~	~~11,700 pph~~	~~1980~~
~~142-S-112~~	142-E-112	142-C-112 Fabric Filter			~~1980~~
~~142-S-116~~	142-E-126	None	~~Impact Separator~~		

Emission Unit ID	Emission Point ID	Control Device	Emission Unit Description	Design Capacity	Year Installed
142-S-125	142-E-125	142-C-125 Bag Filter	Area Feeders	N/A	2007
~~142-S-105~~	~~142-E-105~~	~~Inherent Bag Filter~~	~~Hopper~~	~~8,700 pph~~	~~1980~~
~~142-S-106~~	~~142-E-106~~	~~Inherent Bag Filter~~	~~Hopper~~	~~3,000 pph~~	~~1980~~
~~142-S-107~~	~~142-E-107~~	~~Inherent Bag Filter~~	~~Hopper~~	~~8,700 pph~~	~~1980~~
~~142-S-113~~	~~142-E-113~~	~~Inherent Bag Filter~~	~~Hopper~~	~~3,000 pph~~	~~1980~~
~~142-S-121~~	~~142-E-121~~	~~142-C-121 Fabric Filter~~	~~R1 Glass Hopper~~	~~8,700 pph~~	~~1980~~
~~142-S-122~~	~~142-E-122~~	~~142-C-122 Fabric Filter~~	~~R2 Glass Hopper~~	~~3,000 pph~~	~~1980~~
~~144-S-10~~	~~144-E-10~~	~~Inherent Bag Filter~~	~~Filter Receiver~~	~~11,700 pph~~	~~1980~~
142-S-126	142-E-126	142-C-109 Cyclone	R1 Rework Box Dumper	8,700 pph	1980
142-S-127	142-E-127	142-C-109 Cyclone	R2 Bulk Load/Rework Box Dumper	3,000 pph	1969
143-S-001	143-E-001	143-C-001 Fabric Filter	~~#1, #2~~ Raw Material Storage Silo~~s~~	20,000 ~~16,600~~ pph	1980 ~~1979~~
143-S-002	143-E-001 ~~143-E-02~~	143-C-001 ~~143-C-02~~ Fabric Filter	~~TFN Transfer Station #2/~~ Raw Material Storage Silo	20,000 ~~16,600~~ pph	1980 ~~1979~~
143-S-003	143-E-003	143-C-003 Fabric Filter	Raw Material Storage Silo ~~#3~~	20,000 ~~16,600~~ pph	1980 ~~1979~~
143-S-004	143-E-004	143-C-004 Fabric Filter	Raw Material Storage Silo ~~#4~~	20,000 ~~16,600~~ pph	1980 ~~1979~~
143-S-005	143-E-005	143-C-005 Fabric Filter	Raw Material Storage Silo ~~#10~~	20,000 ~~16,600~~ pph	1980 ~~1979~~
	144-E-117	None		6,000 pph	1979
143-S-007	143-E-009	143-C-009 Fabric Filter	Raw Material Storage Silo ~~#7~~	20,000 ~~16,600~~ -pph	~~1979~~
~~143-S-09~~	144-E-003	~~Inherent Bag Filter~~ 143-C-003 Fabric Filter	~~Tilter~~	~~4,900 pph~~	1980
143-S-008	143-E-007	143-C-007 Fabric Filter	Raw Material Storage Silo ~~#8~~ ~~Tilter~~	20,000 ~~16,600~~ pph ~~4,900 pph~~	~~1979~~ 1980
~~143-S-07~~ ~~144-S-03~~	144-E-003	~~Inherent Bag Filter~~ 143-C-003 Fabric Filter			
143-S-009 ~~143-S-08~~	143-E-008	143-C-008 Fabric Filter	Raw Material Storage Silo ~~#9~~	20,000 ~~16,600~~ -pph	1980 ~~1979~~
143-S-010 ~~143-S-06~~	143-E-006	143-C-006 Fabric Filter	Raw Material Storage Silo ~~#8~~ ~~Tilter~~	20,000 ~~16,600~~ pph ~~4,900 pph~~	~~1979~~ 1980
~~143-S-09~~	144-E-003	143-C-003 Fabric Filter Inherent Bag Filter			

Emission Unit ID	Emission Point ID	Control Device	Emission Unit Description	Design Capacity	Year Installed
143-S-011	143-E-005	143-C-005 Fabric Filter	Raw Material Storage Silo ~~#10~~	20,000 ~~16,600~~ pph	1980 ~~1979~~
143-S-012	143-E-005	143-C-005 Fabric Filter	Raw Material Storage Silo ~~#10~~	20,000 ~~16,600~~ pph	1980 ~~1979~~
	144-E-117	None		6,000 pph	
143-S-PL_ST ~~143-S-10~~	143-E-010	None	Plasticizer ~~Storage Tank~~	4.67 cu ft/hr ~~16,600 pph~~	1980
144-S-002	144-E-002	Inherent Bag Filter	R5 #3 Box Dumper ~~Tilter~~	4,000 ~~4,900~~ pph	1980
144-S-003 ~~143-S-09~~	144-E-003	Inherent Bag Filter	R5 #2 Box Dumper ~~Tilter~~	6,000 ~~4,900~~ pph	1980
144-S-007	144-E-007	144-C-007 Fabric Filter	"Big Blue" General Dust Collector ~~Raw Material Staging~~	6,000 ~~11,700~~ pph	1980 ~~1979~~
144-S-008	144-E-008	None	Burnout Oven	1,000 pph	1980
144-S-014	144-E-014	None	R5 Dryer	6,000 pph	1980
~~144-S-16~~	~~144-E-16~~	~~None~~	~~Abrasive Cleaner~~	~~1,000 pph~~	~~1980~~
144-S-017	144-E-017	None	Welding Booth	1,000 pph	1980
144-S-018	144-E-018	None	Solvent Cleaner ~~Bath~~	40 Gallons	1979
144-S-022	144-E-022	None~~144-C-22 Fabric Filter~~	Staging Supersak ~~Dust Collector~~	10,000 ~~100~~ pph	1986
144-S-117 ~~142-S-117~~	144-E-117 ~~142-E-117~~	None ~~142-C-117 Fabric Filter~~	R5 Bk/NC Main Feed ~~Silo/Conveying~~	6,000 pph ~~4,900 pph~~	1980
144-S-124	144-E-124	None	R5 Mineral Feed	6,000 pph	2006
TFN1 ~~147-S-01~~	147-E-001	147-C-001 Fabric Filter	Raw Material ~~TFN~~ Storage Silos	48,000 ~~16,600~~ pph	1980
TFN2				20,000 pph	
TFN3				48,000 pph	
TFN4				48,000 pph	
TFN5				20,000 pph	
FP1 ~~147-S-02~~	147-E-002	147-C-002 Fabric Filter	Finished Product ~~ZYTEL - FP~~ Silos	20,000 ~~11,700~~ pph	1980
FP2				25,000 pph	
FP3				25,000 pph	
FP4				25,000 pph	

Emission Unit ID	Emission Point ID	Control Device	Emission Unit Description	Design Capacity	Year Installed
FP5				25,000 pph	
147-S-003	147-E-003	None	Blenders #1, 2 Load Vent	20,000 pph	1980
147-S-004	147-E-004	None	B144 Central Vac	4,000 pph	1980
147-S-005	147-E-005	None	Bulk Unloading	20,000 pph	1980

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
R13-0871G~~F~~	January 24, 2008 ~~August 24, 2007~~

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.

2.2. 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 *or* mmbtu/hr	Million British Thermal Units per Hour		
MMCF/hr *or* mmcf/hr	Million Cubic Feet Burned per Hour		
NA	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, firm, corporation, association or public agency 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, suffer, allow or permit 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 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). A copy of this notice is required to be sent to the USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health.
[40 C.F.R. 61 and 45CSR15]

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. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5]

3.1.6. **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]

3.1.7. **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)]

3.1.8. **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]

3.1.9. **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]

3.1.10. 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.]**

3.2. Monitoring Requirements

3.2.1. NA

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. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit will be revised in accordance with 45CSR§30-6.4. or 45CSR§30-6.5 as 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. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit will be revised in accordance with 45CSR§30-6.4. or 45CSR§30-6.5 as applicable.

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.

[WV Code § 22-5-4(a)(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.]

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. Such record shall contain an assessment of the validity of the complaints as well as any corrective actions taken. **[45CSR§30-5.1.c. State-Enforceable only.]**

3.4.4. Your site remediation activities are not subject to the requirements of 40 C.F.R. 63, Subpart GGGGG, except for the recordkeeping requirements in this paragraph, provided that you meet the requirements specified in paragraphs (c)(1) through (c)(3) of this section.

3.4.4.1. You determine that the total quantity of the HAP listed in Table 1 of 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 mega gram (Mg) annual. 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.

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

3.4.4.3. Your Title V permit does not have to be reopened or revised solely to include the recordkeeping requirement specified in 3.4.4.2. However, the requirement must be included in your permit the next time the permit is renewed, reopened, or revised for another reason.

[45CSR34; 40 C.F.R. §63.7881(c)]

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. 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, or mailed first class 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 Enforcement and Permits Review
(3AP12)
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. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.
[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 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 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.]

c. Every report submitted under this subsection shall be certified by a responsible official.
[45CSR§30.5.1.c.3.D.]

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. NA

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 petroleum liquid storage tanks in the Engineering Polymers – West Production Area.

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 petroleum liquid storage tanks in the Engineering Polymers – West Production Area.

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 volatile organic liquid storage tanks in the Engineering Polymers – West Production Area constructed after 1984 and subject to this rule.

d. 40 C.F.R. 60, Subpart VV - "Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry." The Engineering Polymers – West Production Area does not produce as intermediates or final products any of the materials listed in §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 Engineering Polymers – West Production Area 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 Engineering Polymers – West Production Area does not produce any of the chemicals listed in §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 §61.241. VHAP service involves chemicals that are not used in a manner that qualifies them under the rule in the Engineering Polymers – West Production Area.

h. 40 C.F.R. 63, Subpart F – "National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry." 40 C.F.R. 63 Subparts F, G, and H do not apply to manufacturing process units that do not meet the criteria in §§63.100(b)(1), (b)(2), and (b)(3).

i. 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." 40 C.F.R. 63 Subparts F, G, and H do not apply to manufacturing process units that do not meet the criteria in §§63.100(b)(1), (b)(2), and (b)(3).

j. 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 manufacturing process units that do not meet the criteria in §§63.100(b)(1), (b)(2), and (b)(3).

k. 40 C.F.R. 63, Subpart DD – "National Emission Standards for Hazardous Air Pollutants From Off-Site Waste and Recovery Operations." The Engineering Polymers – West Production Area does not receive off-site materials as specified in paragraph 40 C.F.R. §63.680(b) and the operations are not one of the waste management operations or recovery operations as specified in 40 C.F.R. §§63.680(a)(2)(i) through (a)(2)(vi).

l. 40 C.F.R. 63, Subpart JJJ - "National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins." The Engineering Polymers – West Production Area does not produce the materials listed in §63.1310.

m. 40 C.F.R.63, Subpart FFFF – "National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing." The Engineering Polymers – West Production Area does not manufacture any material or family of materials defined in §§63.2435(b)(1)(i) through (v).

n. 40 C.F.R. 63, Subpart EEEE – "National Emission Standards for Hazardous Air Pollutants: Organic Liquid Distribution (Non-Gasoline)." The Engineering Polymers – West Production Area does not operate an organic liquids distribution (OLD) operation or does not handle material organic liquids as defined in §63.2406.

o. 40 C.F.R. 63, Subpart PPPP – "National Emission Standards for Hazardous Air Pollutants: Surface Coating of Plastic Parts and Products." The Engineering Polymers – West Production Area does not produce an intermediate or final product that meets the definition of "surface coated" plastic part.

p. 40 C.F.R. 63, Subpart WWWW - "National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production." The Engineering Polymers – West Production Area 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.

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

r. 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 Engineering Polymers – West Production Area does not conduct motor vehicle maintenance involving CFCs on site.

s. 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 Engineering Polymers – West Production Area does not use, manufacture, nor distribute these materials.

t. 45CSR2 – "To Prevent and Control Particulate Air Pollution from Combustion of Fuel in Indirect Heat Exchangers." The Engineering Polymers – West Production Area does not contain any fuel burning units.

u. 45CSR10 – "To Prevent and Control Air Pollution from the Emission of Sulfur Oxides." The Engineering Polymers – West Production Area does not have emission sources of sulfur oxides subject to this rule.

v. 45CSR15 – "Emission Standards for Hazardous Air Pollutants Pursuant to 40 C.F.R. 61." The Engineering Polymers – West Production Area is not subject to any requirements under 40 C.F.R. 61.

w. 45CSR16 – "Standards of Performance for New Stationary Sources Pursuant to 40 C.F.R. 60." The Engineering Polymers – West Production Area is not subject to any requirements under 40 C.F.R. 60.

x. 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, the Engineering Polymers – West Production Area is not subject to 45CSR17 because it is subject to the fugitive particulate matter emission requirements of 45CSR7.

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

z. 45CSR27 – "To Prevent and Control the Emission of Toxic Air Pollutants." The Engineering Polymers – West Production Area does not have emission sources of toxic air pollutants as listed in 45CSR27.

aa. 45CSR34 – "Emission Standards for Hazardous Air Pollutants for Source Categories Pursuant to 40 C.F.R. 63." The Engineering Polymers – West Production Area is not subject to any requirements under 40 C.F.R. 63.

4.0. R13-0871 and 45CSR7 Requirements

4.1. Limitations and Standards

4.1.1. Maximum allowable hourly and annual emissions shall not exceed the limitations set forth in Table 4.1.1.

Table 4.1.1 Emission Limits for EPC-West Facility

Emission Point	Pollutant	Emission Limit	
		pph	tpy
142-E-005	PM/PM_{10}	0.1	0.01
142-E-010	CO	0.1	0.08 ~~0.01~~
	VOC	1.9	8.08 ~~8.15~~
	PM/PM_{10}	0.3	1.14
~~142-E-012~~	~~PM_{10}~~	~~0.1~~	~~0.05~~
142-E-028	PM/PM_{10}	0.1	0.01 ~~0.06~~
142-E-029	PM/PM_{10}	0.1	0.08
142-E-030	~~CO~~	~~0.1~~	~~0.01~~
	PM/PM_{10}	0.1	0.40
	VOC	0.1	0.01
	Total HAPs:	0.01	0.01
	Acetaldehyde	~~0.01~~	~~0.01~~
	Hydrogen Fluoride		
142-E-031	~~CO~~	~~0.1~~	~~0.01~~
	PM/PM_{10}	0.1	0.14 ~~0.13~~
	VOC	0.1	0.01
	Total HAPs:	0.01	0.01
	Acetaldehyde	~~0.01~~	~~0.01~~
	Hydrogen Fluoride		
142-E-102	CO	0.1	0.05 ~~0.04~~
	PM/PM_{10}	0.1	0.37 ~~0.01~~
	VOC	0.1	0.02 ~~0.06~~
~~142-E-105~~	~~PM_{10}~~	~~0.1~~	~~0.01~~
~~142-E-106~~	~~PM_{10}~~	~~0.1~~	~~0.07~~
~~142-E-107~~	~~PM_{10}~~	~~0.1~~	~~0.11~~
142-E-108	PM_{10}	0.1	0.01 ~~0.04~~
~~142-E-109~~	~~PM_{10}~~	~~0.1~~	~~0.06~~
142-E-111	CO	0.1	0.01 ~~0.02~~
	VOC	0.1	0.33 ~~0.04~~
	Total HAPs:	0.07 ~~0.09~~	0.31 ~~0.40~~
	Acetaldehyde		
	Benzene		
	Epichlorohydrine		
	Ethylbenzene		
	Formaldehyde		
	Hydrogen Fluoride		
	Phenol		
	Toluene		
	m+p-xylene		
	o-xylene		
142-E-112	PM/PM_{10}	0.1	0.01 ~~0.3~~
~~142-E-113~~	~~PM_{10}~~	~~0.1~~	~~0.05~~
142-E-114	CO	0.1	0.01

Emission Point	Pollutant	Emission Limit	
		pph	tpy
	VOC Total HAPs: Acetaldehyde Benzene Epichlorohydrine Ethylbenzene Formaldehyde Hydrogen Fluoride Phenol Toluene m+p-xylene o-xylene	0.02 0.02	0.08 0.07
142-E-115	PM/PM_{10}	0.1	0.01
142-E-116	PM/PM_{10}	0.1	0.01 ~~0.02~~
~~142-E-121~~	~~PM_{10}~~	~~0.1~~	~~0.01~~
~~142-E-122~~	~~PM_{10}~~	~~0.1~~	~~0.01~~
142-E-125	PM/PM_{10}	0.1	0.02
142-E-126	PM/PM_{10}	0.1	0.01
143-E-001	PM_{10}	0.1	0.13
~~143-E-02~~	~~PM_{10}~~	~~0.1~~	~~0.02~~
143-E-003	PM_{10}	0.1	0.01
143-E-004	PM_{10}	0.1	0.01
143-E-005	PM/PM_{10}	0.1	0.01
143-E-006	PM_{10}	0.1	0.02
~~143-E-07~~	~~PM_{10}~~	~~0.1~~	~~0.02~~
143-E-008	PM_{10}	0.1	0.02
143-E-009	PM_{10}	0.1	0.02
143-E-010	VOC	0.4	0.03
144-E-002	PM_{10}	0.1	0.01
144-E-003	PM_{10}	0.1	0.01
~~144-E-05~~	~~PM_{10}~~	~~0.1~~	~~2.43~~
144-E-007	PM/PM_{10} VOC	0.1 3.7	0.01~~0.04~~ 16.01
144-E-008	PM_{10} VOC Styrene	0.1 0.1 0.01	0.01 0.26~~0.07~~ 0.02~~0.01~~
~~144-E-10~~	~~PM_{10}~~	~~0.1~~	~~0.01~~
144-E-014	CO	0.1	0.02
~~144-E-16~~	~~PM_{10}~~	~~0.1~~	~~0.01~~
144-E-018	VOC	0.1	0.01
144-E-022	PM/PM_{10}	0.1	0.01
~~142-E-117~~	~~PM_{10}~~	~~0.1~~	~~0.35~~
144-E-124 ~~142-E-124~~	PM/PM_{10}	0.5	2.19
147-E-001	PM/PM_{10}	0.1	0.02
147-E-002	PM/PM_{10}	0.1	0.01
147-E-003	PM/PM_{10}	0.1	0.01
147-E-005	PM/PM_{10}	0.1	0.01

* Provided formaldehyde emissions do not exceed these limits, WVDAQ classifies these trace formaldehyde emissions as "insignificant" per 45CSR§27-3.3. Compliance with Section 4.1.2 shall also serve to demonstrate compliance with the trace formaldehyde limits

established in Table 4.1.1.

Compliance with the above particulate emission limits for emission points 142-E-005, 142-E-012, 142-E-028, 142-E-029, 142-E-030, 142-E-031, 142-E-102, ~~142-E-105, 142-E-106, 142-E-107~~, 142-E-108, ~~142-E-109~~, 142-E-112, ~~142-E-113~~, 142-E-115, 142-E-116, ~~142-E-117~~, ~~142-E-121, 142-E-122~~, 142-E-125, 142-E-126, 142-E-127, 143-E-001, ~~143-E-02~~, 143-E-003, 143-E-004, 143-E-005, 143-E-006, 143-E-007, 143-E-008, 143-E-009, 144-E-002, 144-E-003, ~~144-E-05~~, 144-E-007, 144-E-008, ~~144-E-10~~, ~~144-E-16~~, 144-E-022, 144-E-117, 144-E-124, 147-E-001, and 147-E-002, 147-E-003, 147-E-005 shall demonstrate compliance with the less stringent particulate emission limits of 45CSR§7-4.1. **[45CSR13, R13-0871, 4.1.1; 45CSR§13-5.11; 45CSR§7-4.1]**

4.1.2. The EPC-West facility shall not exceed the total maximum hourly and annual production rates for extruders R1, R2 and R5 of 17,700 pounds per hour and 77,526 tons per year. **[45CSR13, R13-0871, 4.1.2]**

4.1.3. 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 percent opacity, except as noted in Section 4.1.4. *(142-E-005, 142-E-012, 142-E-028, 142-E-029, 142-E-030, 142-E-031, 142-E-102, ~~142-E-105, 142-E-106, 142-E-107~~, 142-E-108, ~~142-E-109~~, 142-E-112, ~~142-E-113~~, 142-E-115, 142-E-116, ~~142-E-121, 142-E-122~~, 142-E-125, 142-E-126, 142-E-127, 144-E-002, 144-E-003, ~~144-E-05~~, 144-E-007, 144-E-008, ~~144-E-10~~, ~~144-E-16~~, 144-E-014, 144-E-017, and 144-E-022, 147-E-003, 147-E-004, 147-E-005)* **[45CSR13, R13-0871, 4.1.3; 45CSR§7-3.1]**

4.1.4. The provisions of Section 4.1.3 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. *(142-E-005, 142-E-012, 142-E-028, 142-E-029, 142-E-030, 142-E-031, 142-E-102, ~~142-E-105, 142-E-106, 142-E-107~~, 142-E-108, , ~~142-E-109~~, 142-E-112, ~~142-E-113~~, 142-E-115, 142-E-116, ~~142-E-121, 142-E-122~~, 142-E-125, 142-E-126, 142-E-127, 144-E-002, 144-E-003, ~~144-E-05~~, 144-E-007, 144-E-008, , ~~144-E-10~~, ~~144-E-16~~, 144-E-014, 144-E-017, and 144-E-022, 147-E-003, 147-E-004, 147-E-005)* **[45CSR13, R13-0871, 4.1.3.; 45CSR§7-3.2]**

4.1.5. No person shall cause, suffer, allow or permit visible emissions from any storage structure(s) associated with any manufacturing process(es) that pursuant to Section 4.1.6 is required to have a full enclosure and be equipped with a particulate matter control device. *(~~142-E-117~~, 143-E-001, ~~143-E-02~~, 143-E-003, 143-E-004, 143-E-005, 143-E-006, 143-E-007, 143-E-008, 143-E-009, 144-E-003, 144-E-117, 144-E-124, 147-E-001, and 147-E-002)* **[45CSR13, R13-0871, 4.1.3.; 45CSR§7-3.7]**

4.1.6. 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, R13-0871, 4.1.3.; 45CSR§7-5.1]**

4.1.7. 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, R13-0871, 4.1.3.; 45CSR§7-5.2]**

4.1.8. Maintenance operations shall be exempt from the provisions of 45CSR§7-4 provided that at all times the owner or operator shall conduct maintenance operations in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are

being used will be based on information available to the Director which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures and inspection of the source. *(144-E-017)* **[45CSR§7-10.3]**

4.1.9. **Maintenance of Air Pollution Control Equipment.** The permittee shall install, operate, and maintain all pollution control equipment in accordance with the manufacturer's specifications so as to provide the guaranteed minimum control efficiency, or with any more stringent control requirements as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary. **[45CSR13, R13-0871, 4.1.5.; 45CSR§13-5.11]**

4.2. Monitoring Requirements

4.2.1. For the purpose of determining compliance with the opacity limits set forth in Sections 4.1.3, 4.1.4, and 4.1.5 the permittee shall conduct opacity monitoring for 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.

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 45CSR7A 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, R13-0871, 4.2.1; 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, R13-0871, 4.3.1; 45CSR§7-8.1; 45CSR§13-6.1]**

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, R13-0871, 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, R13-0871, 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 4.1.3, 4.1.4, 4.1.5 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*" and Method 22 of 40 C.F.R. 60, Appendix A. Nothing in this section, however, shall preclude any permittee or the 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 45CSR7A or Method 22 data indicates noncompliance, the 45CSR7A or Method 22 data shall be used to determine compliance with the visible emission limitations. **[45CSR13, R13-0871, 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, R13-0871, 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, R13-0871, 4.3.6; 45CSR§7-8.2]**

4.4. Recordkeeping Requirements

4.4.1. To demonstrate compliance with the production limits of 4.1.2, the permittee shall maintain monthly records of production equivalent to the example form supplied as Appendix A, Attachment A. **[45CSR13, R13-0871, 4.4.4.]**

4.4.2. To demonstrate compliance with the emission limits of 4.1.1, the permittee shall maintain records equivalent to the example emission reports supplied as Appendix A, Attachments B and C. **[45CSR13, R13-0871, 4.4.5.]**

4.4.3. The permittee shall maintain records of all monitoring data required by Section 4.2.1 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 result of the check, and, if necessary, all corrective actions taken. Such records shall be equivalent to the example form supplied as Appendix A, Attachment D. 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. **[45CSR13, R13-0871, 4.4.6.]**

4.4.4. The permittee shall maintain and operate all air emissions control devices installed at the facility in accordance with proper operational guidelines to minimize emissions. For all air emissions control devices listed in Section 1.0, the permittee shall keep accurate records of calibrations and maintenance activities, and of malfunctions and other operational shutdowns which result in excess emissions.

For each malfunction or operational shutdown of a control device that results in excess emissions, the following additional information must be recorded, at a minimum:

a. The equipment involved (including Equipment ID No., Emission Point ID No., and Control Equipment ID No.) and associated cause of the malfunction.
b. Steps taken to correct the malfunction.
c. Steps taken to minimize emissions during the malfunction.
d. The duration of the malfunction.
e. The estimated increase in emissions during the malfunction.
f. Any changes or modification to equipment or procedures that would help prevent future recurrences of the malfunction.

These records may be maintained electronically or in hard copy form, and shall be made available for review upon request of the Director or his duly authorized representative. **[45CSR13, R13-0871, 4.4.3.]**

4.4.5. The permittee shall maintain records of all information (including monitoring data, support information, reports, and notification) required by this permit 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 attached Certification of Data Accuracy statement. 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, R13-0871, 4.4.7.]**

4.4.6. **Record of Maintenance of Air Pollution Control Equipment.**

a. The permittee shall maintain maintenance records relating to the failure and/or repair of air pollution control devices and fugitive emissions control systems. Such records shall contain, at a minimum, the equipment ID number, a brief description of the equipment, the date of failure and/or repair, the nature of the problem, actions taken, and the name or initials of the person making the record entry. In the event of air pollution control equipment, fugitive emissions control system, or system failure, these records shall document the permittee's effort to maintain proper and effective operation of such equipment and/or systems.

b. Air pollution control equipment maintenance record shall be retained on-site for a period of five (5) years. Certified records, signed by a Responsible Official or an Authorized Representative shall be made available

to the Secretary or a duly authorized representative upon request; and

c. Maintenance records required by this section may be kept in electronic format. The document(s) shall be printed and certified by a Responsible Official or Authorized Representative upon request.

[45CSR13, R13-0871, 4.4.2.; 45CSR§30-5.1.c.]

4.4.7. The permittee shall monitor all fugitive particulate emission sources as required by 4.1.6 to ensure that a system to minimize fugitive emissions has been installed or implemented. Records shall be maintained on site for a period of no less than five (5) years 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.]**

4.4.8. The permittee shall maintain records indicating the use of any dust suppressants or any other suitable dust control measures as required by 4.1.7 applied at the facility. These records shall be maintained on site for a period of no less than five (5) years. **[45CSR§30-5.1.c.]**

4.4.9. The permittee shall monitor all maintenance operations as required by 4.1.8 to ensure that a system to minimize particulate emissions has been installed or implemented. Records shall be maintained on site for a period of no less than five (5) years stating the types of particulate capture and/or suppression systems used, the times these systems were inoperable, and the corrective actions taken to repair these systems. The permittee shall also indicate any times that visible emissions were observed, stating the cause and the corrective actions taken. **[45CSR§30-5.1.c.]**

4.5. Reporting Requirements

4.5.1. NA

4.6. Compliance Plan

4.6.1. NA

5.0. 45CSR§21-30 Requirements for Solvent Bath (144-S-18)

5.1. Limitations and Standards

5.1.1. The owner or operator of a cold cleaning facility shall:

a. Provide a permanent, legible, conspicuous label, summarizing the operating requirements.

b. Store waste solvent in covered containers.

c. Close the cover whenever parts are not being handled in the cleaner.

d. Drain the cleaned parts until dripping ceases.

e. If used, supply a solvent spray that is a solid fluid stream (not a fine, atomized, or shower-type spray) at a pressure that does not exceed 10 pounds per square inch gauge.

f. Degrease only materials that are neither porous nor absorbent.

[45CSR§§21-30.3.a.4., 30.3.a.5., 30.3.a.6., 30.3.a.7., 30.3.a.8., 30.3.a.9.]

5.2. Monitoring Requirements

5.2.1. NA

5.3. Testing Requirements

5.3.1. Test Method ASTM D323-72 shall be used for measuring the solvent true vapor pressure. **[45CSR§21-30.4.e.]**

5.4. Recordkeeping Requirements

5.4.1. Each owner or operator of a solvent metal cleaning source subject to this 45CSR§21-30 shall maintain the following records in a readily accessible location for at least 5 years and shall make these records available to the Director upon verbal or written request:

a. A record of central equipment maintenance, such as replacement of the carbon in a carbon adsorption unit.

b. The results of all tests conducted in accordance with the requirements in section 45CSR§21-30.4 (5.3.1).

[45CSR§21-30.5. and 45CSR§30-5.1.c.]

5.5. Reporting Requirements

5.5.1. Except as provided in section 45CSR§21-9.3, the owner or operator of any facility containing sources subject to 45CSR§21-5 shall, for each occurrence of excess emissions expected to last more than 7 days, within 1 business day of becoming aware of such occurrence, supply the Director by letter with the following information.

a. The name and location of the facility;

b. The subject sources that caused the excess emissions;

c. The time and date of first observation of the excess emissions; and

d. The cause and expected duration of the excess emissions.

e. For sources subject to numerical emission limitations, the estimated rate of emissions (expressed in the units of the applicable emission limitation) and the operating data and calculations used in determining the magnitude of the excess emissions; and

f. The proposed corrective actions and schedule to correct the conditions causing the excess emissions.

[45CSR§21-5.2.]

5.6. Compliance Plan

5.6.1. NA

APPENDIX A (Example Data Forms)
ATTACHMENT A – Monthly Production Report

E. I. duPont de Nemours & Company, Inc.; Washington Works
Plant ID No. 107-00001; Permit No. R13-0871

Current Month and Year: _____
Data Entered By: _____
Date Entered: _____
Reviewed By: _____
Date Reviewed: _____

Equipment	Monthly Production	
	Maximum Pounds per Hour	Total Pounds
R1 Extruder		
R2 Extruder		
R5 Extruder		

(1) This record shall be maintained per Section 4.4.5.

APPENDIX A (Example Data Forms)
ATTACHMENT B – Monthly Emissions Report
E. I. duPont de Nemours & Company, Inc.; Washington Works
Plant ID No. 107-00001; Permit No. R13-0871

Equipment Name	Equipment ID	Control Device ID	Emission Point ID	Maximum Emissions (pph)												
				CO	PM_{10}	VOC	Acetaldehyde	Benzene	Epichlorohydrine	Ethylbenzene	Formaldehyde	Hydrogen Fluoride	Phenol	Toluene	m+p-xylene	o-xylene

APPENDIX A (Example Data Forms)
ATTACHMENT B (Continued) – Monthly Emissions Report
E. I. duPont de Nemours & Company, Inc.; Washington Works
Plant ID No. 107-00001; Permit No. R13-0871

Equipment Name	Equipment ID	Control Device ID	Emission Point ID	Monthly Emissions (ppm)												
				CO	PM_{10}	VOC	Acetaldehyde	Benzene	Epichlorohydrine	Ethylbenzene	Formaldehyde	Hydrogen Fluoride	Phenol	Toluene	m+p-xylene	o-xylene

(1) This record shall be maintained per Section 4.4.5.

APPENDIX A (Example Data Forms)
ATTACHMENT C – Annual Emissions Report
E. I. duPont de Nemours & Company, Inc.; Washington Works
Plant ID No. 107-00001; Permit No. R13-0871

Current Year: _____

Equipment Name	Equipment ID	Control Device ID	Emission Point ID	Emissions (pounds) for Pollutant _____											
				January	February	March	April	May	June	July	August	September	October	November	December

(1) This record shall be maintained per Section 4.4.5.

Appendix A (Example Data Forms)
ATTACHMENT D – Monthly Opacity Report
E.I. DuPont de Nemours & Company, Inc.; Washington Works
Plant ID No. 107-00001; Permit No. R13-0871

Current Month and Year: _____
Data Entered By: _____
Date Entered: _____
Reviewed By: _____
Date Reviewed: _____

Stack/Vent ID	Stack/Vent Description	Date of Observation	Time of Observation	Name of Observer	Visible Plume? Yes/No	Near 20% Opacity? Yes/No	Method 9 Compliance Status?	Comments

Opacity Observers – Method 22 Training Observer Name	Latest Certification Date	Certification Expiration Date	Current Date	Certification Current?

(1) This record shall be maintained per Section 4.4.5.

CERTIFICATION OF DATA ACCURACY

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

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

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

Telephone No. _____ Fax No._____

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[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.