WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF AIR QUALITY 601 57 th Street, SE Charleston, WV 25304 (304) 926-0475 www.dep.wv.gov/dag	ENVIRONMENTAL PROTECTION DIVISION OF AIR QUALITY 601 57 th Street, SE Charleston, WV 25304 (304) 926-0475 www.dep.wv.gov/dag								
PLEASE CHECK ALL THAT APPLY TO NSR (45CSR13) (IF KNG CONSTRUCTION MODIFICATION RELOCATION CLASS I ADMINISTRATIVE UPDATE TEMPORARY CLASS II ADMINISTRATIVE UPDATE AFTER-THE-FA	PLEASE CHECK TYPE OF 45CSR30 (TITLE V) REVISION (IF ANY): □ ADMINISTRATIVE AMENDMENT ☑ MINOR MODIFICATION □ SIGNIFICANT MODIFICATION IF ANY BOX ABOVE IS CHECKED, INCLUDE TITLE V REVISION INFORMATION AS ATTACHMENT S TO THIS APPLICATION								
FOR TITLE V FACILITIES ONLY: Please refer to "Title V Revision Guidance" in order to determine your Title V Revision options (Appendix A, "Title V Permit Revision Flowchart") and ability to operate with the changes requested in this Permit Application. Section I. General									
 Name of applicant (as registered with the WV Secretar The Chemours Company FC, LLC 		2. Federal Employer ID No. <i>(FEIN):</i> 46-5626518							
3. Name of facility <i>(if different from above):</i> Washington Works Facility		4. The applicant is the:							
5A. Applicant's mailing address: Building 1, Washington Works Washington WV, 26181-1217	8	5B. Facility's present physical address: 3480 DuPont Road Washington, WV 26181							
 6. West Virginia Business Registration. Is the applicant If YES, provide a copy of the Certificate of Incorpora change amendments or other Business Registration C If NO, provide a copy of the Certificate of Authority// amendments or other Business Certificate as Attachments 	ation/Org Certificate Authority	ganization/Limite as Attachment A	d Partnership (one page) including any name						
7. If applicant is a subsidiary corporation, please provide the	he name	of parent corpora	tion:						
 8. Does the applicant own, lease, have an option to buy or otherwise have control of the <i>proposed site</i>? XES NO If YES, please explain: Owns site If NO, you are not eligible for a permit for this source. 									
	administratively updated or temporarily permitted (e.g., coal preparation plant, primary Classification System (NAICS)								
11A. DAQ Plant ID No. (for existing facilities only): 1 107-00182	asso	ociated with this p	13 and 45CSR30 (Title V) permit numbers rocess (for existing facilities only): 3223, R30-107-00182 Segment 2 of 14						
All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.									

12A.											
 For Modifications, Administrative Update present location of the facility from the new 	lates or Temporary permits at an existing facility earest state road;	, please provide directions to the									
 For Construction or Relocation permits road. Include a MAP as Attachment B. 	For Construction or Relocation permits , please provide directions to the <i>proposed new site location</i> from the nearest state road. Include a MAP as Attachment B .										
	I-77. Exit the Route 50 bypass at the last exit in V rely $\frac{1}{2}$ - $\frac{3}{4}$ mile. The main plant entrance will be vi										
12.B. New site address (if applicable):	12C. Nearest city or town:	12D. County:									
N/A	Parkersburg	Wood									
12.E. UTM Northing (KM): 4346.833 12F. UTM Easting (KM): 442.3767 12G. UTM Zone: 17S											
13. Briefly describe the proposed change(s) at the facility: This permit amendment is intended to remove certain equipment that are no longer in service or no longer emit regulated air pollutants. This amendment calls attention to permit references that must be changed; it also seeks to modify language regarding visible emission observations.											
 14A. Provide the date of anticipated installation or change: If this is an After-The-Fact permit application, provide the date upon which the proposed change did happen: various 14B. Date of anticipated Start-L a permit is granted: N/A 											
14C. Provide a Schedule of the planned Installation of/ Change to and Start-Up of each of the units proposed in this permit application as Attachment C (if more than one unit is involved).											
15. Provide maximum projected Operating S Hours Per Day 24 Days Per	Chedule of activity/activities outlined in this applicWeek 7Weeks Per Year52	pation:									
16. Is demolition or physical renovation at an	existing facility involved? YES NO										
	s subject to 112(r) of the 1990 CAAA, or will becor ov/ceppo), submit your Risk Management Plan (
	and State air pollution control regulations that you applicable requirements is also included in Attac										
(Title V Permit Revision Information). Discuss information as Attachment D.	applicability and proposed demonstration(s) of co	mpliance (if known). Provide this									
Section II. Addition	onal attachments and supporting o	locuments.									
 Include a check payable to WVDEP – Divis 45CSR13). 	sion of Air Quality with the appropriate applicatio	n fee (per 45CSR22 and									
20. Include a Table of Contents as the first p	bage of your application package.										
21. Provide a Plot Plan , e.g. scaled map(s) a source(s) is or is to be located as Attachr	and/or sketch (es) showing the location of the prop ment E (Refer to <i>Plot Plan Guidance</i>)	perty on which the stationary									
 Indicate the location of the nearest occupie 	ed structure (e.g. church, school, business, resider	nce).									
22. Provide a Detailed Process Flow Diagra device as Attachment F.	am(s) showing each proposed or modified emission	ons unit, emission point and control									

23. Provide a Process Description as Attachment G.

- Also describe and quantify to the extent possible all changes made to the facility since the last permit review (if applicable).

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

24. Provide Material Safety Data Sheets (MSDS) for all materials processed, used or produced as Attachment H.

For chemical processes, provide a MSDS for each compound emitted to the air.

25. Fill out the Emission Units Table and provide it as Attachment I.										
26. Fill out the Emission Points Data Summary Sheet (Table 1 and Table 2) and provide it as Attachment J.										
27. Fill out the Fugitive Emissions Data Summary Sheet and provide it as Attachment K.										
28. Check all applicable Emissions Unit Data Sheets listed below:										
Bulk Liquid Transfer Operations Haul Road Emissions Quarry										
Chemical Processes Hot Mix Asphalt Plant Solid Materials Sizing, Handling and Storage										
Concrete Batch Plant Incinerator Facilities										
Grey Iron and Steel Foundry										
General Emission Unit, specify										
Fill out and provide the Emissions Unit D	ata Sheet(s) as Attachment L.									
29. Check all applicable Air Pollution Control Device Sheets listed below:										
Absorption Systems	Baghouse	Flare								
Adsorption Systems	Condenser	Mechanical Collector								
	Electrostatic Precipitat	or 🗌 Wet Collecting System								
Other Collectors, specify	Other Collectors, specify									
Fill out and provide the Air Pollution Control Device Sheet(s) as Attachment M.										
 Provide all Supporting Emissions Calculations as Attachment N, or attach the calculations directly to the forms listed in Items 28 through 31. 										
	compliance with the proposed en	proposed monitoring, recordkeeping, reporting and nissions limits and operating parameters in this permit								
	y not be able to accept all measu	her or not the applicant chooses to propose such res proposed by the applicant. If none of these plans le them in the permit.								
32. Public Notice. At the time that the a	pplication is submitted, place a C	lass I Legal Advertisement in a newspaper of general								
circulation in the area where the source	ce is or will be located (See 45CS	SR§13-8.3 through 45CSR§13-8.5 and <i>Example Legal</i>								
Advertisement for details). Please s	ubmit the Affidavit of Publicatio	n as Attachment P immediately upon receipt.								
33. Business Confidentiality Claims.	Does this application include confi	dential information (per 45CSR31)?								
🖂 YES										
	ng the criteria under 45CSR§31-4	nitted as confidential and provide justification for each 1, and in accordance with the DAQ's <i>"Precautionary</i> Instructions as Attachment Q.								
Se	ction III. Certification o	f Information								
34. Authority/Delegation of Authority. Check applicable Authority Form be		ner than the responsible official signs the application.								
Authority of Corporation or Other Busin	ness Entity	Authority of Partnership								
Authority of Governmental Agency	-	Authority of Limited Partnership								
Submit completed and signed Authority F		· ·								
		ermitting Section of DAQ's website, or requested by phone.								

35A. **Certification of Information.** To certify this permit application, a Responsible Official (per 45CSR§13-2.22 and 45CSR§30-2.28) or Authorized Representative shall check the appropriate box and sign below.

Certification of Truth, Accuracy, and Completeness

I, the undersigned 🖾 Responsible Official / 🗋 Authorized Representative, hereby certify that all information contained in this application and any supporting documents appended hereto, is true, accurate, and complete based on information and belief after reasonable inquiry I further agree to assume responsibility for the construction, modification and/or relocation and operation of the stationary source described herein in accordance with this application and any amendments thereto, as well as the Department of Environmental Protection, Division of Air Quality permit issued in accordance with this application, along with all applicable rules and regulations of the West Virginia Division of Air Quality and W.Va. Code § 22-5-1 et seq. (State Air Pollution Control Act). If the business or agency changes its Responsible Official or Authorized Representative, the Director of the Division of Air Quality will be notified in writing within 30 days of the official change.

Compliance Certification

Except for requirements identified in the Title V Application for which compliance is not achieved, I, the undersigned hereby certify that, based on information and belief formed after reasonable inquiry, all air contaminant sources identified in this application are in compliance with all applicable requirements.

SIGNATURE Junt delase	DATE: May 22, 2015 (Please use blue ink)								
35B. Printed name of signee: Robert J. Fehre	nbacher	35C. Title: Plant Manager							
35D. E-mail: robert.j.fehrenbacher@chemours.com	36E. Phone: 304-863-4305	36F. FAX: 304-863-4962							
36A. Printed name of contact person (if differe	nt from above): David F. Altman	36B. Title: Sr. Env. Control Consult.							
36C. E-mail: david.f.altman@chemours.com	36D. Phone: 304-863-4271	36E. FAX: 304-863-4862							

Attachment A: Business Certificate	Attachment K: Fugitive Emissions Data Summary Sheet
🗹 Attachment B: Map(s)	Attachment L: Emissions Unit Data Sheet(s)
Attachment C: Installation and Start Up Schedule	Attachment M: Air Pollution Control Device Sheet(s)
Attachment D: Regulatory Discussion	Attachment N: Supporting Emissions Calculations
Attachment E: Plot Plan	Attachment O: Monitoring/Recordkeeping/Reporting/Testing Plans
Attachment F: Detailed Process Flow Diagram(s)	Attachment P: Public Notice
Attachment G: Process Description	🛛 Attachment Q: Business Confidential Claims
Attachment H: Material Safety Data Sheets (MSDS)	Attachment R: Authority Forms
Attachment I: Emission Units Table	Attachment S: Title V Permit Revision Information
Attachment J: Emission Points Data Summary Sheet	Application Fee

address listed on the first page of this application. Please DO NOT fax permit applications.

□ Forward 1 copy of the application to the Title V Permitting Group and:
For Title V Administrative Amendments:
□ NSR permit writer should notify Title V permit writer of draft permit,
□ For Title V Minor Modifications:
Title V permit writer should send appropriate notification to EPA and affected states within 5 days of receipt,
NSR permit writer should notify Title V permit writer of draft permit.
☐ For Title V Significant Modifications processed in parallel with NSR Permit revision:
NSR permit writer should notify a Title V permit writer of draft permit,
Public notice should reference both 45CSR13 and Title V permits,
EPA has 45 day review period of a draft permit.
All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

Attachment A

Business Certificate

WEST VIRGINIA STATE TAX DEPARTMENT

BUSINESS REGISTRATION

CERTIFICATE

ISSUED TO: THE CHEMOURS COMPANY FC, LL 8480 DUPONT RD WASHINGTON, WV 26181-8398

BUSINESS REGISTRATION ACCOUNT NUMBER:

This certificate is issued on:

2303-3963

This certificate is issued by the West Virginia State Tax Commissioner in accordance with Chapter 11, Article 12, of the West Virginia Code

The person or organization identified on this certificate is registered to conduct business in the State of West Virginia at the location above.

0/27/201

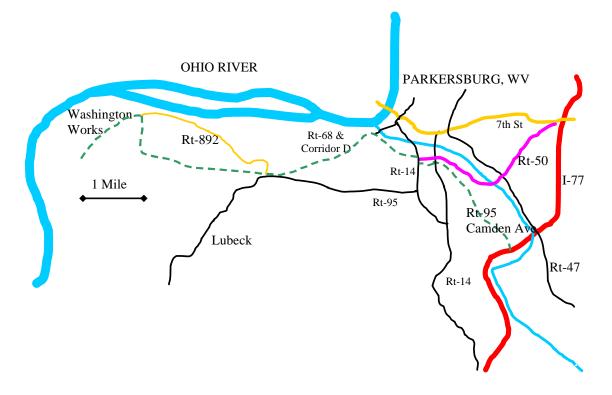
This certificate is not transferrable and must be displayed at the location for which issued This certificate shall be permanent until cessation of the business for which the certificate of registration was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new certificate shall be required.

TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them. CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS: Must have a copy of this certificate displayed at every job site within West Virginia.

atL006 v.4 L1658939968

ATTACHMENT B - Map to Facility



From Interstate 77, take exit for Rt-95/Camden Avenue. Proceed West until intersection with Rt-14 then turn right (north). After about 1/4 mile turn left onto Corridor D Bypass entrance. Follow the bypass to the exit just before the bridge Turn left (south) onto DuPont Rd, Rt-892. Proceed approx. 1 mile to facility on right.

Attachment D

Regulatory Discussion

Regulatory Discussion

The following regulations apply to this production unit: West Virginia Regulations 4, 7, 13, 21, 29, 30 and US EPA MACT Standards for the Miscellaneous Organic NESHAP.

RACT

45CSR21-40.3.c requires RACT analysis on a case by case basis for those VOC emissions greater than 6 pph which are constructed, modified, or begin operation after the date 45CSR 21 becomes effective. Permit R13-3223 requires RACT analysis for any increase in VOC from sources listed in R13-3223. No increase in VOCs or other air pollutant emissions are being requested within this application.

This class II permit amendment application is being filed under 45CSR13 for the following reasons:

45 CSR 7 – Compliance condition modification request – Condition 4.2.2.:

In the current permit the requirement for monitoring for particulate matter, found in permit condition 4.2.2. which requires *"For emission points C2DKE, C2EGE, and C2EUE monitoring shall be conducted at last once per month with a maximum of forty-five (45) days between consecutive readings".* Chemours has experienced a significant issue with the interpretation of the condition such that we consistently perform the observations as required. The additional text that sets the 45 day maximum interval has been seen, despite educational efforts, to mean that there is up to a 45 day period after the last reading to take the next reading. Chemours is requesting that the compliance condition be simplified to require a monthly visual observation for visible particulate emissions. The elimination of the perceived conflicting 45 day period will enable Chemours personnel to ensure the readings are performed at the correct interval and that focus can be given to the Operations personnel to ensure the reading is always taken early in the operational month before production schedule or challenges alter the operational timing and cause a missed reading. The suggested limited text change from above is to *"For emission points C2DKE, C2EGE, and C2EUE monitoring shall be conducted at least once per month."*

Condition 4.2.3. currently also makes references to the 45-day maximum time period between visible emission monitoring. We propose removing the last two sentences of the condition, and simply replacing them with the following language: *"Equipment listed in Table 4.2.3. shall be monitored monthly as required in condition 4.2.2. or during the next available operating period – whichever comes first."*

Additionally, other Reg.13 and Title V language requests are being made to clean up both permits with the submission of the Title V permit renewal application for R30-10700182.

PSD

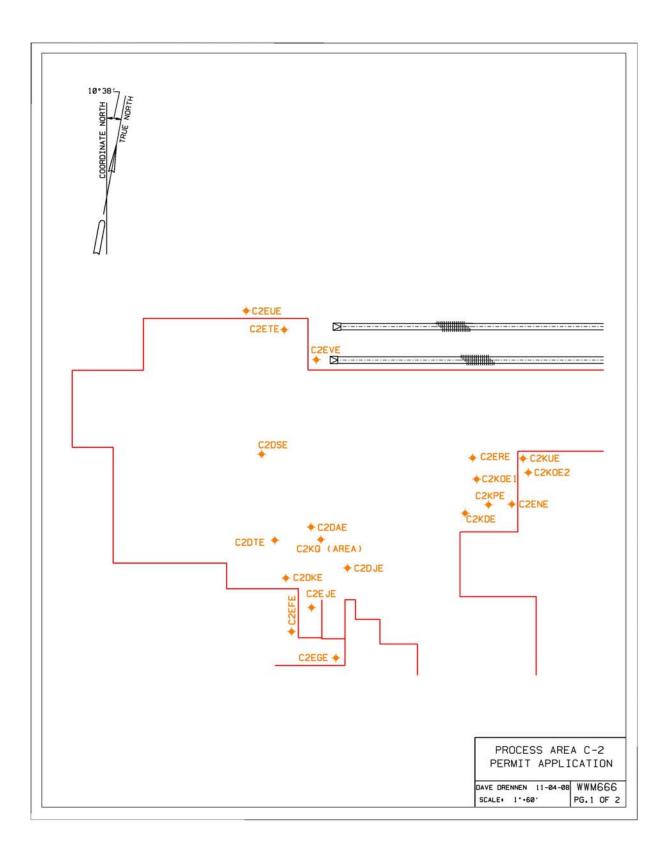
As of January 2, 2011, pursuant to actions taken by the USEPA, Greenhouse Gases (GHGs) became a regulated pollutant under the major NSR program. As such, an evaluation must be done for any increase in GHG emissions resulting from construction or modification to determine PSD applicability per 40 CFR 52.21. There are no new emissions of components listed in table A-1 of 40 CFR 98.2 therefore PSD for GHG does not apply.

The changes proposed in this Class II Administrative update R13-1953l include:

- Remove Emission Unit IDs C2EQ and C2KQ from condition 1.0, which lists Emission Units. C2EQ is now covered as a source under application R13-2365F. C2KQ no longer emits a regulated air pollutant, but such pollutants are covered by source C2EC which exhausts to emission point C2DAE; no increase in emissions is needed or requested.
- 2. Revise condition 2.4.2. to say: *"this permit supercedes and replaces previously issued Permit R13-1953H."*
- 3. Include within condition 2.5.1. a reference to Permit Application R13-1953I.
- 4. Remove references to Source ID C2EQ and Emission Point ID C2EQE from Tables 4.1.1., 4.1.2. and 4.1.3., as these are now covered under permit application R13-2365F.
- 5. Remove references to Emission Point ID C2EQE from permit conditions 4.1.11., 4.1.12. and 4.1.14.
- Replace reference to Air Quality permit R13-2617 in permit condition 4.1.21. of the permit with a reference to Air Quality permit R13-3223, which supersedes R13-2617 for The Chemours Company.
- 7. See comment in Regulatory Discussion section above regarding changes to conditions 4.2.2. and 4.2.3.
- 8. Remove Control Device ID C2EQC and corresponding information from Table 4.2.4. on page 18 of the permit.
- 9. Remove the several references to Source ID C2EQ, Control Device ID C2EQC and Emission Point ID C2EQE from the Tables in Attachments A through D in Appendix A of the permit.

Attachment E

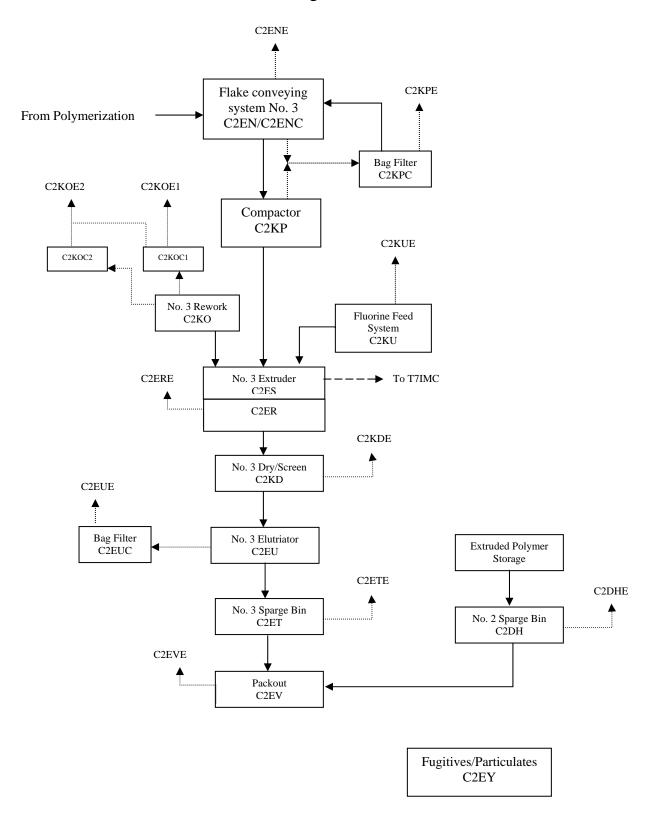
Plot Plan



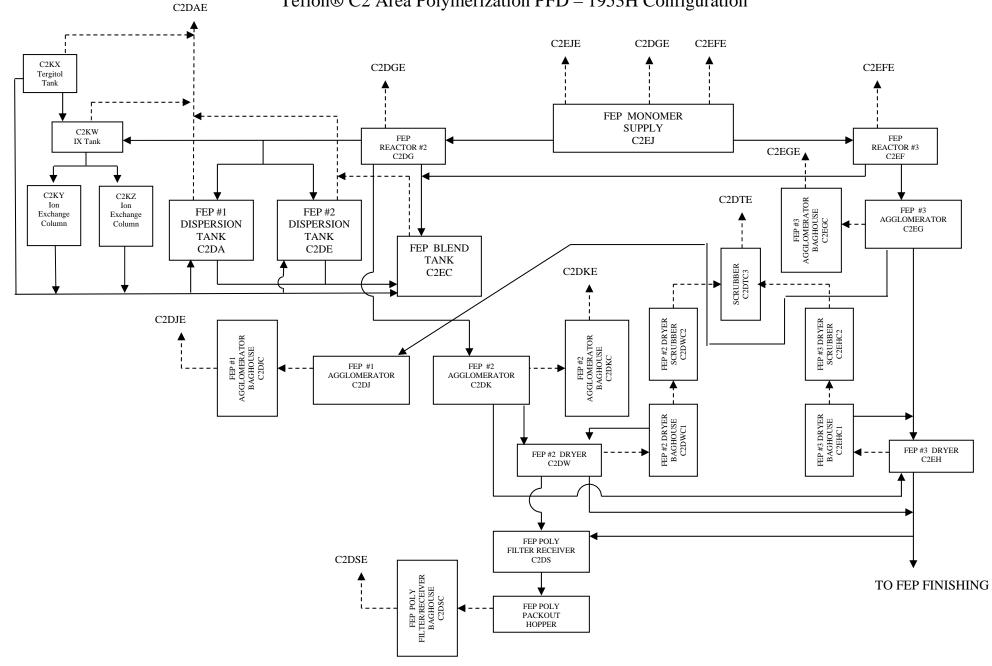
Attachment F

Detailed Process Flow Diagrams

Teflon® C2 Area Finishing PFD – 1953H



Teflon® C2 Area Polymerization PFD – 1953H Configuration



Attachment G

Process Description

C2 Area Manufacturing

The C2 Area manufactures fluoropolymer resins by pre-charging fluoromonomers into reactors along with demineralized water. Aqueous solutions of catalyst salts are then pumped into the reactors to initiate polymerization. Additional fluoromonomers are fed into the reactors as the reaction proceeds. Unreacted fluoromonomers are vented to recycling facilities at the end of the reaction. The remaining fluoropolymer and water slurry is pumped to agglomerators that mechanically separate the fluoropolymer from the water. Alternatively, the reactor output may be sent to facilities which concentrate the dispersion to higher solids and package the dispersion for sale. From the agglomerators, the polymer is conveyed to devices where water and other low boiling compounds are removed prior to extrusion. The polymer is then converted to pellets via an extrusion process. The pellets are hot air sparged to remove additional traces of miscellaneous volatile fluorocarbons, elutriated to remove traces of polymer fines and packaged for distribution.

Attachment I

Equipment List Form

Type Change,			Emissions Unit (Source)	Air Pollu	ition Control Device	Emission Point			
if any (New, Modification, or Removal)	Date of Change	ID No.	Source	ID No.	Device Type	ID No.	Emission Type		
No Change	Sep-09	C2DA	#1 Dispersion Tank			C2DAE	Upward vertical stack		
No Change	Sep-09	C2DE	#2 Dispersion Tank			C2DAE	Upward vertical stack		
No Change	Sep-09	C2DG	#2 Polykettle			C2EJE	Upward vertical stack		
No Change	Jul-12	C2DH	FEP #2 SPARGE BIN			C2DHE	Upward vertical stack		
No Change	Jul-12	C2DJ	#1 Coagulator Tank	C2DJC	Bagfilter	C2DJE	Upward vertical stack		
No Change	Jul-12	C2DK	#2 Coagulator Tank	C2DKC	Bagfilter	C2DKE	Upward vertical stack		
No Change	N/A	C2DS	Flake Conveying Lines for Lines 2 & 3	C2DSC	Bagfilter	C2DSE	Upward vertical stack		
No Change	Jul-12		FEP #2 Torus Disc Dryer	C2DWC1/ C2DWC2/ C2DTC3	Bagfilter/Scrubber/DBS	C2DTE	Upward vertical stack		
No Change	Sep-09		FEP Blend Tank			C2DAE	Upward vertical stack		
No Change	Jul-12		#3 Polykettle			C2EFE	Upward vertical stack		
No Change	Jul-12	C2EG	#3 Coagulator Tank	C2EGC	Bagfilter	C2EGE	Upward vertical stack		
No Change	Jul-12	C2EH	FEP #3 Torus Disc Dryer	C2EHC1/ C2EHC2/ C2DTC3	Bagfilter/Scrubber/DBS	C2DTE	Upward vertical stack		
No Change	N/A	C2EJ	Monomers Supply System			C2EJE, C2EFE	Upward vertical stack		
No Change	Jul-12	C2EN	FEP NO 3 FLAKE Conveying Line to Compactor	C2ENC	Bagfilter	C2ENE	Upward vertical stack		
Removal	Jul-12	C2EQ	Copoly Burn Out Oven	C2EQC	Scrubber	C2EQE	Upward vertical stack		
No Change	Jul-12	C2ER	FEP No3 Extruder Die			C2ERE	Upward vertical stack		
No Change	Jul-12	C2ES	FEP Line 3 Twin Screw Ext.			T7IME	TC		
No Change	Jul-12	C2ET	FEP NO 3 SPARGER			C2ETE	Upward vertical stack		
No Change	N/A	C2EU	FEP NO3 ELUTRIATOR	C2EUC	Bagfilter	C2EUE	Upward vertical stack		
No Change	N/A	C2EV	FEP PACKOUT			C2EVE	Upward vertical stack		
No Change	N/A	C2EZ	L3 Aborted Batch Trailer / Tergitol unloading			N/A - Insi	gnificant List		
No Change	Jul-12	C2KD	No. 3 Gala Dryer			C2KDE	Upward vertical stack		

Type Change,			Emissions Unit (Source)	Air Pollu	ition Control Device	Emission Point			
if any (New, Modification, or Removal)	Date of Change	ID No.	Source	ID No.	Device Type	ID No.	Emission Type		
				C2KOC1/		C2KOE1			
No Change	Jul-12	C2KO	Rework of Unsparged/Sparged Cubes for Line 3	C2KOC2	Bagfilter	C2KOE2	Upward vertical stack		
No Change	Jul-12	C2KP	Line 3 Flake Compactor	C2KPC		C2KPE	Upward vertical stack		
Removal	N/A	C2KQ	Supernate Sump			Area			
No Change	N/A	C2KU	Fluorination Feed System			C2KUE	Upward vertical stack		
No Change	Sep-09	C2KW	FEP Feed Tank			C2DAE	Upward vertical stack		
No Change	N/A	C2KX	Tergitol Storage Tank			C2DAE	Upward vertical stack		

Attachment J Emission Points Data Summary Sheets

Emission	Source	(s) Vented	Air Polutio	n Control	Vent Time	e for Source	All Regulated	Maximu	um Potential	Maximu	m Potential	Emission					Exit Gas					
point ID		This Point ¹	Device (Mu	ust match			Pollutants-			Com	trolled	Form or										
No. (Must match		t match nt List Form	Equipment	: List Form			Chemical			CON	trolled	Phase (At exit							Emissic	n Point		
Equipment	and P	Plot plan)	and Plo			rocesses Only)	Name/CAS ²		led Emissions ^{3a}		sions ^{4a}	conditions,							Eleva		UTM Coord	
List Form	ID No.	Source	ID No.	Device	Short Term	Max (Hr/Yr)	(Speciate VOCs &	Lb/Hr	Ton/Yr	Lb/Hr	Ton/yr	Solid, Liquid,	Est.	Emission	Inner	Temp.	Volumetric	Velocity	Ground	Stack	Northing	Easting
and Plot plan)				Туре			HAPS)					or Gas/Vapor)	Method Used ⁵	Concentration ⁶ (PPMV or Mg/M ³)	Diameter (Ft.)	(F)	flow ⁷ (acfm)	(fps)	Level	Height ⁸		
Area	C2EE-	Vinyl Ether	None	туре			VOC	0.01	0.01	0.01	0.01	Gas	oscu		(1 6.)	(1)	(aciiii)	(1)(1)	Level	Tieigitt	4346772.00	441974.00
C2EJE	Area C2EJ,	Supply Reactor	None		Various,	Various,	VOC	107.2	3.60	107.2	3.60	Gas		72610	0.5	330	107	76	630	120	4346772	441974
					including	including both				-							-					-
					both process	process and																
					and maintenance	maintenance																
	C2DG				emission	emission																
							HCI	0.003	0.001	0.003	0.001	Gas		2.21								
							Toluene	0.003	0.002	0.003	0.002	Gas		0.80								
							Acetonitrile	0.002	0.002	0.002	0.002	Gas		0.97								
							ODC	0.28	0.01	0.28	0.01	Gas		3650								
							Non-regulated	0.79	0.01	0.79	0.01	Gas		275								
C2EFE	C2EJ,	Reactor	None		Various,	Various,	VOC	75.10	7.51	75.100	7.51	Gas		62370	0.17	175	108	77	630	53.5	4346772	441974
					inclduing	inclduing both																
					both process	process and																
					and maintenance	maintenance																
	C2EF				emission	emission																
							HCI	0.003	0.001	0.003	0.001	Gas		2.21								
							Toluene	0.003	0.003	0.003	0.003	Gas		0.60								
							Acetonitrile	0.003	0.004	0.003	0.004	Gas		0.97								
							ODC	0.28	0.01	0.28	0.01	Gas		2473								
							Non-regulated	0.79	0.01	0.79	0.01	Gas		187.09								
C2DKE	C2DK	Tank	C2DKC	Bagfilter	Continuous	Up to 8760 hr	VOC	6.30	5.51	6.30	5.51	Gas		120	0.83	70	1502	46.3	694.3	64.3	4346772	441974
							PM10	5.20	4.55	0.01	0.01	s		0.09								
C2EGE	C2EG	Tank	C2EGC	Bagfilter	Continuous	Up to 8760 hr	VOC	9.40	11.60	9.40	11.60	Gas		178.00							4346772	441974
							PM10	7.70	8.43	0.01	0.01	s		0.14	0.5	175	187	15.9	670.5	40.5		
C2DAE	C2DA, C2DE,	Tanks	None		Continuous	Up to 8760 hr	VOC	11.90	2.10	11.90	2.10	Gas		498							4346772	441974
1	C2EC,																					
1	C2KW,																					
1	C2KX						Non-regulated	1.50	2.15	1.50	2.15	Gas		703.25	0.33	80	500	97.5	669	39		
1							Non regulated	1.50	2.15	1.50	2.15	Gus		705.25								
C2DTE			C2DW/TC1/	Bagfilter/	Continuous	Up to 8760 hr	APFO	15.08	32.75	0.46	0.99	S		0.649	1	31-121	1200-3000	25.5-64	630	100	4346758	441941
CZDIL	0.05		C2DW1C1/	bagintel/	continuous	5p to 6700 m	Ario	13.00	32.75	0.40	0.55	5		0.049	+	51-151	1200-3000	23.5-04	050	100	-340730	441341
1	C2DW, C2EH	Dryers	C2EHC1/C2	Scrubber/																		
	02211		EHC2,																			
			C2DTC3	DBS			PM10	290.57	633.83	0.48	1.03	s		1.50								
							VOC	1.10	2.75	1.10	2.75	Gas		0.98								
C2DSE	C2DS	Convovina	C2DSC	Ragfilto-	Continuous	Up to 8760 hr	PM10	800	8.63	0.08	0.01	s		0.16							4346772	441974
CZUSE	CZDS	Conveying	LZDSC	Bagfilter	Continuous	op to 8760 hr	PIVITO	800	8.63	0.08	0.01	5		0.16	0.66	158	2220	107.2	701	71	4340//2	441974

C2ENE	C2EN	Conveying	C2ENC	Bagfilter	Continuous	Up to 8760 hr	PM10	4000	11000	0.40	1.1	S		232.15	1			l i			4346772	441974
		, ,		Ũ		•									0.33	100	460	90	740	110		
C2KPE	C2KP	Compactor	C2KPC	Bagfilter	Continuous	Up to 8760 hr	PM10	1000	1100	0.10	0.11	Solid		4.53		_					4346772	441974
001/11/5								0.454		0.454		-			1.03	Amb	2355	47		110		
C2KUE	C2KU	Material Supply	None		Continuous	Up to 8760 hr	Fluorides	0.151	0.003	0.151	0.003	Gas		2.65	1.12	Amb	9800	166	754	124		
T7IME	C2ES	Extruder	T7IME	Thermal	Continuous	Up to 8760 hr	HF	0.280	0.8	See B	13-1823	Gas										
														See latest permit a	polication f	or D12 10	22 for stack	dotaile				
				converter			CrF ₃	0.016	0.05	See R	13-1823	Solid		See latest permit a	phication	JI K15-10	25 IUI SLOCK	uetans				
							PM10	10.16	27.9		13-1823	Gas										
							Fluorides	7.60	21.0		13-1823	Gas										
							Non-regulated	75.44	207.80	See R	13-1823	Gas										
C2ERE	C2ER	Extruder	None		Continuous	Up to 8760 hr	VOC	4.00	10.50	4.00	10.50	Gas		24.80							4346772	441974
															3.5X3	80	18000	29	686	56		
							HF	0.036	0.125	0.036	0.125	Gas		0.67								
							PM10	1.00	2.73	1.00	2.73	Gas		14.70								
							Non-regulated	050	1.67	050	1.67	Gas		0.75								
							Non regulated	050	1.07	050	1.07	005		0.75								
C2KDE	C2KD	Dryer	None		Continuous	Up to 8760 hr	VOC	0.18	0.56	0.18	0.56	Gas		5.00			4500	22	667	27	4346772	441974
							HF	0.060	0.180	0.060	0.180	Gas		12.54	1	80	1500	32	667	37		
C2EUE	C2EU		025110	Deefilter	Canting	11- to 0700 hr	PM10	4.00	11.00	0.000	0.180			0.10							4346772	441974
CZEUE	CZEU		C2EUC	Bagfilter	Continuous	Up to 8760 hr	PIMIO	4.00	11.00	0.01	0.01	s		0.10							4346772	441974
															0.833	100	1410	43	665.5	35.5		
C2DHE	C2DH	Bin	None		Continuous	Up to 8760 hr	VOC	3.25	0.13	3.25	0.13	Gas		348.00							4346772	441974
							HF	0.016	0.010	0.016	0.010	Gas		13.60	0.5	356	585	50	727.5	97.5		
								0.010	0.010	0.010	0.010	045		10.00								
C2ETE	C2ET	Bin	None		Continuous	Up to 8760 hr	VOC	3.25	11.16	3.25	11.16	Gas		245.00							4346772	441974
												_			0.5	356	430	50	727.5	97.5		
C2EVE	C2EV	Dealarat	None		Canting	Up to 8760 hr	HF VOC ^b	0.016 67.69	0.060	0.016 67.69	0.060	Gas		9.60	0.67	00	800	38	620	17	4346772	441974
CZEVE	CZEV	Packout	None		Continuous	Up to 8760 nr	VOC	52.674	0.33	52.674	0.33	Gas Gas		Trace Trace	0.67	80	800	38	630	17	4346772	441974
							Butanone ^b	52.074	0.235	32.074	0.235	Gas		Hate								
							Di_sec_octyl_phthalate	0.299	0.002	0.299	0.002	Gas		Trace								
							MeOH ^b	0.467	0.003	0.467	0.003	Gas		Trace								
							Chromium III Compound	0.299	0.0001	0.299	0.0001	Gas		Trace								
C2KOE1	C2KO	Rework	C2KOC1	Bagfilter	As needed		VOC	0.05	0.04	0.05	0.04	Gas		0.24							4346772	441974
		System								1					0.33	100	170	33	680.75	50.75		
							HF	0.013	0.012	0.013	0.012	Gas		5.41								
00//05-	COKC		001/0 67	a (1)			21.1	0.01			0.04			<u> </u>		100	470		600.75	50.75	10.10777	
C2KOE2	C2KO	Rework System	C2KOC2	Bagfilter	As needed		PM	0.01	0.01	0.01	0.01	S		Trace	0.33	100	170	33.1436	680.75	50.75	4346772	441974
	1	System		1	1					1		1	1	1	L			I.				

The EMISSION POINTS DATA SUMMARY SHEET provides a summation of emissions by emission unit. Note that uncaptured process emission unit emissions are not typically considered to be fugitive and must be accounted for on the appropriate EMISSIONS UNIT DATA S¹ Indicate by "C" if venting is continuous. Otherwise, specify the average short-term venting rate with units, for intermittent venting (ie., 15 min/hr). Indicate as many rates as needed to clarify frequency of venting (e.g., 5 min/day, 2 days/wk).

² List all regulated air pollutants. Speciate VOCs, including all HAPs. Follow chemical name with Chemical Abstracts Service (CAS) number. LIST Acids, CO, CS2, VOCs, H2S, Inorganics, Ca, NO, NO2, SO2, SO3, etc. DO NOT LIST CO2, H2, H2O

³ Give maximum potential emission rate with no control equipment operating. If emissions occur for less than 1 hr, then record emissions per batch in minutes (e.g. 5 lb VOC/20 minute batch).

⁴ Give maximum potential emission rate with proposed control equipment operating. If emissions occur for less than 1 hr, then record emissions per batch in minutes (e.g. 5 lb VOC/20 minute batch).

⁵ Indicate method used to determine emission rate as follows: MB = material balance; ST = stack test (give date of test); EE = engineering estimate; O = other (specify).

⁶ For gasses, the units are ppmv. For particulate the units are mg/m^3.

⁷ Give at operating conditions. Include inerts.

⁸ Release height of emissions above ground level.

a The hourly number is the largest of the sources feeding the stack, not the sum. The yearly number reflects the total of all sources.

b Monthly emissions, not hourly

Note - 1953H modifications only for equipment that is *italicized and underlined*

Attachment P

Public Notice

Attachment P – Public Notice

AIR QUALITY PERMIT NOTICE Notice of Application

Notice is given that The Chemours Company FC, LLC, has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a Class II Administrative Update for a plastic polymerization facility located on 8480 DuPont Road near Parkersburg in Wood County, West Virginia. The coordinates are: Latitude <u>39.27062</u> and Longitude <u>-81.67098</u>.

The applicant is decreasing the potential to discharge the following regulated air pollutants: VOCs by 0.18 tons/yr; Particulate Matter by 0.01 tons/yr, Hydrogen Fluoride by 0.01 tons/year and CO by 0.01 tons/yr. No physical changes to the existing operations are planned. However, some language changes, permit references and removal of two air pollutant sources from the permit are proposed.

Written comments will be received by the West Virginia Department of Environmental Protection, Division of Air Quality, 601 57th Street, SE, Charleston, WV 25304, for at least 30 calendar days from the date of publication of this notice.

Any questions regarding this permit application should be directed to the DAQ at (304) 926-0499, extension 1227, during normal business hours.

Dated this the <u>_22st_</u> day of May, 2015.

By: The Chemours Company FC, LLC Robert J. Fehrenbacher Plant Manager 8480 DuPont Road Washington, WV 26181-1217 Attachment S

Title V Permit Revision Information

Attachment S Title V Permit Revision Information

1. New Applicable Requirements Summary							
Mark all applicable requirements associated with the changes involved with this permit revision.							
SIP	☐ FIP						
Minor source NSR (45CSR13)	□ PSD (45CSR14)						
□ NESHAP (45CSR15)	Nonattainment NSR (45CSR19)						
Section 111 NSPS (Subpart)	Section 112(d) MACT standards						
Section 112(g) Case-by-case MACT	112(r) RMP						
Section 112(i) Early reduction of HAP	Consumer/commercial prod. reqts., section 183(e)						
Section 129 Standards/Reqts.	Stratospheric ozone (Title VI)						
Tank vessel reqt., section 183(f)	Emissions cap 45CSR§30-2.6.1						
NAAQS, increments or visibility (temp. sources)	45CSR27 State enforceable only rule						
45CSR4 State enforceable only rule	Acid Rain (Title IV, 45CSR33)						
Emissions Trading and Banking (45CSR28)	Compliance Assurance Monitoring (40CFR64) ⁽¹⁾						
NO _x Budget Trading Program Non-EGUs (45CSR1)	□ NO _x Budget Trading Program EGUs (45CSR26)						
(1) If this have is sharked places include Compliance Assurance Man	itaning (CAM) Form(a)* for each Dollutanta Specific Emission Unit						

⁽¹⁾ If this box is checked, please include **Compliance Assurance Monitoring (CAM) Form(s)*** for each Pollutants Specific Emission Unit (PSEU).

2. Non Applicability Determinations

List all requirements, which the source has determined to be not applicable to this permit revision and for which a permit shield is requested. The listing shall also include the rule citation and the rationale for the determination.

The proposed changes do not trigger any new applicable requirements nor do they invalidate any previous non-applicability determinations.

Permit Shield

Permit Shield is Requested (not applicable to Minor Modifications)

3. Change in Potential Emissi	ions	
Pollutant	Change in Potential Emissions (+ or -), lb/hr	Change in Potential Emissions (+ or -), TPY
VOC	-0.60	-0.18
Hydrogen Fluoride	-0.01	-0.01
PM10	-0.01	-0.01
СО	-0.01	-0.01

NSR Permit and/or Consent Order Number	Date of Issuance	NSR Permit / Consent Order Condition Number
R13-1953H	8/31/2012	See Attachment D – Regulatory Discussion for details.
R30-10700182-2010	12/8/2014	See attached table below.
R13-3223	12/8/2014	4.1.21. of R13-1953H
5. Inactive Permits / Obsolete Permit or Obso	lete Consent Order(s)	Conditions Associated With This Permit Revision
NSR Permit and/or Consent Order Number	Date of Issuance	NSR Permit / Consent Order Condition Number
TOTE Former and of Consent Order Funder		
R13-2617		

6. Suggested Title V Draft Permit Language

Are there any changes involved with this Title V Permit revision outside of the scope of the NSR Permit revision? 🖾 Yes 🗌 No

If Yes, describe the changes below. Also, please provide suggested Title V Draft Permit language for these changes (including all applicable requirements and any monitoring /recordkeeping/ reporting requirements associated with the changes), or attach a marked up pages of current Title V Permit. Please include appropriate citations for those requirements being added / revised.

Proposed changes are listed in the attached table. The portion outside the scope of this NSR permit revision are references to 40 CFR 63 Subpart DDDDD, otherwise known as the Federal Boiler and Process Heater MACT.

R30-10700182	Table 5.1.1.	Remove line item for Emission Point ID C2EQE, since the source, its control device and emission point are being transferred under permit application R13-2365F.
R30-10700182	5.1.1.	Remove two references to Emission Point ID C2EQE from the last sentence of the condition.
R30-10700182	Table 5.1.2.	Remove line item for Emission Point ID C2EQE, since the source, its control device and emission point are being transferred under permit application R13-2365F.
R30-10700182	Table 5.1.3.	Remove line item for Emission Point ID C2EQE, since the source, its control device and emission point are being transferred under permit application R13-2365F.
R30-10700182	5.1.8.	Remove reference to Emission Point ID C2EQE.
R30-10700182	5.1.9.	Remove reference to Emission Point ID C2EQE.
R30-10700182	5.2.2.	In the current permit the requirement for monitoring for particulate matter, found in permit condition 5.2.2. which requires " <i>For emission points C2DKE, C2EGE, and C2EUE monitoring shall be conducted at last once per month with a maximum of forty-five (45) days between consecutive readings</i> ". Chemours has experienced a significant issue with the interpretation of the condition such that we consistently perform the observations as required. The additional text that sets the 45 day maximum interval has been seen, despite educational efforts, to mean that there is up to a 45 day period after the last reading to take the next reading. Chemours is requesting that the compliance condition be simplified to require a monthly visual observation for visible particulate emissions. The elimination of the perceived conflicting 45 day period will enable Chemours personnel to ensure the readings are performed at the correct interval and that focus can be given to the Operations personnel to ensure the reading is always taken early in the operational month before production schedule or challenges alter the operational timing and cause a missed reading. The suggested limited text change from above is to " <i>For emission points C2DKE, C2EGE, and C2EUE monitoring shall be conducted at least once per month</i> ."
R30-10700182	5.2.3.	Condition 5.2.3. currently also makes references to the 45-day maximum time period between visible emission monitoring. We propose removing the last two sentences of the condition, and simply replacing them with the following language: "Equipment listed in Table 5.2.3. shall be monitored monthly as required in condition 5.2.2. or during the next available operating period – whichever comes first."
R30-10700182	5.2.4.	Remove line item for Control Device ID C2EQC, since the source, its control device and emission point are being transferred under permit application R13-2365F.
R30-10700182	Appendix B, Attachments A through D	Remove the several references to Source ID C2EQ, Control Device ID C2EQC and Emission Point ID C2EQE from the Tables in Attachments A through D in Appendix A of the permit. Also remove references to Emission Point ID Area and Source ID C2KQ, since this equipment no longer emits a regulated air pollutant.

	This certification must be signed by a responsible official. Minor Modification applications without a signed certification will be returned as incomplete. The criteria for allowing the use of Minor Modification Procedures are as follows:
i.	Proposed changes do not violate any applicable requirement;
ii.	Proposed changes do not involve significant changes to existing monitoring, reporting, or recordkeeping
iii.	requirements in the permit; Proposed changes do not require or change a case-by-case determination of an emission limitation or other
	standard, or a source-specific determination for temporary sources of ambient air quality impacts, or a visibility
	increment analysis;
iv.	Proposed changes do not seek to establish or change a permit term or condition for which there is no underlying
	applicable requirement and which permit or condition has been used to avoid an applicable requirement to which
	the source would otherwise be subject (synthetic minor). Such terms and conditions include, but are not limited to
	a federally enforceable emissions cap used to avoid classification as a modification under any provision of Title I
	or any alternative emissions limit approved pursuant to regulations promulgated under § 112(j)(5) of the Clean Air
v.	Act; Proposed changes do not involve preconstruction review under Title I of the Clean Air Act or 45CSR14 and
v.	45CSR19;
vi.	Proposed changes are not required under any rule of the Director to be processed as a significant modification;
or permit m approaches, to are approved	ing subparagraph 6.5.a.1.A. of 45CSR30 (items i through vi above), minor permit modification procedures may be used odifications involving the use of economic incentives, marketable permits, emissions trading, and other similar to the extent that such minor permit modification procedures are explicitly provided for in rules of the Director which by the U.S. EPA as a part of the State Implementation Plan under the Clean Air Act, or which may be otherwise n the Title V operating permit issued under this rule.
or permit m approaches, to are approved provided for i Pursuant to	odifications involving the use of economic incentives, marketable permits, emissions trading, and other similar to the extent that such minor permit modification procedures are explicitly provided for in rules of the Director which by the U.S. EPA as a part of the State Implementation Plan under the Clean Air Act, or which may be otherwise in the Title V operating permit issued under this rule. Section 6.5.a.2.C of 45CSR30, the proposed modification contained herein meets the criteria for use of Min
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* All of the required forms and additional information can be found and downloaded from DAQ's Permitting Section site www.wvdep.org/daq, requested by phone (304) 926-0475, and/or obtained through the mail.