

Virginia Title V Operating Permit

Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Celanese Acetate, LLC.	Registration	20304
Facility Name:	Celanese Acetate, Celco Plant	AIRS Number:	51-071-0004
Facility Location:	Route 460, 4 miles East of Narrows, Virginia Giles County, Virginia	Permit Number:	VA-20304

June 30, 2003
Expiration Date

June 30, 2008
Expiration Date

For Robert Burnley
Director, Department of Environmental Quality

March 12, 2003, amended on July 18, 2003, and April 16, 2004
Signature Date

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I. Facility Information

A. Facility Overview

Permittee

Celanese Acetate
PO Box 1000, Route 460
Narrows, Virginia 24124

Responsible Official

Rebecca Humelsine
Plant Manager

Facility

Celanese Acetate, Celco Plant
Route 460, 4 miles East of Narrows, VA
Giles County, Virginia

Contact Person

Greg Twait
Environmental Engineer
(540) 921-6551

Registration Number: 20304

AIRS Identification Number: 51-071-0004

Facility Description:**SIC Code 2821 – Plastics Materials, Synthetic Resins, and Nonvulcanizable Elastomers**

Establishments primarily engaged in manufacturing synthetic resins, plastics materials, and nonvulcanizable elastomers. Important products of this industry include: cellulose plastics materials; phenolic and other tar acid resins; urea and melamine resins; vinyl resins; styrene resins; alkyd resins; acrylic resins; polyethylene resins; polypropylene resins; rosin modified resins; coumarone-indene and petroleum polymer resins; miscellaneous resins, including polyamide resins, silicones, polyisobutylenes, polyesters, polycarbonate resins, acetal resins, and fluorohydrocarbon resins; and casein plastics.

SIC Code 2823 – Cellulosic Manmade Fibers

Establishments primarily engaged in manufacturing cellulosic fibers (including cellulose acetate and regenerated cellulose such as rayon by the viscose or cuprammonium process) in the form of monofilament, yarn, staple, or tow suitable for further manufacturing on spindles, looms, knitting machines, or other textile processing equipment.

SIC Code 2869 – Industrial Organic Chemicals, Not Elsewhere Classified

Establishments primarily engaged in manufacturing industrial organic chemicals, not elsewhere classified. Important products of this industry include: (1) aliphatic and other acyclic organic chemicals, such as ethylene, butylene, and butadiene; acetic, chloroacetic, adipic, formic, oxalic, and tartaric acids and their metallic salts; chloral, formaldehyde, and methylamine; (2) solvents, such as amyl, butyl, and ethyl alcohols; methanol; amyl, butyl, and ethyl acetates; ethyl ether, ethylene glycol ether, and diethylene glycol ether; acetone, carbon disulfide and chlorinated solvents, such as carbon tetrachloride, perchloroethylene, and trichloroethylene; (3) polyhydric alcohols, such as ethylene glycol, sorbitol,

pentaerythritol, synthetic glycerin; (4) synthetic perfume and flavoring materials, such as coumarin, methyl salicylate, saccharin, citral, citronellal, synthetic geraniol, ionone, terpineol, and synthetic vanillin; (5) rubber processing chemicals, such as accelerators and antioxidants, both cyclic and acyclic; (6) plasticizers, both cyclic and acyclic, such as esters of phosphoric acid, phthalic anhydride, adipic acid, lauric acid, oleic acid, sebacic acid, and stearic acid; (7) synthetic tanning agents, such as naphthalene sulfonic acid condensates; (8) chemical warfare gases; and (9) esters, amines, etc., of polyhydric alcohols and fatty and other acids.

SIC Code 3471 – Electroplating, Plating, Polishing, Anodizing, and Coloring

Establishments primarily engaged in all types of electroplating, plating, anodizing, coloring, and finishing of metals and formed products for the trade. Also included in this industry are establishments that perform these types of activities, on their own account, on purchased metals or formed products.

The facility primarily manufactures cellulose acetate (CA) flake and fiber (SIC codes 2821 & 2823). Acetic acid is recovered during CA production and a portion is converted to acetic anhydride for internal process use (SIC code 2869). Extrusion jets are also produced on-site to support the extrusion process associated with CA manufacturing. The extrusion jet manufacturing process includes electroplating operations (SIC code 3471).

CA is produced using acetic acid and cellulose (wood pulp) as raw materials. Wood pulp is (1) shredded in attrition mills, (2) pretreated with acetic acid and then (3) mixed in acetyler reactors with crystallized A-mix (a solution of acetic acid and acetic anhydride). The reactor effluent is neutralized with magnesium acetate and heated in the ripeners to produce acid dope. The acid dope is precipitated, hardened, washed and dried to produce CA flake. The extrusion complex dissolves the CA flake in acetone to produce dope, which is extruded through jets to produce CA filament for further processing.

The facility is a Title V major source of PM₁₀, CO, SO₂, NO_x, VOC and Total HAPs. This source is located in an attainment area for all pollutants, and is a PSD major source. The facility was previously permitted under several minor NSR permits and includes existing “grandfathered” equipment.

The interpretation on the date of reissuance of this permit is that Celco is considered to be part of a single source in conjunction with Cinergy Solutions, for purposes of determining applicability of non-attainment area new source review (NSR), prevention of significant deterioration (PSD) requirements, and Title V operating permit requirements. Further modifications of the two facilities that make up the single source shall be addressed together to calculate net emissions increases for comparison with NSR and PSD significance levels. Also, both facilities will be considered a single source for any NAAQs attainment issues.

B. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/ Nominal Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pol-lutant Con-trolled	Appli-cable Permit Date
Cellulose Acetate Manufacturing							
1D1FB001S1	1D1FB001E1	No. 1 Exhaust Serving Flake Bins 1-64		None	NA	PM	NA
1D1FB002S1	1D1FB002E1	No. 1 Exhaust Serving Flake Bins 65-96		None	NA	PM	NA
1D1BH001S1	1D1BH001E1	No. 6 Dust Collector		None	NA	PM	NA
1D1BH002S1	1D1BH001E1	No. 7 Dust Collector		None	NA	PM	NA
1D6SL001S1	1D6SL001E1	Mag Oxide Silo		None	NA	PM	NA
1D6SL002S1	1D6SL002E1	Mag Oxide Silo		None	NA	PM	NA
1D6TK001S1	1D6TK001E1	Mag Acetate Storage Tank	78,000 gal	None	NA	VOC	NA
1D6TK001S2	1D6TK001E2						
1D8TK001S1	1D8TK001E1	Anhydride Policeman Tank	<10,000 gal	None	NA	VOC	NA
1D8TK002S1	1D8TK002E1	Methylene Chloride Surge Tank	--	None	NA		NA
1D8TK005S1	1D8TK005E1	No. 4 Condensate Vat	1,000 gal	None	NA	VOC	NA
1D8TK006S1	1D8TK006E1	Policeman Overflow Tank	30,000 gal	None	NA	VOC	NA
1D8TK007S1	1D8TK007E1	Scrubber Acid Runoff (SARO) Tank	28,000 gal	None	NA	VOC	NA
1D8SC002S1	1D8SC002E1	D-8 Pulp Acid Scrubber Column : Pulp Scrubbers 1 through 6 Attrition Mills (8) Cyclones (26)		None	NA	VOC, PM	NA
1D8SC001S1	1D8SC001E1	D-8 East Acid Scrubber		East acid scrubber in D-8	1D8SC001C1	VOC	10/29/2003 SOP
1D8SC001S2	1D8SC001E3	D-8 West Acid Scrubber		West acid scrubber in D-8	1D8SC001C2	VOC	10/29/2003 SOP
Note* Common header from C1 and C2 goes to E1, E2 & E3 (west & east acid scrubbers are in parallel)							
Equipment Venting to D8 Scrubber:							
		Ripeners (52) Acetylizers (26) Crystallizers (26) Magnesium Mixers (8) Magnesium Mixer Sludge Vat 5 A-Mix Holding Tanks (10) Vats 19 & 20 Magnesium Acetate Head Tanks (2) Pretreat Vats (4) Vats B-2, B-3, B-4 Pretreat Mix Head Tanks (2) Scrubber Acid Vat		East and west acid scrubbers in D-8	1D8SC001C1; 1D8SC001C2	VOC	10/29/2003 SOP
1D9SC001S1	1D9SC001E1	D-9 Acid Scrubber		Acid scrubber in D-9	1D9SC001C1	VOC	10/29/2003 SOP

Equipment Venting to Dept. 9 Acid Scrubber:							
		Nos. 7 & 8 Finishing Lines: "A" Washers (2), Vibrating Screens (2), Hardening Tanks (2), Continuous Precipitators (2)				VOC	10/29/2003 SOP
		Nos. 1 through & 6 Finishing Lines: "A" Washers (6), Vibrating Screens (6), Hardening Tanks (6), Continuous Precipitators (6)				VOC	None
		Pulp Acid Scrubber Runoff Vats (No. 21, 22)	30,000 gal	Acid scrubber in D-9	1D9SC001C1	VOC	None
		Slurry Tank				VOC	None
		Pan Charge Tanks	47,000 gal			VOC	None
		No. 8 Blend Tank	<10,000 gal			VOC	None
		Precipitating Acid Vats No. 7, 17, 18	7: 9,500 gal 17&18: 20,000 gal			VOC	None
		Dirty Acid Vats No. 33, 34, 35	50,000 gal			VOC	None
		Clean Acid Vats No. 36, 37, 38, 40, 41	36: 90,000 gal 37, 38, 40, 41: 83,000 gal			VOC	None
1D9TK001S1		Acid Dope Retention Tank No. 1	<10,000 gal	None	NA	VOC	None
1D9TK002S1		Acid Dope Retention Tank No. 2	<10,000 gal	None	NA	VOC	None
1D9TK003S1		Acid Dope Retention Tank No. 3	<10,000 gal	None	NA	VOC	None
1D9TK004S1		Acid Dope Retention Tank No. 4	<10,000 gal	None	NA	VOC	None
1D9TK005S1		Acid Dope Retention Tank No. 5	<10,000 gal	None	NA	VOC	None
1D9TK006S1		Acid Dope Retention Tank No. 6	<10,000 gal	None	NA	VOC	None
1D9TK007S1		Acid Dope Retention Tank No. 7	<10,000 gal	None	NA	VOC	None
1D9VT001S1	1D9VT001E1	Squeeze Rolls (8)		None	NA	NA	None
1D9TS001S1	1D9TS001E1	Titration Station Hoods (2)		None	NA	NA	None 10/29/2003
1D9DR001S1	1D9DR001E1	Dryer No. 1		Dryer #1 Wet Scrubber	1D9DR001C1	PM; VOC	None
1D9DR002S1	1D9DR002E1	Dryer No. 2		Dryer #2 Wet Scrubber	1D9DR002C1	PM; VOC	10/29/2003 SOP
1D9DR003S1	1D9DR003E1	Dryer No. 3		Dryer #3 Wet Scrubber	1D9DR003C1	PM; VOC	10/29/2003 SOP
1D9DR004S1	1D9DR004E1	Dryer No. 4		Dryer #4 Wet Scrubber	1D9DR004C1	PM; VOC	10/29/2003 SOP
1D9DR005S1	1D9DR005E1	Dryer No. 5		Dryer #5 Wet Scrubber	1D9DR005C1	PM; VOC	10/29/2003 SOP
1D9DR006S1	1D9DR006E1	Dryer No. 6		Dryer #6 Wet Scrubber	1D9DR006C1	PM; VOC	10/29/2003 SOP
1D9DR007S1	1D9DR007E1	Dryer No. 7		Dryer #7 Wet Scrubber	1D9DR007C1	PM; VOC	10/29/2003 SOP
1D9DR008S1	1D9DR008E1	Dryer No. 8		Dryer #8 Wet Scrubber	1D9DR008C1	PM; VOC	10/29/2003 SOP
Acid Recovery Process Equipment (HON F)							
1ARRC001S1	NA	Isopropanol Reactor (NSPS Subpart RRR)		NA	NA	NA	NA
1ARSC001S1	1ARSC001E1	D-10 Scrubbers		D-10 N Scrubber (parallel with D-10 S scrubber)	1ARSC001C1	VOC	10/29/2003 SOP
1ARSC001S2	1ARSC001E2	D-10 Scrubbers		D-10 S Scrubber (parallel with D-10 N scrubber)	1ARSC001C2	VOC	10/29/2003 SOP
Equipment venting to D-10 Scrubbers:							
1ARSC001S1; 1ARSC001S2	1ARSC001E1; 1ARSC001E2	Vaporizers (6): No. 6 & No. 7 Main Stills		D-10 N Scrubber & D-10 S Scrubber	1ARSC001C1; 1ARSC001C2	VOC	10/29/2003 SOP

		Extraction Towers (9) Clearing Tanks (8) Main Feed Tanks (2) Main Stills (2) Effluent Feed Tanks (2) Effluent Stills (4) IPOH Still Reflux Tank (IPOH) IPOH Separator Measuring Tank Solvent Feed Tanks (2) Sparge Tanks (2) Sparge Condensers (2) Emergency Tank Pure Still (55 gallon drum)	< 10,000 gal < 10,000 gal	D-10 N Scrubber & D-10 S Scrubber	IARSC001C1; IARSC001C2	VOC	None
IARSC002S1	IARSC002E1	D-10X Scrubber				VOC	None
		Equipment venting to D-10X Scrubber: Extraction Towers (2) Clearing Tanks (2) (16,900 gal) Main Feed Tank (30,000 gal) Vaporizers (3) Main Stills (2) Effluent Feed Tank (15,700 gal) Effluent Still Sample Drain Tanks Sparge Tank (30,000 gal) Sparge Condenser Solvent Feed Tank (30,000 gal)		D-10X Scrubber	IARSC002C1	VOC	None
IARSC003S1	IARSC003E1	CC Tank Farm Vent Scrubber		None	NA	VOC	None
		Equipment venting to CC Tank Farm Vent Scrubber:					
		Weak Acid Storage tanks Nos. 9 & 10	282,000 gal				
		Acetic Anhydride Storage Tanks Nos. 110 & 111	134,500 gal				
		Acetic Anhydride Storage Tanks Nos. 114 & 115	188,000 gal				
		Glacial Acetic Acid Storage Tanks No. 112 (NSPS Subpart Kb)	134,500 gal				
		Glacial Acetic Acid Storage Tanks No. 113 (NSPS Subpart Kb)	188,000 gal				
		Acetyl Storage Tanks Nos. 116, 117 in Ketene Area	87,500 gal				10/29/2003 SOP
IARSC004S1	IARSC004E1	Bldg. 10 Vat Yard Scrubber				VOC	
		Equipment venting to Bldg. 10 Vat Yard Scrubber:					
		Recovery Vats (3)	13,800 gal				
		Weak Acid Vat No. 11	50,000 gal				
		Glacial Tanks Nos. 1, 2, 3, 4	< 10,000 gal				
		Glacial Acetic Acid Storage Tanks nos. 105, 107 (NSPS Subpart Kb)	50,000 gal				
		A-mix Blend Tanks Nos. 101, 102, 103 & 104	36,800 gal				
		A-mix Blend Tank No. 106	54,000 gal				
		AM Process Condensate Feed Tanks	< 10,000 gal				
IARRC001S1	None	Isopropanol Reactor (NSPS RRR)		None	NA		
IARTK001S1	IARTK001E1	Tank 130 - IPAC Storage	30,000 gal	None	NA	VOC	NA
IARTK002S1	IARTK002E1	Tank 131 - IPAC Storage	30,000 gal	None	NA	VOC	NA

1ARTK003S1	1ARTK003E1	Tank 132 - MEK Storage	16,000 gal	None	NA	VOC	NA
1ARTK004S1	1ARTK004E1	Tank 133 - Hexane Storage	16,000 gal	None	NA	VOC	NA
1ARTK005S1	1ARTK005E1	Storage Tank 134 VOL	16,000 gal	None	NA	VOC	NA
<u>Ketene Anhydride Manufacturing</u>							
1AMFU001S1	1AMFU001E1	Ketene Anhydride Fugitive Emissions (including maintenance wastewater sources) (NSPS VV, HON A, HON G, HON H)		None	NA	VOC, HAP	10/29/2003 SOP
1AMCN001S1	1AMCN001E1	Methanol Brine Storage Tank	< 10,000 gal	None	NA	VOC, HAP	10/29/2003 SOP
1AMTK001S1	1AMTK001E1	Methanol Brine Expansion Tank	< 10,000 gal	None	NA	VOC, HAP	10/29/2003 SOP
1AMCN002S1	1AMCN002E1	Flashing Column, DP Stills (4)		None	NA	VOC	NA
1AMCN003S1	1AMCN003E1	Flashing Column, DP Stills (4)		None	NA	VOC	NA
1AMKO001S1	1AMKO001E1	Decomp Gas K.O. Pot Start-up Vent		None	NA	VOC, HAP	10/29/2003 SOP
1AMKO002S1	1AMKO002E1	Decomp Gas K.O. Pot Shut-Down Vent		None	NA	VOC, HAP	10/29/2003 SOP
1AMKO003S1	1AMKO003E1	No. 2 Process Condensate K.O. Pot Start-up Vent		None	NA	VOC, HAP	10/29/2003 SOP
1AMKO004S1	1AMKO004E1	Light Ends Column Start-up Vent		None	NA	VOC, HAP	10/29/2003 SOP
1AMFN001S1	1AMFN001E1	Ketene Furnace 1 East	18 MM Btu/hr	Ketene Furnace 1 East	1AMFN001C1	VOC, NOx, CO, PM	10/29/2003 SOP
1AMFN002S1	1AMFN002E1	Ketene Furnace 1 West	18 MM Btu/hr	Ketene Furnace 1 West	1AMFN002C1	VOC, NOx, CO, PM	10/29/2003 SOP
1AMFN003S1	1AMFN003E1	Ketene Furnace 2 East	18 MM Btu/hr	Ketene Furnace 2 East	1AMFN003C1	VOC, NOx, CO, PM	10/29/2003 SOP
1AMFN004S1	1AMFN004E1	Ketene Furnace 2 West	18 MM Btu/hr	Ketene Furnace 2 West	1AMFN004C1	VOC, NOx, CO, PM	10/29/2003 SOP
		<u>Equipment Venting to Furnaces:</u>					
		Absorber/Scrubbers (2) (NSPS Subpart RRR)		Ketene Furnace 1 East Ketene Furnace 1 East Ketene Furnace 2 East Ketene Furnace 2 West	1AMFN001C1 1AMFN002C1 1AMFN003C1 1AMFN004C1	VOC	10/29/2003 SOP
		Light Ends Column (NSPS Subpart NNN)					
		Process Condensate Column (NSPS Subpart NNN)					
1AMSS001S1		Stripping Still (1AMSS001S1) (NSPS Subpart NNN)	12,000 lb./hr				
<u>Preparation/ Solvent Recovery/ Extrusion</u>							
2PRSL001S1	2PRSL001E1	Flake Silo 1	---	Dust Collector 1	2PRSL001C1	PM	10/29/2003 SOP
2PRSL002S1	2PRSL002E1	Flake Silo 2	---	Dust Collector 2		PM	10/29/2003 SOP
2PRSL003S1	2PRSL003E1 2PRSL003E2	Flake Silo 3	---	Dust Collector 3; Dust Collector 3A	2PRSL003C1 2PRSL003C2	PM	10/29/2003 SOP
2PRSL004S1	2PRSL004E1	Flake Silo 4	---	Dust Collector 4	2PRSL004C1	PM	10/29/2003 SOP
2PRSL005S1	2PRSL005E1	Flake Silo 5	---	Dust Collector 5	2PRSL005C1	PM	10/29/2003 SOP
2PRVT011S1	2PRVT011E1	Bldg. 2 CA Flake Weigh Hopper Receiver	---	Dust Collector 6	2PRVT011C1	PM	10/29/2003 SOP
2PRVT014S1	2PRVT014E1	CA Flake Weigh Hopper Receiver	---	Dust Collector 10	2PRVT014C1	PM	10/29/2003 SOP
2PRVT015S1	2PRVT015E1	CA Flake Weigh Hopper Receiver (Backup Charge System)	---	Dust Collector 11	2PRVT015C1	PM	10/29/2003 SOP
2PRVT013S1	2PRVT013E1	CA Flake Weigh Hopper Receiver		Dust Collector No. 8	2PRVT013C1	PM	NA

2PRVT017S1	2PRVT017E1	Bldg 2 WOFA Mixer Dust Collector		Dust Collector No. 12	2PRVT017C1	PM	NA
2PRVT019S1	2PRVT019E1	Truck Unloading Station ("LIVTRAL")	---	Truck Unloading Station Dust Collector No. 14	2PRVT019C1	PM	10/29/2003 SOP
2PRVT020S1	2PRVT020E1	Semco Unit "Supersucker"	15,000 lbs./hr	Semco Unit baghouse	2PRVT020C1	PM	10/29/2003 SOP
2PRVT012S1	2PRVT012E1	Semiworks Pilot Plant System Receiver (Dust Collector SW)	5,000 lbs./hr; 15,000 lbs/day; 2190 tons/yr	Semiworks baghouse	2PRVT012C1	PM	2/3/03 NSR
Jet Department							
5JMVT001S1	5JMVT001E1	Chrome Plate Bath (Chrome MACT)	200 amps; 1.2 MM amps/yr.	None	NA	Chromium	10/29/2003 SOP
WWTP							
WWTK004S1	3WWCO001E1	Diversion Tank	2 mil gal	Global Technologies Model 20 Remedi-Cat. Oxidizer	3WWCO001C1	VOC	10/29/2003 SOP
3WWTK005S1	3WWCO001E1	Diversion Tank	2 mil gal	Global Technologies Model 20 Remedi-Cat. Oxidizer	3WWCO001C1	VOC	10/29/2003 SOP
WWTK003S1	WWTK003E1	Equalization Tank	4 mil gal	None	NA	VOC	NA
WWSE001S1	WWSE001E1	Selector 1		None	NA	VOC	NA
WWSE002S1	WWSE002E1	Selector 2		None	NA	VOC	NA
WWSE003S1	WWSE003E1	Selector 3		None	NA	VOC	NA
WWBR001S1	WWBR001E1	Biohoch Reactor 1		None	NA	VOC	NA
WWBR002S1	WWBR002E1	Biohoch Reactor 2		None	NA	VOC	NA
WWAS001S1	WWAS001E1	Wastewater Treatment Plant: Process Wastewater Pump Station Preliminary Treatment Return Pump Station Chemical Sewer Water Pump Station White Sludge Ponds (2) Biohoch Pump Station Plate & Frame Press Fugitive Emissions				VOC	NA
WWSL001S1	WWSL001E1	Selectors Silo		None	NA	PM	NA
WWSL002S1	WWSL002E1	Solids Silo		None	NA	PM	NA
3WWGN001S1		WWTP IPS Emergency Backup Diesel Generator	890 HP			VOC, SO ₂ , NO _x , CO, PM ₁₀	
3WWGN002S1		WWTP IPS Emergency Backup Diesel Generator	890 HP			VOC, SO ₂ , NO _x , CO, PM ₁₀	
MAINTENANCE COMPLEX							
3BHVT003S1	3BHVT003E1	MeCl ₂ Dryer		None	NA		NA
3MTDG001S1	3MTDG001E1	9 Miscellaneous Degreasers (3 Bldg. 32, 2 Bldg. 2, Bldg. 5, 1 Bldg. 14, 2 CC Shops)		None	NA	VOC	NA
3LFAS001S1	3LFAS001E1	Landfill		None	NA		NA
	3LFTK001E1			None	NA	VOC	NA

*The Size/Rated capacity and PCD efficiency is provided for informational purposes only, and is not an applicable requirement.

7. Emissions from the operation of No. 7 cellulose acetate flake dryer shall not exceed the limits specified below:

PM	1.1 lbs/hr	4.8 tons/yr
Volatile Organic Compounds	0.17 lbs/hr	0.75 tons/yr

Exceedance of the operating limit may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in condition 2 of this section of the permit.

(9 VAC 5-50-260, 9 VAC 5-50-180, & Condition II.A.8 of 10/29/2003 SOP)

8. Emissions from the Department 9 acid vent scrubber shall not exceed the limits specified below:

Volatile Organic Compounds	1.8 lbs/hr	8.0 tons/yr
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Exceedance of the operating limit may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in condition 2 of this section of the permit.

(9 VAC 5-50-260, 9 VAC 5-50-180, & Condition II.A.9 of 10/29/2003 SOP)

9. Visible emissions from cellulose acetate flake dryers Nos. 3, 4, 5, 7, and 8 shall not exceed 5 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). Visible emissions from cellulose acetate flake dryers Nos. 2 and 6 shall not exceed 0 percent opacity as determined by EPA method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-170-160, 9 VAC 5-50-20, 9 VAC 5-50-260, 9 VAC 5-50-20, Condition 12 of the 8/28/1997 NSR Permit as amended 8/14/1998, & Condition II.A.10 of 10/29/2003 SOP)

10. Process particulate emissions from the Celco CA flake production operations shall be less than or equal to 71.0 lbs/hr.
(9 VAC 5-40-260.A)

B. Monitoring - (SEE ALSO FACILITY WIDE REQUIREMENTS)

1. Each acid vent scrubber shall be equipped with a flow meter and a device to continuously measure the differential pressure through the scrubber. Each device shall be installed in an accessible location and shall be maintained by the permittee such that flow and differential pressure are measured at least once each hour that the scrubber is in operation. This device shall be operated continuously except for brief periods of equipment maintenance and malfunction. The permittee shall check and record the flow and differential pressure drop at least once per week.

Operational ranges for the monitored parameters shall be established to provide a reasonable assurance of compliance. These operational ranges for the monitored parameters shall be derived from stack test data, vendor certification, operational history, and visual inspections, the combination of which demonstrate the proper operation of the equipment in compliance. The facility shall maintain records documenting the establishment of the operational ranges for the monitored parameters.

(9 VAC 5-80-10 H, 9 VAC 5-50-260, Condition II.B.1 of 10/29/2003 SOP)

2. Each wet scrubber shall be equipped with a flow meter. Each device shall be installed in an accessible location and shall be maintained by the permittee such that flow is measured at least once each hour that the scrubber is in operation. This device shall be operated continuously except for brief periods of equipment maintenance and malfunction. The permittee shall check and record the flow at least once per week.

Operational ranges for the monitored parameters shall be established to provide a reasonable assurance of compliance. These operational ranges for the monitored parameters shall be derived from stack test data, vendor certification, operational history, and visual inspections, the combination of which demonstrate the proper operation of the equipment in compliance. The facility shall maintain records documenting the establishment of the operational ranges for the monitored parameters.

(9 VAC 5-80-10 H, 9 VAC 5-50-260, & Condition II.B.2 of 10/29/2003 SOP)

3. Operation & Maintenance Procedures – The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance for the Department 8 and 9 acid vent scrubbers and for the wet scrubbers for dryers 2, 3, 4, 5, 6, 7, and 8.

- b. Develop an inspection schedule, monthly at a minimum, to insure the operational integrity of the Department 8 and 9 acid vent scrubbers and of the wet scrubbers for dryers 2-8 and maintain records of inspection results.

- c. Have available written operating procedures for the Department 8 and 9 acid vent scrubbers and for the wet scrubbers for dryers numbers 2-8. These procedures shall be based on the manufacturer's recommendations, at a minimum.

- d. Train operators in the proper operation of the Department 8 and 9 acid vent scrubbers and for the wet scrubbers for dryers 2-8 and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.
- e. Maintain an inventory of spare parts that are needed to maintain the Department 8 and 9 acid vent scrubbers and the wet scrubbers for dryers 2-8 in proper working order.

Records of maintenance, inspections and training shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.
(9 VAC 5-50-20E, Condition II.B.3 of 10/29/2003 SOP)

C. Recordkeeping - (See also Facility Wide Requirements)

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:

1. Maintenance/Inspection reports and operator training.
2. Weekly fluid flow and differential pressures readings for the acid vent scrubbers.
3. Weekly fluid flow readings for the wet scrubbers.
4. Monthly production of cellulose acetate flake in production units.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50, Conditions II.C.1, II.C.2, and II.C.3 of 10/29/2003 SOP)

D. Testing- (See also Facility Wide Requirements)

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.

(9 VAC 5-50-30, Condition II.D.1 of 10/29/2003 SOP)

E. Reporting- (See also Facility Wide Requirements)

The reporting requirements for this section are satisfied by the recordkeeping requirements in this section and by the General Permit Conditions in the Facility-Wide and General Requirements section.

III. Process Equipment Requirements – Acid Recovery

A. Limitations - (See also Facility Wide Requirements)

1. Volatile organic emissions from the vaporizers and number 6 and number 7 distillation columns shall be controlled by two D10 wet scrubbers or equivalent control devices. The scrubbers shall be provided with adequate access for inspection.
(9 VAC 5-50-260 & Condition II.A.1 of 10/29/2003 SOP)
2. The number 6 and number 7 distillation columns shall process no more than 140,000 pounds of distillation feed per hour each, calculated once every eight hour shift as the average hourly feed during that shift.
(9 VAC 5-50-260 and Condition III.A.2 of 10/29/2003 SOP)
3. The isopropanol reactor (Source ID No. 1ARRC001S1) is subject to the provisions of 40 CFR Part 60, New Source Performance Standards, Subparts A & RRR. Currently, the affected facility complies with NSPS Subpart RRR under 40 CFR 60.700(c)(4), the low flow exemption. Because there is no vapor stream from this reactor, the reactor is exempt from Subpart RRR 40 CFR 60.704(g). If any change in equipment process operation increases the operating vent stream flow rate above the low flow exemption, then the isopropanol reactor must begin compliance with the requirements set forth in 40 CFR 60.702.
(9 VAC 5-50-400, 9 VAC 5-50-410, 9 VAC 5-80-110)
4. The emission sources in the Acid Recovery Department are subject to the provisions of 40 CFR Part 63 Subpart F. This process unit does not use as a reactant or manufacture as a product or co-product any organic HAPs from table 2 of 40 CFR Part 63 Subpart F. Therefore, 40 CFR 63.103(e) states that this process unit shall comply only with the requirements of 63.103(e) and that this process unit is not required to comply with the provisions of 40 CFR 63 Subpart A.
(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110)

B. Monitoring - (See also Facility Wide Requirements)

1. Operation & Maintenance Procedures – The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:
 - a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance of the D10 wet scrubbers.
 - b. Develop an inspection schedule, monthly at a minimum, to insure the operational integrity of the D10 wet scrubbers and maintain records of inspection results.

- c. Have available written operating procedures for the D10 wet scrubbers. These procedures shall be based on the manufacturer's recommendations, at a minimum.
- d. Train operators in the proper operation of the D10 wet scrubbers and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.
- e. Maintain an inventory of spare parts that are needed to maintain the D10 wet scrubbers in proper working order.

Records of maintenance, inspections and training shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.
(9 VAC 5-50-20 E & Condition III.B.1 of 10/29/2003 SOP)

2. Each D10 wet scrubber shall be equipped with a flow indicator of water flow through the scrubber. The flow indicator shall be installed in an accessible location and shall be maintained by the permittee. This device shall be operated continuously (flow measured at least once each hour) while the No. 6 and/or No. 7 distillation column or vaporizers are in operation except for brief periods of equipment maintenance and malfunction. The permittee shall check the flow at least once per day in any day in which the No. 6 and/or No. 7 distillation columns or vaporizers are in operation.
(9 VAC 5-80-110)

C. Recordkeeping - (See also Facility Wide Requirements)

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:
 - a. The time at which each start-up of the number 6 or number 7 distillation column begins and ends.
 - b. The reason for each shutdown of the number 6 or number 7 distillation column.
 - c. Scheduled and unscheduled maintenance and operator training for the D10 wet scrubber.
 - d. Keep up-to-date, readily accessible records to indicate that the vent stream flow rate from the isopropanol reactor is less than $0.011 \text{ m}^3/\text{min}$.
 - e. Keep up-to-date, readily accessible records of any change in equipment process operation that increases the operating vent stream flow rate of the isopropanol reactor (Source ID No. 1ARRC001S1), including a measurement of the new vent stream flow rate. This measurement will be conducted in accordance with standard reference test methods 2, 2A, 2C, and 2D as required pursuant to 40 CFR 60.705(h).

- f. the weekly water flow records for the wet scrubbers for Nos. 6 and 7 Main Stills and the vaporizers.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50, 9 VAC 5-80-110, 9 VAC 5-50-400, 9 VAC 5-50-410, & Conditions III.C.1, III.C.2, & III.C.3, of the 10/29/2003 SOP)

2. In accordance with 40 CFR 63.103(e), the permittee shall retain information, data, and analysis used to determine that the Acid Recovery Department does not use as a reactant or manufacture as a product or co-product an organic HAP, or when requested by DEQ, demonstrate that the Acid Recovery Department does not use as a reactant or manufacture as a product or co-product any organic hazardous air pollutant.

(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110)

D. Testing- (See also Facility Wide Requirements)

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.

(9 VAC 5-50-30 & Condition IV.D.1 of 10/29/2003 SOP)

2. A performance test must be completed as soon as possible after the change and no later than 180 days after any change in equipment or process operation of the isopropanol reactor (Source ID No. 1ARRC001S1) that increases the operating vent stream flow rate above the low flow exemption level in 40 CFR 60.700(c)(4), including a measurement of the new vent stream flow rate, as recorded under 40 CFR 60.705(i). within the same time period to verify the recalculated flow value and to obtain the vent stream characteristics of heating value and ETOC (measured emission rate of TOC, kg/hr (lb/hr)). The performance test is subject to the requirements of 40 CFR 60.8.

(9 VAC 5-50-400, 9 VAC 5-50-410, & 9 VAC 5-80-110)

E. Reporting- (See also Facility Wide Requirements)

1. Report to Director, WCRO, DEQ and to EPA, Region 3, NSPS Compliance Coordinator, as soon as possible after the change and no later than 180 days after the change, any change in equipment or process operation of the isopropanol reactor (Source ID No. 1ARRC001S1) that increases the operating vent stream flow rate above the low flow exemption level in 40 CFR 60.700(c)(4), including a measurement of the new vent stream flow rate, as recorded under 40 CFR 60.705(i). These reports may be submitted either in conjunction with semiannual reports or as a single separate report.

(9 VAC 5-50-400, 9 VAC 5-50-410, 9 VAC 5-80-110)

IV. Process Equipment Requirements –Anhydride Manufacturing

A. Limitations - (See also Facility Wide Requirements)

1. Except where this permit is more restrictive than the applicable requirement, the acetic anhydride production equipment shall be operated in compliance with the requirements of 40 CFR 60, Subpart VV (Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry); with the requirements of 40 CFR 60 Subpart RRR (Volatile Organic Compound Emissions from Synthetic Organic Chemicals Manufacturing Industry Reactor Processes); and with the requirements of 40 CFR Part 63 Subpart H (National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks). (9 VAC 5-50-400, 9 VAC 5-50-410, 9 VAC 5-60-90, 9 VAC 5-60-100, & Condition IV.A.1 of 10/29/2003 SOP)
2. Except where this permit is more restrictive than the applicable requirement or where alternative monitoring has been approved according to 40 CFR 60.13(i), the light ends distillation column and process condensate column shall be operated in compliance with the requirements of 40 CFR 60, Subpart NNN (Volatile Organic Compound Emissions from Synthetic Organic Chemicals Manufacturing Industry Distillation Operations). Alternative monitoring that was approved according to 40 CFR 60.13(i) allows the distillation columns to comply with the provisions of paragraphs (c)(1), (c)(1)(i), and (c)(1)(ii) of section 60.703 of NSPS Subpart RRR instead of the provisions of paragraphs (c)(1), (c)(2), and (c)(3) of section 60.663 of NSPS Subpart NNN. (9 VAC 5-50-400, 9 VAC 5-50-410, Condition IV.A.2 of 10/29/2003 SOP, and EPA Region III Variance Approval)
3. Volatile organic compound and carbon monoxide emissions from the distillation column (Stripping Still 1AMSS001S1) in the acetic anhydride production process shall be controlled by incineration of the vent streams in the ketene furnaces, except during periods of start up, shut down, or malfunction. (9 VAC 5-50-260 and Condition IV.A.4 of 10/29/2003 SOP)
4. Volatile organic compound and carbon monoxide emissions from the process vents in the acetic anhydride production process shall be controlled by incineration of the vent streams in the ketene furnaces, except during periods of start up, shut down or malfunction. The vent streams shall be introduced in the flame zones of the furnaces. The ketene furnaces shall be provided with adequate access for inspection. (9 VAC 5-50-260 & Condition IV.A.5 of 10/29/2003 SOP)
5. The ketene furnace combustion chamber shall demonstrate a control efficiency for volatile organic compounds from the process vents of no less than 99.9 percent, on a mass basis or shall control volatile organic compounds from the process vents to a concentration of no more than 20 ppmv, on a dry basis corrected to 3 percent oxygen. (9 VAC 5-50-260 & Condition IV.A.6-of 10/29/2003 SOP)

6. The production of acetic anhydride shall not exceed 330 million pounds per year, calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-10 H & Condition IV.A.7 of 10/29/2003 SOP)

7. The approved fuels for the ketene furnaces are natural gas and auxiliary fuels vented from the acetic anhydride manufacturing process. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-10, 9 VAC 5-50-260, & Condition IV.A.8 of 10/29/2003 SOP)

8. The ketene furnaces shall consume no more than 516 million standard cubic feet of natural gas per year, calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-10 & Condition IV.A.9 of 10/29/2003 SOP)

9. The distillation column (Stripping Still 1AMSS001S1) shall process no more than 12,000 pounds of distillation feed per hour, as indicated by the flow meter located at the inlet feed line, calculated once every eight hour shift as the average hourly feed during that shift.
(9 VAC 5-20-110 and Condition IV.A.10 of 10/29/2003 SOP)

10. Visible emissions from the acetic anhydride process shall not exceed five percent (5%) opacity except during one six-minute period in any one hour in which visible emissions shall not exceed ten percent (10%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-50-80, 9 VAC 5-50-260, & Condition IV.A.11 of 10/29/2003 SOP)

11. Emissions from the operation of each ketene furnace shall not exceed the hourly limits specified below. Total combined emissions from the ketene furnaces shall not exceed the annual limits specified below:

Particulate Matter	0.14 lbs/hr	1.96 tons/yr
PM-10	0.14 lbs/hr	1.96 tons/yr
Nitrogen Oxides (as NO ₂)	3.00 lbs/hr	39.52 tons/yr
Carbon Monoxide	1.51 lbs/hr	21.67 tons/yr
Volatile Organic Compounds	0.21 lbs/hr	2.84 tons/yr

(9 VAC 5-50-260 & Condition V.A.12 of 10/29/2003 SOP)

12. Except where this permit is more restrictive than the applicable requirement or where alternative monitoring has been approved according to 40 CFR 60.13(i), the distillation column (stripping still 1AMSS001S1) shall comply with all applicable provisions of 40 CFR 60.660 through 60.668 (Subpart NNN). Alternative monitoring that was approved according to 40 CFR 60.13(i) allows the distillation column to comply with the provisions of paragraphs (c)(1), (c)(1)(i), and (c)(1)(ii) of section 60.703 of NSPS Subpart RRR instead of the provisions of paragraphs (c)(1), (c)(2), and (c)(3) of section 60.663 of NSPS Subpart NNN.

(9 VAC 5-50-410, Condition IV.A.13 of 10/29/2003 SOP, and EPA Region III Variance Approval)

13. Process particulate emissions from the Celco Anhydride Manufacturing operations, other than from fuel burning equipment, shall be less than or equal to 6.8 lbs/hr.

(9 VAC 5-40-260.A)

B. Monitoring - (SEE ALSO FACILITY WIDE REQUIREMENTS)

1. The vent valves to the atmosphere on the light ends/process vent gas header and the decomposition gas header shall each be equipped with a flow indicator that provides a record of flow of the gases at these locations at least once per fifteen minute period. Each monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when the acetic anhydride process is operating, excepting brief periods of instrument malfunction and repair.

(9 VAC 5-50-400, 9 VAC 5-50-410, & Condition IV.B.1 of 10/29/2003 SOP)

2. Operation & Maintenance Procedures – The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance for the ketene furnaces.

- b. Develop an inspection schedule, monthly at a minimum, to insure the operational integrity of the ketene furnaces and maintain records of inspection results.

- c. Have available written operating procedures for the ketene furnaces. These procedures shall be based on the manufacturer's recommendations, at a minimum.

- d. Train operators in the proper operation of the ketene furnaces and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

- e. Maintain an inventory of spare parts that are needed to maintain the ketene furnaces in proper working order.

Records of maintenance, inspections and training shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.

(9 VAC 5-50-20 E & Condition IV.B.2 of 10/29/2003 SOP)

C. Recordkeeping - (See also Facility Wide Requirements)

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:

1. Annual production of acetic anhydride, calculated monthly as the sum of each consecutive 12 month period.
2. Annual consumption of natural gas in the ketene furnaces, calculated monthly as the sum of each consecutive 12 month period.
3. Records of the times when the light ends/process vent gas stream or the decomposition gas stream is diverted to the atmosphere from the respective vent headers.
4. Results of all stack tests, visible emission evaluations and performance evaluations.
5. Monthly emissions estimates for volatile organic compounds, nitrogen oxides, carbon monoxide, and particulate matter from the acetic anhydride production unit, using calculation methods approved by the DEQ to verify compliance with the emissions limitations.
6. Scheduled and unscheduled maintenance, and operator training.
7. The annual throughput of feed to distillation column (stripping still 1AMSS001S1), calculated monthly as the sum of each consecutive 12 month period.
8. Operating records of the distillation column (stripping still 1AMSS001S1) and furnaces necessary to demonstrate that one or more of the furnaces are in operation at all times the distillation column is in operation.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50, Condition IV.C of 10/29/2003 SOP)

D. Testing- (See also Facility Wide Requirements)

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided

at the appropriate locations.

(9 VAC 5-450-30 and Condition IV.D.1 of 10/29/2003 SOP)

2. Upon request by the DEQ, the permittee shall conduct performance tests for volatile organic compounds, particulate matter, nitrogen oxides and/or carbon monoxide from one or more ketene furnaces to demonstrate compliance with the emission limits and control efficiency requirements contained in this permit. The details of the tests shall be arranged with the Director, West Central Regional Office.
(9 VAC 5-50-30 G & Condition IV.D.2 of 10/29/2003 SOP)
3. Upon request by the DEQ, the permittee shall conduct visible emission evaluations from the acetic anhydride production unit to demonstrate compliance with the visible emission limits contained in this permit. The details of the tests shall be arranged with the Director, West Central Regional Office.
(9 VAC 5-50-30 G & Condition IV.D.3 of 10/29/2003 SOP)
4. Compliance tests may be required for volatile organic compounds from the stripping still 1AMSS001S1 vent manifold condenser to determine compliance with the requirements of 40 CFR Part 60 Subpart NNN. Tests shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30 and 9 VAC 5-60-30 of State Regulations, the test methods and procedures contained in each applicable section or subpart in 9 VAC 5-50-410 and 9 VAC 5-60-70.(9 VAC 5-50-30, 9 VAC 5-80-10 J of State Regulations, and Condition IV.D.4 of 10/29/2003 SOP)

E. Reporting - (See also Facility Wide Requirements)

1. NSPS Subpart NNN Excess Emissions Reports

The permittee shall submit semi-annual written reports to the Director, West Central Regional Office and to the EPA, Region III, NSPS Compliance Coordinator. The time periods to be addressed are January 1 to June 30 and July 1 to December 31. All reports shall be postmarked by the 60th day following the reporting period and shall contain the information required by 40 CFR 60.4.

(9 VAC 5-50-50, 40 CFR 60.665, and Conditions IV.A.2 and IV.A.13 of 10/29/2003 SOP)

2. NSPS Subpart RRR Excess Emissions Reports

The permittee shall submit semi-annual written reports to the Director, West Central Regional Office and to the EPA, Region III, NSPS Compliance Coordinator. The time periods to be addressed are January 1 to June 30 and July 1 to December 31. All reports shall be postmarked by the 60th day following the reporting period and shall contain the information required by 40 CFR 60.4.

(9 VAC 5-50-50, 40 CFR 60.705, and Condition IV.A.1 of 10/29/2003 SOP)

3. NSPS Subpart VV Fugitive Emissions LDAR Report

The permittee shall submit semi-annual written reports to the Director, West Central Regional Office and to the EPA, Region III, NSPS Compliance Coordinator. The time periods to be addressed are January 1 to June 30 and July 1 to December 31. All reports

shall be postmarked by the 60th day following the reporting period and shall contain the information required by 40 CFR 60.4.

(9 VAC 5-50-50, 40 CFR 60.487, and Condition IV.A.1 of 10/29/2003 SOP)

4. NESHAP Part 63 Subpart A/F SSMP Report

When the NESHAP Part 63 Subparts A and F regulations require that a semi-annual startup, shutdown, and malfunction report needs to be submitted, the permittee shall submit semi-annual written reports to the Director, West Central Regional Office and to the EPA, Region III, HON Compliance Coordinator. The time periods to be addressed are January 1 to June 30 and July 1 to December 31. All reports shall be postmarked by the 60th day following the reporting period and shall contain the information required by 40 CFR 63.10(d)(5).

(9 VAC 5-50-50, 40 CFR 63.10(d)(5))

5. NESHAP Part 63 Subpart H Fugitive Emissions LDAR Report

The permittee shall submit semi-annual written reports to the Director, West Central Regional Office and to the EPA, Region III, HON Compliance Coordinator. The time periods to be addressed are January 1 to June 30 and July 1 to December 31. All reports shall be postmarked by the 60th day following the reporting period and shall contain the information required by 40 CFR 63.182(d) and 40 CFR 63.10(a)(4)(ii).

(9 VAC 5-50-50, 40 CFR 63.182(d), and 40 CFR 63.10(a)(4)(ii))

V. Process Equipment Requirements – Preparation/ Solvent Recovery/ Extrusion

A. Limitations - (See also Facility Wide Requirements)

1. Emissions from the transfer of cellulose acetate flake from the live-bottom truck hoppers to the Storage Silos will be vented through the baghouses on the Storage Silos. The baghouses shall be provided with adequate access for inspection.
(9 VAC 5-50-260, 9 VAC 5-170-160, & Condition V.A.1 of 10/29/2003 SOP)
2. The unloading of cellulose acetate flake at the live-bottom truck unloading facility shall be totally enclosed with emissions vented to baghouse filters. The baghouses shall be provided with adequate access for inspection.
(9 VAC 5-50-260, 9 VAC 5-170-160, & Condition V.A.2 of 10/29/2003 SOP)
3. The annual throughput of cellulose acetate flake through the CA live-bottom truck unloading facility shall not exceed 29,120 tons per year, calculated monthly as the sum of each consecutive twelve (12) month period.
(9 VAC 5-170-160 & Condition V.A.3 of 10/29/2003 SOP)
4. Visible emissions from the fabric filters serving the cellulose acetate flake live-bottom truck unloading facility and the fabric filters serving the Storage Silos shall not exceed 5% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 10% opacity as determined by EPA Method 9 (reference 40 CFR 60,

Appendix A).

(9 VAC 5-50-260, 9 VAC 5-50-20, & Condition V.A.4 of 10/29/2003 SOP)

5. Emissions from unloading cellulose acetate flake live-bottom trucks shall not exceed the limitations specified below:

PM	0.50 lbs/hr	0.73 tons/yr
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PM-10	0.50 lbs/hr	0.73 tons/yr
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(9 VAC 5-50-260 and Condition V.A.5 of 10/29/2003 SOP)

6. Emissions from the transfer of cellulose acetate flake from the live-bottom truck hoppers to the existing Storage silos shall not exceed the limitations specified below:

PM	1.0 lbs/hr	1.50 tons/yr
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PM-10	1.0 lbs/hr	1.50 tons/yr
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(9 VAC 5-50-260 and Condition V.A.6 of 10/29/2003 SOP)

7. Emissions from the operation of the Building 2 Cellulose Acetate weigh bin shall not exceed the limitations specified below:

PM	0.85 lbs/hr	3.7 tons/yr
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(9 VAC 5-170-160 & Condition V.A.7 of 10/29/2003 SOP)

8. The combined particulate emissions from the baghouses controlling the alternate pneumatic conveyor lines shall not exceed 0.358 pounds per hour.

(9 VAC 5-50-260, 9 VAC 5-170-160, & Condition V.A.8 of 10/29/2003 SOP)

9. Particulate emissions from the Semco flake handling unit shall be controlled by fabric filter baghouse. The baghouse shall be provided with adequate access for inspection.

(9 VAC 5-80-850 F & Condition V.A.9 of 10/29/2003 SOP)

10. Emissions from the operation of the Semco flake handling unit shall not exceed the limits specified below:

PM	1.0 tons/yr
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PM-10	1.0 tons/yr
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(9 VAC 5-80-850 F & Condition V.A.10 of 10/29/2003 SOP)

11. Visible emissions from the Semco flake handling unit shall not exceed 5 % except during one six-minute period in any one hour in which visible emissions shall not exceed 10% opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-50-20, 9 VAC 5-50-260, & Condition V.A.11 of 10/29/2003 SOP)
12. The emission sources in the Solvent Recovery Department are subject to the provisions of 40 CFR Part 63 Subpart F. This process unit does not use as a reactant or manufacture as a product or co-product any organic HAPs from table 2 of 40 CFR Part 63 Subpart F. Therefore, 40 CFR 63.103(e) states that this process unit shall comply only with the requirements of 63.103(e) and that this process unit is not required to comply with the provisions of 40 CFR 63 Subpart A.
(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110)
13. Process particulate emissions from the Celco Preparation, Solvent Recovery, Filament, and Filter Products operations shall be less than or equal to 29.0 lbs/hr.
(9 VAC 5-40-260.A)
14. All particulate emissions from the preparation semiworks process shall be controlled by a fabric filter. The fabric filter shall be equipped with a device to continuously measure the differential pressure drop across the fabric filter. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times.
(9 VAC 5-80-1100, Condition 3 of the 2/3/03 NSR permit, and 9 VAC 5-50-260)
15. The annual throughput of the preparation semiworks process shall not exceed 2190 tons of cellulose acetate, calculated monthly as the sum of each consecutive twelve (12) month period.
(Condition 4 of the 2/3/03 NSR Permit, and 9 VAC 5-170-160)
16. Emissions from the operation of the preparation semiworks process shall not exceed the limits specified below:

Particulate Matter (PM)	1.8 lbs/hr	0.8 tons/yr
PM-10	1.8 lbs/hr	0.8 tons/yr

Emissions shall be calculated as the sum of each consecutive 12 month period.
(9 VAC 5-50-260, 9 VAC 5-170-160, Condition 5 of the 2/3/03 NSR Permit, and 9 VAC 5-80-1100)
17. Visible emissions from the preparation semiworks process shall not exceed five (5) percent opacity except during one six-minute period in any hour in which visible emissions shall not exceed 10% opacity.
(9 VAC 5-50-80, 9 VAC 5-170-160, Condition 6 of the 2/3/03 NSR permit, and 9 VAC 5-80-1100)

B. Monitoring - (See Also Facility wide Requirements)

1. Each Preparation Department fabric filter baghouse shall be equipped with a device to continuously measure the differential pressure drop across the fabric filter. The device shall be installed in an accessible location and shall be maintained by the permittee such that differential pressure is measured at least once each hour that a baghouse is in operation. This device shall be operated continuously except for brief periods of equipment maintenance and malfunction. Pressure drop shall be checked and recorded at least once per each week the unit is operating.

(9 VAC 5-80-110 E and Condition V.B.1 of 10/29/2003 SOP)

2. Operation & Maintenance Procedures – The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance on the Preparation Department dust collectors (baghouses).

- b. Develop an inspection schedule, monthly at a minimum, to insure the operational integrity of the Preparation Department dust collectors (baghouses) and maintain records of inspection results.

- c. Have available written operating procedures for the Preparation Department dust collectors (baghouses). These procedures shall be based on the manufacturer's recommendations, at a minimum.

- d. Train operators in the proper operation of the Preparation Department dust collectors (baghouses)-and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

- e. Maintain an inventory of spare parts that are needed to maintain the Preparation Department dust collectors (baghouses) in proper working order.

Records of maintenance, inspections and training shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.

(9 VAC 5-50-20E, Condition V.B.2 of 10/29/2003 SOP)

C. Recordkeeping - (See also Facility Wide Requirements)

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:

1. Hours of operation of the Semco Flake Handling Unit.

2. Differential pressure drop readings recorded once each calendar week that the Preparation Department baghouses are operated.
3. Annual throughput of cellulose acetate flake through the CA live bottom truck unloading facility, calculated monthly as the sum of each consecutive twelve (12) month period.
4. Scheduled and unscheduled maintenance and operator training records.
5. Annual throughput of cellulose acetate through the preparation semiworks process, calculated as the sum of each consecutive 12 month period.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-260, 2/3/02 NSR permit, and Condition V.C of 10/29/2003 SOP)

D. Testing- (See also Facility Wide Requirements)

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30 & Condition V.D.1 of 10/29/2003 SOP)

E. Reporting - (See also Facility Wide Requirements)

The reporting requirements for this section are satisfied by the recordkeeping requirements in this section and by the General Permit Conditions in the Facility-Wide and General Requirements section

VI. Process Equipment Requirements –Wastewater Treatment Plant

A. Limitations -(See also Facility Wide Requirements)

1. The permittee is authorized to store the plant's process wastewater in the Waste Water Treatment Plant (WTP) Diversion Tanks. A change in the materials stored may require a permit to modify and operate.
(9 VAC 5-80-10, 9 VAC 5-170-160, & Condition VI.A.1 of 10/29/2003 SOP)
2. Volatile Organic Compound (VOC) emissions from the two new WTP diversion tanks shall be controlled by a catalytic fume incinerator having a 95 % destruction efficiency. The fume incinerator shall be provided with adequate access for inspection.
(9 VAC 5-80-10 H, 9 VAC 5-50-260, & Condition VI.A.2 of 10/29/2003 SOP)
3. The catalytic fume incinerator shall maintain a combustion zone temperature of at least 750 ⁰F and a retention time of 0.12 seconds. The rated fuel burning capacity of the catalytic fume incinerator is one million Btu/hr of propane liquefied petroleum gas. This condition applies at

all times except during startup, shutdown and malfunction.
(9 VAC 5-80-10 H & Condition VI.A.3 of 10/29/2003 SOP)

4. The annual throughput of wastewater in these two tanks combined shall not exceed 1073 million gallons, calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-170-160 & Condition VI.A.4 of 10/29/2003 SOP)
5. Visible emissions from the catalytic fume incinerator shall not exceed 5 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 20 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.
(9 VAC 5-170-160, 9 VAC 5-50-20, & Condition VI.A.5 of 10/29/2003 SOP)
6. Emissions from the operation of the two wastewater treatment plant diversion tanks shall not exceed the limits specified below:

Volatile Organic	7.2 lbs/hr	5.5 tons/yr
Compounds		

(9 VAC 5-50-260, 9 VAC 5-50-180, & Condition VI.A.6 of 10/29/2003 SOP)
7. Process particulate emissions from the Celco WWTP operations, other than from fuel burning equipment, shall be less than or equal to 30.5 lbs/hr.
(9 VAC 5-40-260.A)

B. Monitoring - (See Also Facility wide Requirements)

1. Operation & Maintenance Procedures – The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:
 - a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance for the WTP catalytic fume incinerator.
 - b. Develop an inspection schedule, monthly at a minimum, to insure the operational integrity of the WTP catalytic fume incinerator and maintain records of inspection results.
 - c. Have available written operating procedures for the WTP catalytic fume incinerator. These procedures shall be based on the manufacturer's recommendations, at a minimum.
 - d. Train operators in the proper operation of the WTP catalytic fume incinerator. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

- e. Maintain an inventory of spare parts that are needed to maintain the WTP catalytic fume incinerator in proper working order.

Records of maintenance, inspections and training shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.

(9 VAC 5-50-20E, Condition VI.B.1 of 10/29/2003 SOP)

2. The WTP catalytic fume incinerator shall be equipped with devices to continuously measure and record the temperature before and after the catalyst bed, and the pressure drop across the catalyst bed. These temperatures and differential pressure shall be measured at least once each hour that the WTP catalytic fume incinerator is in operation. These instruments shall be operated continuously except for brief periods of equipment maintenance and malfunction.

(9 VAC 5-80-10 H & Condition VI.B.2 of 10/29/2003 SOP)

C. Recordkeeping- (See also Facility Wide Requirements)

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, West Central Regional Office. These records shall include, but are not limited to:
 - a. Results of all stack tests, visible emission evaluations and performance evaluations.
 - b. Scheduled and unscheduled maintenance, and operator training for the catalytic fume incinerator.
 - c. The annual throughput of waste water, calculated monthly as the sum of each consecutive twelve (12) month period.
 - d. The temperature before and after the catalyst bed and the pressure drop across the catalyst bed for the catalytic fume incinerator.
 - e. The manufacturer's recommendations for catalyst bed replacement and records of actual catalyst bed replacement for the WTP catalytic fume incinerator.
 - f. Liquid level of diversion tanks while catalytic fume incinerator is out of service.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50, 9 VAC 5-50-260, 9 VAC 5-80-10 H, Condition VI.C.2.a, b, c, d, e, & f of 10/29/2003 SOP)

D. Testing- (See also Facility Wide Requirements)

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30, Condition VI.D.1 of 10/29/2003 SOP)

E. Reporting- (See also Facility Wide Requirements)

The reporting requirements for this section are satisfied by the recordkeeping requirements in this section and by the General Permit Conditions in the Facility-Wide and General Requirements section.

VII. Process Equipment Requirements – Jet Department

This section of the permit contains terms and conditions from 40 CFR 63.340, Subpart N- National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks. As used in this section, all terms and conditions shall have the meaning as defined in 40 CFR 63.2 and 40 CFR 63.341.

A. Limitations

1. Except where this permit is more restrictive than the applicable requirement, the chromium plating equipment shall be operated in accordance with 40 CFR 63 Subpart N, National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks and in accordance with 40 CFR 63 Subpart A, General Provisions, according to the applicability of 40 CFR 63 Subpart A as identified in Table 1 of 40 CFR 63 Subpart N. Note: 40 CFR Part 63, Subpart N allows for the use of a control device(s) for compliance purposes. The use of control device(s) was not required to comply with this MACT. Therefore, for conciseness, MACT terms and conditions identified as potentially pertaining only to control devices have not been included in this permit.
(9 VAC 5-80-110, 9 VAC 5-60-80, 9 VAC 5-60-100, & 40 CFR 63.340)
2. Emissions of Chromium from the plating bath shall not exceed 1.3×10^{-5} gr/dscf. This limit applies at all times except during periods of malfunction.
(9 VAC 5-80-110, 9 VAC 5-60-90, 9 VAC 5-60-100, & 40 CFR 63.342(c)(1)(ii))

B. Monitoring

1. Monitor and record once per shift the pressure drop, temperature, bath concentration, amperage, fan operation and general working condition of the equipment according to the Operation and Maintenance Manual required in Condition B.2 of this section of the permit.
(9 VAC 5-80-110, 9 VAC 5-60-90, 9 VAC 5-60-100, & 40 CFR 63.343(c))

2. **Work Practice Standards:** The permittee shall prepare an Operations and Maintenance Plan. The plan shall include the following:
 - a. The operational and maintenance criteria for the affected source and a standardized checklist documenting operations and maintenance of the equipment.
 - b. The plan shall specify procedures to be followed to ensure that malfunctions due to poor maintenance or preventable conditions do not occur.
 - c. The plan shall include a system for identifying malfunctions of equipment and monitoring devices and implementing corrective actions.
 - d. If the plan fails to address or inadequately addresses a malfunction, the plan shall be revised within 45 days to adequately address a similar malfunction. Revisions or modifications to the plan do not require a revision of the source's Title V permit.

(9 VAC 5-80-110, 9 VAC 5-60-90, 9 VAC 5-60-100, & 40 CFR 63.342(f)(3))

C. Recordkeeping - (See also Facility Wide Requirements)

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this section of the permit. The format of such records shall be arranged with the Director, West Central Regional Office. These records are:

1. Records of compliance monitoring required by Condition B.1 of this section of the permit.
2. Inspection reports and scheduled and non-scheduled maintenance for the chrome plating bath tank; for the rectifier and its amperage monitor; for the tank heating system and temperature controller; and for the chrome plating bath tank ventilation fan, its fume collection system, and its pressure monitor.
3. Copies of reports required by condition E.1 of this section of the permit.
4. Plating bath equipment operator training.
5. The operations and maintenance plan shall be retained for the life of the affected source, or until the source is no longer subject to 40 CFR 63 Subpart N. Superseded versions of the plan shall be maintained for 5 years from the date superseded.
6. Records of the actions taken during a malfunction, of the determination whether actions taken during a malfunction are inconsistent with the operating plan, and of the malfunction report submitted to WCRO, DEQ.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-40-50, 9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.342(f)(3))

D. Testing- (See also Facility Wide Requirements)

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.

(9 VAC 5-40-30 & 9 VAC 5-8--110)

E. Reporting

The permittee shall submit a semiannual Ongoing Compliance Status Report to the Director, West Central Regional Office and to EPA, Region 3, Director, Air Protection Division. The time periods to be addressed are January 1 to June 30 and July 1 to December 31. The permittee shall submit the report to DEQ no later than **March 1** and **September 1**, respectively of each calendar year. The report shall contain the following information:

1. Name and address of the company.
2. Identification of the operating parameter that is monitored.
3. The emission limitation for the affected source, and the operating parameter value or range that corresponds to compliance with the emission limitation.
4. The beginning and ending dates of the reporting period.
5. A brief description of the type of process.
6. The total operating time of the affected source during the reporting period.
7. Summary of operating parameter values, total duration of excess emissions and a breakdown total duration of excess emissions due to process upsets, other known causes, and unknown causes.
8. Certification by a responsible official that the work practice standards in 40 CFR 63.342 were followed, or an explanation of the reasons for not following the Operations and Maintenance Plan, an assessment of excess emissions and a copy of the reports required by 40 CFR 63.342(f)(3)(iv) documenting the plan was not followed.
9. Description of any changes in monitoring, processes, or controls since the last reporting period.

10. The report shall be dated and include the name, title and signature of the person certifying accuracy of the report.
11. If, for any reason, the affected facilities fail or malfunction and may cause excess emissions for more than one hour, the owner shall notify the Director, West Central Regional Office according to Failure/Malfunction Reporting condition in the General Conditions section of this permit. If actions taken during a malfunction are inconsistent with the operating plan, the permittee shall record the actions taken during the malfunction and report to the Director, WCRO, DEQ, by phone or fax, and to the EPA Region 3, MACT Compliance Coordinator, by fax, within two days of commencing activities inconsistent with the plan, followed by a written letter within seven (7) days after the end of the event.
(9 VAC 5-80-110, 9 VAC 5-60-90, 9 VAC 5-60-100, 40 CFR 63.347(f)(3), & 40 CFR 63.347(g)(3))

VIII. Facility Wide Conditions

A. Limitations

1. **Existing Source Standard for Visible Emissions**
Unless otherwise specified in this permit, no owner or other person shall cause or permit to be discharged into the atmosphere from any existing source any visible emissions which exhibit greater than 20% opacity, except for one six-minute period in any one hour of not more than 60% opacity. Failure to meet the requirements of this section because of the presence of water vapor shall not be a violation of this section. Opacity shall be determined in accordance with 40 CFR, Part 60, Appendix A, Method 9.
(9 VAC 5-170-160, 9 VAC 5-80-110 & 9 VAC 5-40-80)
2. **New Source Standard for Visible Emissions**
Unless otherwise specified in this permit, no owner or other person shall cause or permit to be discharged into the atmosphere from any new source, visible emissions which exhibit greater than 20% opacity, except for one six-minute period in any one hour of not more than 30% opacity. Failure to meet the requirements of this section because of the presence of water vapor shall not be a violation of this section. Opacity shall be determined in accordance with 40 CFR, Part 60, Appendix A, Method 9.
(9 VAC 5-170-160, 9 VAC 5-80-110, 9 VAC 5-50-80, and Condition VIII.A.1 of 10/29/2003 SOP)
3. **Violation of Ambient Air Quality Standard** - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.
(9 VAC 5-20-180 I, 9 VAC 5-80-110 & Condition, and Condition VIII.A.2 of 10/29/2003 SOP)

B. Monitoring

1. Visible Emissions:

At least one time per calendar week, an observation for the presence of visible emissions from each emissions unit capable of generating opacity and with a visible emissions requirement specified in sections II through section VII of this permit shall be made. If visible emissions are observed the permittee shall:

- a. take timely corrective action and re-conduct the observation for the presence of visible emissions to ensure that the emissions unit capable of generating opacity has resumed operation with no visible emissions, or
- b. conduct a visible emission evaluation (VEE) in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six minutes, to assure visible emissions from the emissions unit capable of generating opacity are less than or equal to either 20 percent opacity or the opacity limit specified in sections II through section VII of this permit for an emissions unit, whichever is lower. If the 6-minute average opacity recorded during this VEE exceeds the opacity limitation established for an emissions unit specified in sections II through section VII of this permit that is capable of generating opacity, the observation period shall continue until a total of three 6-minute periods of observation have been completed. Timely corrective action shall be taken, if necessary, such that the emissions unit capable of generating opacity resumes operation within its opacity limit.
- c. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular emissions unit capable of generating opacity, the permittee may reduce the monitoring frequency to once per month for that stack. The permittee shall notify the Director, West Central Regional Office, when the monitoring frequency is reduced from at least each calendar week to at least each calendar month. Anytime a monthly visible emissions evaluation (conducted in accordance with 2. above) show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain an observation log to demonstrate compliance. The log shall include the date and time of the observations, name of the observer, whether or not there were visible emissions, any VEE recordings and any necessary corrective action.
(9 VAC 5-80-110 E)

C. RECORDKEEPING

1. For each of the following vessels subject to NSPS Subpart Kb requirements, the permittee shall maintain a record of:
 - a. the volatile organic liquid (VOL) stored,
 - b. the period of storage of the VOL,
 - c. the maximum true vapor pressure of that VOL during the respective storage period,
 - d. the dimension of the storage vessel
 - e. an analysis showing the capacity of the storage vessel

<u>Emission Unit Description</u>
Glacial Acetic Acid Storage Tank No. 113
Glacial Acetic Acid Tank 105
Glacial Acetic Acid Tank107
Replacement Vats 21 and 22 (Future)
Replacement Vats 33, 34, and 35 (Future)

(9 VAC 5-50-400, 9 VAC 5-50-410, 9 VAC 5-80-110, 40 CFR 60.116b(c) , Condition IV.A.3 & VII.C.1 of 10/29/2003 SOP)

D. Testing

1. The permitted facility shall be constructed to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-40-30, 9 VAC 5-50-30, & 9 VAC 5-80-110)
2. If compliance testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a
NOx	EPA Method 7
SO2	EPA Method 6
CO	EPA Method 10
PM/PM-10	EPA Methods 5, 17
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

E. Reporting

1. The permittee shall notify the Director, West Central Region, within 30 days, when the maximum true vapor pressure of the VOL stored in the vessel exceeds 27.6 kPa, for each of the vessels listed in ConditionC of this section of the permit.
(9 VAC 5-50-400, 9 VAC 5-50-410, 9 VAC 5-80-110, 40 CFR 60.116b(c))

IX. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted	Rated Capacity
1D8TK002S1	Calcium Chloride Brine Storage Tank	9 VAC 5-80-720 A-42	NA	
	Waste Oil Tank	9 VAC 5-80-720 C-3	NA	<1000 gal
1D6TK002S1	Sulfuric Acid Tank	9 VAC 5-80-720 A-42	NA	
1D6TK004S1	Sulfuric Acid Head Tank	9 VAC 5-80-720 A-42	NA	
1D6TK005S1	Sulfuric Acid Head Tank	9 VAC 5-80-720 A-42	NA	
1D9TK008S1	Hydrogen Peroxide Tank	9 VAC 5-80-720 A-42	NA	
1D9TK009S1	Hydrogen Peroxide Tank	9 VAC 5-80-720 A-42	NA	
1D9BW001S1	B Washers in No. 1 through No. 6 Finishing Lines (6)	9 VAC 5-80-720 B	VOC	
1D9BW001S1	B Washers in No. 7 & No. 8 Finishing Line (2)	9 VAC 5-80-720 B	VOC	
ACID RECOVERY DEPARTMENT				
1ARVT001S1	D-10 Sewer	9 VAC 5-80-720 A.80	VOC	
	D-10 Lab Hoods (9)	9 VAC 5-80-720 A.18	VOC	
1ARVT006S1	Sample Jug Drain Tank in Pump Room	9 VAC 5-80-720 A.28	VOC	
1ARVT007S1	D-10 Sample Drain Tank	9 VAC 5-80-720 A.28	VOC	
PREPARATION/FILAMENT/FILTER PRODUCTS/EXTRUSION/SOLVENT RECOVERY				
4TXVT001S1	Bobbin Stripper (Hot Air Knife) (2)	9 VAC 5-80-720 B	NA	
4TXVT002S1	Beam Cleaning (water based "Handi Spray")	9 VAC 5-80-720 B	NA	
	No. 18, 19 Chiller room (emergency exhaust to outside - R123 chillers)	9 VAC 5-80-720 B	CFC	
4TXMS001S1	Plastic Heat Sealer in Reclaim Battery Charging Stations (2)	9 VAC 5-80-720 B	NA	
2SRAD001S1	Carbon Adsorber Unit No. 1	9 VAC 5-80-720 B-1.	PM10	
2SRAD002S1	Carbon Adsorber Unit No. 2	9 VAC 5-80-720 B-1.	PM10	
2SRAD003S1	Carbon Adsorber Unit No. 3	9 VAC 5-80-720 B-1.	PM10	
2SRAD004S1	Carbon Adsorber Unit No. 4	9 VAC 5-80-720 B-1.	PM10	
2SRAD005S1	Carbon Adsorber Unit No. 5	9 VAC 5-80-720 B-1.	PM10	
2SRAD006S1	Carbon Adsorber Unit No. 6	9 VAC 5-80-720 B-1.	PM10	
2SRAD007S1	Carbon Adsorber Unit No. 7	9 VAC 5-80-720 B-1.	PM10	
2SRAD008S1	Carbon Adsorber Unit No. 8	9 VAC 5-80-720 B-1.	PM10	
2SRAD009S1	Carbon Adsorber Unit No. 9	9 VAC 5-80-720 B-1.	PM10	
2SRAD010S1	Carbon Adsorber Unit No. 10	9 VAC 5-80-720 B-1.	PM10	
2SRAD011S1	Carbon Adsorber Unit No. 11	9 VAC 5-80-720 B-1.	PM10	

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted	Rated Capacity
<u>Equipment Linked to Adsorbers:</u>	Preparation Mixer (13) Preparation Plate Bath (3) Preparation Bldg. 2 MeO Storage Tank Preparation Residue Mixer (12) Preparation Basket Soak Tank (4) Solvent Recovery Tank Farm Vent Condenser Jet Manufacturing Acetone Baths Metier Stations Bobbin Cleaning Station Managed Building Air	9 VAC 5-80-720 B-1.	PM10	
	Prep Mineral Oil Storage Tanks (2)	9 VAC 5-80-720 B-2	VOC	7,500 gal
	FP G-Oil & Mineral Oil Storage Tanks (3)	9 VAC 5-80-720 B-2	VOC	13,000 gal
	FP ST-90 Mineral Oil Storage Tank	9 VAC 5-80-720 B-2	VOC	3,100 gal
	FP Finish Oil Tank	9 VAC 5-80-720 C-3	VOC	800 gal
	Filament Finish Oil Tanks (3)	9 VAC 5-80-720 C-3	VOC	800 gal
	Filament ST-90 Emulsion Tanks (3)	9 VAC 5-80-720 B-2	VOC	8000 gal
2SRTK004S1	Biocide Storage Tank	9 VAC 5-80-720 B-2	VOC	
2SRTK005S1	MeO Storage Tank	9 VAC 5-80-720 B-2	VOC	1500 gal
2SRTK006S1	B32 MeO Drawoff Holding Tank	9 VAC 5-80-720 B-2	VOC	
2SRBG001S1	"Blue Goose" Carbon Bed Adsorber Removal System	9 VAC 5-80-720 B-1	PM	
2SRTK001S1	50% Caustic Storage Tank	9 VAC 5-80-720 A-42.	NA	
2SRTK002S1	50% Caustic Storage Tank	9 VAC 5-80-720 A-42	NA	
2SRTK003S1	Cooling Tower Caustic Storage Tank	9 VAC 5-80-720 A-42	NA	
	<u>WWTP</u>			
3WWTK001S1	IPS Emergency Backup Generator Diesel Tank #1	9 VAC 5-80-720 A-41	VOC	<1000 gal
3WWTK002S1	IPS Emergency Backup Generator Diesel Tank #2	9 VAC 5-80-720 A-41	VOC	<1000 gal
	Ammonium Bisulfate Storage Tank	9 VAC 5-80-720 A-42	NA	8000 gal
WWTK006S1	Ferric Chloride Tank	9 VAC 5-80-720 A-42	NA	
3MSDC001S1	Drum Cleaning Station and Oil/Water Separator	9 VAC 5-80-720 B-2	VOC	
<u>JET MANUFACTURING</u>				
5JMTV002S1	Sulfuric Acid & Nitric Acid Bath (Jet Acid Bath)	9 VAC 5-720 A-42	NA	
5JMTV003S1	Candle Cleaning Nitric/Sulfuric Bath	9 VAC 5-720 A-42	NA	
5JMTV003S2	Candle Cleaning Oakite Bath	9 VAC 5-720 A-42	NA	
<u>MAINTENANCE COMPLEX/GENERAL FACILITIES</u>				
3MTPB001S1	Maintenance Paint Spray Booth	9 VAC 5-80-720 B	VOC	< 2000 gal paint sprayed/ yr
3MSPM001S1	Fire Water Pump Diesel Motor	9 VAC 5-80-720 C	PM10	235 BHP
3MSPM002S1	Fire Water Pump Diesel Motor	9 VAC 5-80-720 C	PM10	235 BHP
3MSPM003S1	Fire Water Pump Diesel Motor	9 VAC 5-80-720 C	PM10	357 BHP
3MSPM004S1	Fire Water Pump Diesel Motor	9 VAC 5-80-720 C	PM10	357 BHP
3MSTK001S1	#3 Fire Water Pump Diesel Tank	9 VAC 5-80-720 A-41	VOC	< 500 gal
3MSTK002S1	#4 Fire Water Pump Diesel Tank	9 VAC 5-80-720 A-41	VOC	< 500 gal
3MSTK003S1	#5 Fire Water Pump Diesel Tank	9 VAC 5-80-720 A-41	VOC	< 500 gal
3MSTK004S1	#6 Fire Water Pump Diesel Tank	9 VAC 5-80-720 A-41	VOC	< 500 gal
3BHVT001S1	CaCl2 Freon Purge Unit - (#1,3,4)	9 VAC 5-80-720 B	CFC	

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted	Rated Capacity
3BHVT002S1	MeCl2 Freon Purge Unit - (#6,7,8)	9 VAC 5-80-720 B	CFC	
3MSTK008S1	Diesel Tank at Landfill	9 VAC 5-80-720 A-41	VOC	
3MTCY001S1	Carpenter Shop Cyclone	9 VAC 5-80-720 A-11	PM10	
3LFTK001S1	Landfill Leachate Collection Tank	9 VAC 5-80-720 A-42	NA	
3WWTK001S1	IPS Diesel Tank No. 1	9 VAC 5-80-720 A-41	VOC	< 500 gal
3WWTK002S1	IPS Diesel Tank No. 2	9 VAC 5-80-720 A-41	VOC	< 500 gal
3MTWS001S1	Welding Stations	9 VAC 5-80-720 B	VOC	< 500 gal

The citation criteria for insignificant activities are as follows:

9 VAC 5-80-720 A - Listed Insignificant Activity, Not Included in Permit Application

9 VAC 5-80-720 B - Insignificant due to emission levels

9 VAC 5-80-720 C - Insignificant due to size or production rate

These insignificant emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

X. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
40 CFR 61 Subpart FF	NESHAP for Benzene Waste Operations	Plant no longer actually uses benzene.
40 CFR 60 Subpart NNN	Standards of Performance for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations	1/26/96 memo from DEQ documents that NSPS does not apply to the Isopropanol still installed as the AR unit.
40 CFR 63 Subpart UUUU	National Emission Standards for Hazardous Air Pollutants for Cellulose Products Manufacturing	8/1/2002 memo from T. Thompson of DEQ documents that this MACT regulation does not apply to the facility
40 CFR 61 Subpart J	National Emission Standard for Equipment Leaks (Fugitive Emission Sources) of Benzene	Plant no longer actually uses benzene.

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to

obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law. (9 VAC 5-80-140)

XI. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable. (9 VAC 5-80-110 N)

B. Permit Expiration

This permit shall become invalid five years from the date of issuance. The permittee shall submit an application to Director, West Central Regional Office for renewal of this permit no earlier than 18 months and no later than six months prior to the date of expiration of this permit. Upon receipt of a complete and timely application for renewal, this source may continue to operate subject to final action by the DEQ on the renewal application. (9 VAC 5-80-110 D and 9 VAC 5-80-80 F)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

- a) The date, place as defined in the 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 such analyses.
- f) The operating conditions existing at the time of sampling or measurement.

(9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. 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.

(9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. The submission dates listed are recommended. Other dates may be inserted at the discretion of the region. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G. (Note that much of the recordkeeping required by this permit also serves as required periodic monitoring to determine emissions compliance and therefore needs to be addressed in the periodic reports.) The details of the reports are to be arranged with the Director, West Central Regional Office. The reports shall include:

a) The time period included in the report. The time periods to be addressed are July 1 to December 31 and January 1 to June 30.

b) All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

(1) Exceedance of emissions limitations or operational restrictions;

(2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

(3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

c) If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

d) The report shall be sent to the following address:

VA DEQ
Director, West Central Regional Office
ATTN: Air Compliance Manager
3019 Peters Creek Road
Roanoke, VA 24019

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and to DEQ no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The submission date listed in this condition is recommended. Another date may be inserted at the discretion of the West Central Regional Office. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.
2. The identification of each term or condition of the permit that is the basis of the certification.
3. The compliance status.
4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.
5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.
6. Such other facts as the permit may require to determine the compliance status of the source.

This annual compliance certification shall be sent to the following addresses:

VA DEQ
Director, West Central Regional Office
ATTN: Air Compliance Manager
3019 Peters Creek Road
Roanoke, VA 24019

U. S. Environmental Protection Agency, Region III
Clean Air Act Title V Compliance Certification (3AP00)
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, West Central Regional Office, within four (4) daytime business hours of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the occurrence, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next quarterly and semi-annual compliance monitoring report required by this permit.

(9 VAC 5-80-250)

F. Failure/Malfunction Reporting

If, for any reason, the affected facilities or related air pollution control equipment fails or malfunctions and may cause excess emissions for more than one hour, the owner shall notify the Director, West Central Regional Office, within four (4) daytime business hours after the malfunction is discovered. In addition, the owner shall provide a written statement, within 14 days, explaining the problem, corrective action taken, and the estimated duration of the breakdown/shutdown. The opacity limits in this permit apply at all times except during periods of malfunction and as otherwise provided in this permit.

(9 VAC 5-20-180 C)

G. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

The opacity limits in this permit apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in this permit.

(9 VAC 5-50-20, 9 VAC 5-40-20)

H. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the conditions of paragraph 2 are met.
2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

- a) A malfunction occurred and the permittee can identify the cause or causes of the malfunction.
- b) The permitted facility was at the time being properly operated.
- c) During the period of malfunction, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit.
- d) The permittee notified the board of the malfunction within two working days following the time when the emissions limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, telegraph, or any other method that allows the permittee to comply with the deadline. The notice fulfills the requirement of 9 VAC 5-80-110 F.2. b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirements under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any requirement applicable to the source.

(9 VAC 5-80-250)

I. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;
2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;
4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,
5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90 & 9 VAC 5-50-90)

J. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.

(9 VAC 5-80-110 G.1)

K. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.

(9 VAC 5-80-110 G.2)

L. Need to Halt or Reduce Activity not a Defense

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.

(9 VAC 5-80-110 G.3)

M. Permit Modification

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1790, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.

(9 VAC 5-80-190 and 9 VAC 5-80-260)

N. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.

(9 VAC 5-80-110 G.5)

O. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board 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 Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality. (9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G. (9 VAC 5-80-110 K.1)

P. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-305 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-355. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by **April 15** of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.

(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

Q. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.

(9 VAC 5-80-110 J)

R. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.
4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

S. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 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 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator 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.
2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

T. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.

(9 VAC 5-80-150 E)

U. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.

(9 VAC 5-80-260 and 9 VAC 5-80-190C)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.

(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F

(40 CFR Part 82, Subparts A-F)

Y. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.

(40 CFR Part 68)

Z. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

(9 VAC 5-80-110 I)

AA. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.
2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)

BB. Asbestos Requirement

The permittee shall comply with the requirements of National Emission Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150). The Virginia Department of Labor and Industry under Section 40.1-51.20 of the Code of Virginia also holds authority to enforce 40 CFR 61 subpart M, National Emission Standards for Asbestos.

(9 VAC 5-60-70 and 9 VAC 5-80-110A.1)