

**Iowa Department of Natural Resources
Title V Operating Permit**

Name of Permitted Facility: 3M (Minnesota Mining & Manufacturing Co.)

Facility Location: 3406 E. Pleasant Street, Knoxville, Iowa 50138

Air Quality Operating Permit Number: 01-TV-025R2-M002

Expiration Date: June 16, 2020

Permit Renewal Application Deadline: December 16, 2019

EIQ Number: 92-3629

Facility File Number: 63-01-001

Responsible Official

Name: Robert Manemann

Title: Plant Manager

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Permit Contact Person for the Facility

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This permit is issued in accordance with 567 Iowa Administrative Code Chapter 22, and is issued subject to the terms and conditions contained in this permit.

For the Director of the Department of Natural Resources

Lori Hanson, Supervisor of Air Operating Permits Section

Date

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Abbreviations

acfm.....	actual cubic feet per minute
CFR.....	Code of Federal Regulations
CE	control equipment
CEM.....	continuous emission monitor
EIQ.....	emissions inventory questionnaire
°F.....	degrees Fahrenheit
EP.....	emission point
EU	emission unit
gr./100 cf.....	grains per one hundred cubic feet
gr./dscf	grains per dry standard cubic foot
IAC.....	Iowa Administrative Code
DNR	Iowa Department of Natural Resources
KW	kilowatts per hour
MMCF/hr	million cubic feet per hour
MVAC.....	motor vehicle air conditioner
NSPS	new source performance standard
ppmv.....	parts per million by volume
lb/hr	pounds per hour
lb/MMBtu	pounds per million British thermal units
SCC	Source Classification Codes
scfm.....	standard cubic feet per minute
SIC	Standard Industrial Classification
TPY	tons per year
USEPA.....	United States Environmental Protection Agency

Pollutants

PM.....	particulate matter
PM ₁₀	particulate matter ten microns and less in diameter
SO ₂	sulfur dioxide
NO _x	nitrogen oxides
VOC	volatile organic compounds
CO.....	carbon monoxides
HAP.....	hazardous air pollutants

I. Facility Description and Equipment List

Facility Name: 3M (Minnesota Mining and Manufacturing Co.)

Permit Number: 01-TV-025R2-M002

Facility Description: Tape Manufacturing (SIC 2672)

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
002-015	GEN 002	Emergency Generator	99-A-219
003-003	P1	Mix Tank	NA
	P2	Mix Tank	
003-020	P1	Mix Tank (Fugitives)	NA
003-051	P2		
003-064	9NFT	Flame Treater	93-A-139-S5
003-074	9NIO	9N Inert Oven Emergency Bypass	93-A-141-S5
003-078	DIE CLEAN	Die Cleaning	93-A-144
003-079	9N HMC	Coater #1	93-A-142-S5
003-081		Coater #2	93-A-143-S5
003-080	L1MO	Resin Storage Tank	93-A-149
	MIT1	Resin Storage Tank	93-A-147
	S1T1	Resin Storage Tank	93-A-148
	Mixer	Mixer	93-A-146
003-083	S1G1	Resin Melter and Storage Tank Vent Bypass	93-A-150
		Resin Melter and Storage Tank Vent	
003-097	B1	Blend Tank (2878 gallons)	92-A-655-S3
	B2	Blend Tank (2878 gallons)	
	VP-Glass Silo	Vacuum Pump - Glass Silo	
	BX	Premix Tank (50 gallons)	
	BH	Premix Tank (50 gallons)	
	BI	Premix Tank (50 gallons)	
	FX	Feed Tank (50 gallons)	
	FH	Feed Tank (50 gallons)	
	FI	Feed Tank (50 gallons)	
	FIOA	Isopropyl Alcohol Tank (200 gallons)	
	FAA	Acrylic Acid Tank (50 gallons)	
	BM	Storage Tank (10 gallons)	
	M1	Mixer	
M2	Mixer		
M3	Mixer		

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
003-097	S1	Batch Storage Mix Tank (2878 gallons)	92-A-655-S3
	S2	Batch Storage Mix Tank (3886 gallons)	
	S3	Batch Storage Mix Tank (3886 gallons)	
	S4	Batch Storage Mix Tank (3886 gallons)	
	S5	Batch Storage Mix Tank (2878 gallons)	
	S6	Batch Storage Mix Tank (2878 gallons)	
	S7	Batch Storage Mix Tank (2878 gallons)	
	8NC R1	Coating Tank (25 gallons)	
	8NC R2	Coating Tank (30 gallons)	
	SURGE1	Adhesive Mix Tank (137 gallons)	
	SURGE2	Adhesive Mix Tank (137 gallons)	
	SURGE3	Adhesive Mix Tank (137 gallons)	
	SURGE4	Adhesive Mix Tank (100 gallons)	
	SURGE5	Adhesive Mix Tank (100 gallons)	
	SURGE 6	Adhesive Mix Tank (100 gallons)	
	FLUSH1	Adhesive and IOA Flush Tank (100 gallons)	
FLUSH2	Adhesive and IOA Flush Tank (100 gallons)		
003-108	9NS1	9N Area Ventilation System	98-A-626-S1
003-110	9NS1	Plastic Adhesive Coating (9N Bypass)	05-A-467
003-111	MOGUL 1	Mogul 1	07-A-1538-S1
	CRIHT2	Hold Tank #2	
	CHURN2	Churn #2	
	CR2 2S	2-South Blender	
	CR3 S3	3-South Blender	
	CR1 MT2	Compounding Mix Tank #2	
004-004	1NS1	Coater	NA
004-005	1NO	Drying/Coating (1N Bypass Stack)	90-A-152-S3
	1ND2	Drying/Coating (1N Bypass Stack)	
004-006	2NAD1	Dryer (2N Bypass Stack)	90-A-153-S6
	2NAD2	Dryer (2N Bypass Stack)	
	2NBO	Dryer (2N Bypass Stack)	
	2NBD	Dryer (2N Bypass Stack)	
004-007	2NAS2	Coater (Internally Vented)	NA
	2NAS3	Coater (Internally Vented)	NA
004-008	1NS2	Coater (Internally Vented)	NA
	1NS3	ADH Coater (Internally Vented)	NA
	2NBS1	Coater (Internally Vented)	NA

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
	5NS1	Coater (Internally Vented)	NA
	5NS2	Coater (Internally Vented)	NA
	6NS1	Coater (Internally Vented)	NA
	8NS1	Coater (Internally Vented)	NA
004-009	Tank 04-03	Storage Tank	98-A-662-S1
004-010	Tank 04-04	Adhesive Storage Tank	98-A-663-S1
004-011	Tank 04-05	Adhesive Storage Tank	98-A-664-S1
004-012	5NO1	Dryer (5N/6N Bypass Stack)	90-A-154-S5
	5NO2	Dryer (5N/6N Bypass Stack)	
	6ND	Coater (5N/6N Bypass Stack)	
	5N Die Cleaning	Die Cleaner (5N/6N Bypass Stack)	
004-013	5NCT	Corona Treater	NA
004-015	6NS2	Coater	NA
004-018	1NADH	Hold Tank (Internally Vented)	NA
	FC3	Mix Tank (Internally Vented)	NA
	FC4	Mix Tank (Internally Vented)	NA
	SI1	Mix Tank (Internally Vented)	NA
	SI2	Mix Tank (Internally Vented)	NA
	Die Clean 2	Die Cleaning Station	13-A-458
004-029	2NBS3	Coater	NA
004-031	6N Chamber	Cure Chamber	07-A-939-S1
004-034			07-A-938-S2
004-042	9NRC	Spray Coating Booth	93-A-145
004-055	Tank 04-01	Storage Tank	98-A-660
004-056	Tank 04-02	Storage Tank	98-A-661
004-057	Tank 04-06	Storage Tank	98-A-665
004-060	Tank 04-08	Storage Tank	98-A-667
004-061	Tank 04-07	Storage Tank	98-A-666
004-064	8NC	8N Cure Chamber	92-A-653-S4
004-065	8NCT	Corona Treater	94-A-545-S5
004-067	6NS1	6N-1 Plastic Adhesive Coating Chamber	95-A-290-S2
004-069	8NS1	8N Coating Station	92-A-652-S4
004-076	8NC R1	Coating Tank (25 gallons)	92-A-654-S2
	8NC R2	Storage Tank (30 gallons)	
004-077	Tank 04-10	Storage Tank	93-A-152
004-078	Tank 04-09	Storage Tank	93-A-151-S1
004-047	6N Enclosure	Web Seal Exhaust	NA
004-079		Coater	93-A-341
004-080	8NC	Coater	01-A-840
004-081	8N Enclosure	Coater	01-A-841
004-088			
*004-085	2NB ADH	Adhesive Storage Tank	NA

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
004-118	Die Clean E&W	Die Cleaning Tank and Cart Cleaning Exhaust	95-A-457-S1
004-120	04-INAM-A-05	Storage Tank	00-A-824
004-123	5NCT2	5N Corona Treater #2	08-A-163-S1
005-008	Resin Dumper	Resin Dumper	76-A-271
005-018	Mch 01	Rubber Milling	76-A-269
	Mch 02	Rubber Mixing	
	COMPD Dumpster	Trash Dumpster	
	Extruder	Extruding	
005-028	Mch 09	Powder Mixer	93-A-364
005-034	Mch 02	Rubber Mixing	76-A-270
*005-046	CR2 2N	Solvent/Rubber/Resin Blender	NA
*005-047	CR1 MT1	Solvent/Resin Mix Tank	NA
*005-049	CR1 HT1	Solvent Hold Tank	NA
*005-050	CR1 HT2	Solvent Tank	NA
005-051	Churn 1	Mix Tank	02-A-384-S1
005-054	Mogul 1	ADH Mixer (Bypass Stack)	07-A-1539-S1
005-055	Mogul 1	ADH Mixer (Bypass Stack)	07-A-1540-S1
007-001	1ND2	Dryer	08-A-332-S2
	2NAD1	Dryer	
	2NAD2	Dryer	
007-005	1NO	Drying Coating	05-A-448-S5
	2NBD	Drying	
	2NBO	Drying	
	5NO1	Drying	
	5NO2	Drying	
	6ND	Drying	
	9NSI	Plastic Adhesive Coater	
	Mogul 1	Mixer	
	CR1HT2	Hold Tank #2	
	CHURN 2	Churn #2	
	CR2 2S	2-South Blender	
	CR3 3S	3-South Blender	
CR1 MT2	Compounding Mix Tank #2		
007-030	Boiler 1	Boiler 1 (72 MMBtu/hr)	76-A-181-S2
007-031	Boiler 2	Boiler 2 (72 MMBtu/hr)	76-A-182-S2
007-071	GEN 007	Diesel Generator (896 bhp)	10-A-524
008-001	PUMPHOUSE BOILER	Pump House Boiler Stack	Exempt
008-002	GEN 008	Firewater Diesel Pump	Exempt
*010-001	Tank 1	Solvent Storage Tank	NA
*010-002	Tank 2	Solvent Storage Tank	NA
*010-003	Tank 3	Solvent Storage Tank	NA
*010-004	Tank 4	Solvent Storage Tank	NA
*010-005	Tank 5	Solvent Storage Tank	NA
010-006	Tank 10-6	Storage Tank	NA
*010-007	Tank 7	Solvent Storage Tank	NA

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
010-008	Tank 10-8	Storage Tank	NA
*010-011	Tank 11	Solvent Storage Tank	NA
*010-012	Tank 12	Solvent Storage Tank	NA
010-013	Tank 13	Recovered Solvent Tank	94-A-451-S2
010-018	Tank 18	Glass Bubbles Storage Tank	99-A-224
019-002	7NS1	Coater	94-A-167
019-003	7NC	Cure Chamber/Dryer	NA
019-004			
019-005			
019-006	13JE	Extruder	NA
019-008	14JCT	Corona Treater	90-A-364-S1
019-012	7NDL1	Delaminator	94-A-166
019-013	7NDM	7N Drum Pump & Mixing (1 st and 2 nd floor)	93-A-366 & 367
019-065	13JCT	Two-sided Corona Treater	98-A-1164-S1
022-001	AATNK	Storage Tank	NA
029-004	IMF2	IMF2	15-A-228
00X-00X	Transfer Rack 6	Recovered Xylene Loadout	NA
	TR Comp RM1	Toluene Transfer Rack to Compounding	
	Coating MIXRM TR	Toluene Transfer Rack to Coating Mix Room	
	General W/O ELC	General Piping without Electronic Level Control	
	General W/ELC	General Piping with Electronic Level Control	

* These emission points do not have emission point-specific conditions and are listed in Section IV of this permit.

Insignificant Activities Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
14JE	14J Extruder
1NS4	1N Hot Melt Coater
5N Tank 1	Hold Tank (165 gallons)
5N Tank 2	Hold Tank (165 gallons)
6NVPR	6N Coater Vacuum Pull Roll
7NSURF	Coating ingredients storage tank (130 gallons)
Ber1	Berringer Screen Cleaner
CMDrums	Mix Drums
Core Tank 1	Core Tank 1 (200 gallons coating ingredients)
Core Tank 2	Core Tank 2 (200 gallons)
CR1DM	Drum Mix
D9N	Mix Tank
DB1 & DB2	Water based adhesive storage tanks
DB3&4	Mix Tank
Diesel Tank FireW	Diesel fuel storage tank
Diesel Tank Gen 002	Diesel storage tank for Generator 002
IPA	IPA hold tank (330 gallons)
L2	L2 Process Oil Tank (150 gal)
N1MO	Molten Antioxidant Tank (35 gallons associated with 003-080)
Pigment Tank	Pigment tank (65 gallons)
Poly 1	Poly 1
Poly 2	Poly 2
R1 S,D, & W	Rubber pellet storage, drop, & weight
R2 S,D, & W	Rubber pellet storage, drop, & weight
Tank 10	Tank Farm Tank 10 (60,000 gallons)
YARD TRACTOR	Diesel Fuel Tank
YARDGASOLINE	Gasoline Tank for Yard Equipment

II. Plant-Wide Conditions

Facility Name: Minnesota Mining & Manufacturing (3M)
Permit Number: 01-TV-025R2-M002

Permit conditions are established in accord with 567 Iowa Administrative Code rule 22.108

Permit Duration

The term of this permit is: 5 years
Commencing on: June 17, 2015
Ending on: June 16, 2020

Amendments, modifications and reopenings of the permit shall be obtained in accordance with 567 Iowa Administrative Code rules 22.110 - 22.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 22.115.

Emission Limits

Unless specified otherwise in the Source Specific Conditions, the following limitations and supporting regulations apply to all emission points at this plant:

Opacity (visible emissions): 40% opacity
Authority for Requirement: 567 IAC 23.3(2)"d"

Sulfur Dioxide (SO₂): 500 parts per million by volume
Authority for Requirement: 567 IAC 23.3(3)"e"

Particulate Matter:

No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed after July 21, 1999, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot of exhaust gas, except as provided in 567 – 21.2(455B), 23.1(455B), 23.4(455B) and 567 – Chapter 24.

For sources constructed, modified or reconstructed prior to July 21, 1999, the emission of particulate matter from any process shall not exceed the amount determined from Table I, or amount specified in a permit if based on an emission standard of 0.1 grain per standard cubic foot of exhaust gas or established from standards provided in 23.1(455B) and 23.4(455B).
Authority for Requirement: 567 IAC 23.3(2)"a"

Fugitive Dust: Attainment and Unclassified Areas - A person shall take reasonable precautions to prevent particulate matter from becoming airborne in quantities sufficient to cause a nuisance as defined in Iowa Code section 657.1 when the person allows, causes or permits any materials to be handled, transported or stored or a building, its appurtenances or a construction haul road to be

used, constructed, altered, repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved roads. Ordinary travel includes routine traffic and road maintenance activities such as scarifying, compacting, transporting road maintenance surfacing material, and scraping of the unpaved public road surface. (the preceding sentence is State Only) All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The public highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not be limited to, the following procedures.

1. Use, where practical, of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of suitable materials, such as but not limited to asphalt, oil, water or chemicals on unpaved roads, material stockpiles, race tracks and other surfaces which can give rise to airborne dusts.
3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, fertilizer or limestone.
4. Covering, at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.
5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.
6. Reducing the speed of vehicles traveling over on-property surfaces as necessary to minimize the generation of airborne dusts.

Authority for Requirement: 567 IAC 23.3(2)"c"

NESHAP Requirements

40 CFR Part 63 Subpart JJJJ

Numerous emission units at this facility are affected sources under Subparts A (General Provisions, 40 CFR §63.1 – 40 CFR §63.15) and JJJJ [National Emission Standards for Hazardous Air Pollutants for Paper and Other Web Coating, 40 CFR §63.3280 – 40 CFR §63.3420] of the National Emission Standard for Hazardous Air Pollutants (NESHAP).

See Appendix A for a link to the Standard.

Authority for Requirement: 40 CFR Part 63 Subpart JJJJ

567 IAC 23.1(4)"cj"

DNR Construction Permits 93-A-139-S5, 93-A-141-S5, 93-A-143-S5, 93-A-142-S5, 98-A-626-S1, 05-A-467, 90-A-152-S3, 90-A-153-S6, 90-A-154-S5, 07-A-939-S1, 07-A-938-S2, 95-A-290-S2, and 05-A-448-S5.

40 CFR Part 63 Subpart HHHHH

Many emission units at this facility are affected sources under Subparts A (General Provisions, 40 CFR §63.1 – 40 CFR §63.15) and HHHHH [National Emission Standards for Hazardous Air Pollutants for Miscellaneous Coating Manufacturing, 40 CFR §63.7980 – 40 CFR §63.8105] of the National Emission Standard for Hazardous Air Pollutants (NESHAP).
See Appendix A for a link to the Standard.

Authority for Requirement: 40 CFR Part 63 Subpart HHHHH
567 IAC 23.1(4)"dh"
DNR Construction Permits 07-A-1538, 07-A-1539, 07-A-1540, and
05-A-448-S5.

40 CFR Part 63 Subpart FFFF

Many emission units at this facility are affected sources under Subparts A (General Provisions, 40 CFR §63.1 – 40 CFR §63.15) and FFFF [National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Manufacturing, 40 CFR §63.2430 – 40 CFR §63.2550] of the National Emission Standard for Hazardous Air Pollutants (NESHAP).
See Appendix A for a link to the Standard.

Authority for Requirement: 40 CFR Part 63 Subpart FFFF
567 IAC 23.1(4)"cf"

40 CFR Part 63 Subpart DDDDD

The emissions units Boiler1, Boiler2, and PUMPHOUSE BOILER are subject to regulation under the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters (567 IAC 23.1(4)"dd", 40 CFR Part 63, Subpart DDDDD).
See Appendix A for a link to the Standard.

Authority for Requirement: 40 CFR Part 63 Subpart DDDDD

40 CFR Part 63 Subpart ZZZZ

Emission units GEN 002, GEN 007, and GEN 008 are affected sources under Subparts A (General Provisions, 40 CFR §63.1 – 40 CFR §63.15) and ZZZZ [National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE MACT), 40 CFR §63.6580 – 40 CFR §63.6675] of the National Emission Standard for Hazardous Air Pollutants (NESHAP).
See Appendix A for a link to the Standard.

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"

40 CFR Part 63 Subpart EEEE

Non-gasoline organic liquid storage tanks and transfer racks located at this facility are affected sources under Subparts A (General Provisions, 40 CFR §63.1 – 40 CFR §63.15) and EEEE [National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline), 40 CFR §63.2330 – 40 CFR §63.2406] of the National Emission Standard for Hazardous Air Pollutants (NESHAP). The affected units are Tank 04/04, Tank 04-01, Tank 04-06, Tank 04-07, Tank 04-09, Tank 10-06, Tank 10-08, AATNK, Transfer Rack 6, TR Comp RM1, Coating MIXRM TR, General W/O ELC, and General W/ELC. See Appendix A for a link to the Standard.

Authority for Requirement: 40 CFR Part 63 Subpart EEEE
567 IAC 23.1(4)"ce"

40 CFR Part 63 Subpart KK

Emission units engaged in rotogravure printing located at this facility are affected sources under Subparts A (General Provisions, 40 CFR §63.1 – 40 CFR §63.15) and KK [National Emission Standards for Hazardous Air Pollutants: Printing and Publishing Industry, 40 CFR §63.820 – 40 CFR §63.839] of the National Emission Standards for Hazardous Air Pollutants (NESHAP). The affected units are 2NAD1, and 2NAD2. See Appendix A for a link to the Standard.

Authority for Requirement: 40 CFR Part 63 Subpart KK
567 IAC 23.1(4)"ak"

NSPS Requirements

40 CFR Part 60 Subpart RR

The permittee is responsible for ensuring that subject coating operations follow all of the regulations specified in Subpart RR [Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations, 40 CFR §60.440- 40 CFR§60.447] of the Standard of Performance for New Stationary Sources (NSPS). These conditions include, but are not limited to:

- The permittee must obtain a minimum of a 90% VOC reduction calculated over one calendar month. After the performance test, the overall VOC reduction must be greater than or equal to the overall VOC reduction obtained during the initial compliance test. Instead of the above standard, the permittee may demonstrate that no more than 0.2 kg of VOC is emitted per kg of coating solids applied.
- If the thermal oxidizer is used, a temperature measuring device must be installed, calibrated, and maintained, which will measure the combustion temperature and the exhaust gas temperature at the point of discharge from the thermal oxidizer to the stack. During operation the combustion temperature of the thermal oxidizer, with the exception of process start-ups or shutdowns, shall be maintained at a minimum of within 50 degrees F of the temperature recorded during the most recent performance test. The facility shall record and report all 3-

hour periods when the combustion temperature drops more than 50 °F below the temperature measured during the most recent performance test.

1) The following calculations must be performed as specified in 40 CFR 60 subpart RR: The permittee must calculate a weighted average of the mass of solvents (or VOC emitted), per mass of coating solids applied in this operation. This must be done according to the procedures found in subpart RR, 60.443a(2) as follows:

$$G = \frac{\sum_{i=1}^n W_{ai} M_{ci}}{\sum_{i=1}^n W_{si} M_{ci}}$$

Where:

G = the calculated weighted average mass (lb.) of VOC per mass (lb.) of coating solids applied each calendar month

W_{ai} = the weight fraction of organics applied of each coating (i) applied during a calendar month as determined from Reference Method 24 or coating manufacturer's data.

W_{si} = the weight fraction of solids applied of each coating (i) applied during a calendar month as determined from Reference Method 24 or coating manufacturer's data.

M_{ci} = the total mass (lb.) of each coating (i) applied during a calendar month as determined from facility records.

For each affected facility where the value of G is less than or equal to 0.20 lb. of VOC per lb. of coating solids applied, the affected facility is in compliance with 40 CFR §60.442(a)(1)

40 CFR §60.443(b): To determine compliance with 40 CFR §60.442(a)(2), the owner or operator shall calculate the required overall VOC emission reduction according to the following equation:

$$R_q = \frac{G - 0.20}{G} \times 100$$

If R_q is less than or equal to 90 percent, then the required overall VOC emission reduction is R_q . If R_q is greater than 90 percent, then the required overall VOC emission reduction is 90 percent.

40 CFR §60.442(d): Where compliance with the emission limit specified in Sec. 60.442(a)(2) is achieved through the use of a solvent destruction device, the owner or operator shall determine calendar monthly compliance by comparing the monthly required overall VOC emission reduction specified in paragraph (b)(1) of this section to the overall VOC emission reduction demonstrated in the most recent performance test which complied with Sec. 60.442(a)(2). If the monthly required overall VOC emission reduction is less than or equal to the overall VOC reduction of the most recent performance test, the affected facility is in compliance with Sec. 60.442(a)(2).

40 CFR §60.442(e): Where compliance with Sec. 60.442(a)(2) is achieved through the use of a solvent destruction device, the owner or operator shall continuously record the destruction device

combustion temperature during coating operations for thermal incineration destruction devices or the gas temperature upstream and downstream of the incinerator catalyst bed during coating operations for catalytic incineration destruction devices. For thermal incineration destruction devices the owner or operator shall record all 3-hour periods (during actual coating operations) during which the average temperature of the device is more than 28 deg.C (50 deg.F) below the average temperature of the device during the most recent performance test complying with Sec. 60.442(a)(2). For catalytic incineration destruction devices, the owner or operator shall record all 3-hour periods (during actual coating operations) during which the average temperature of the device immediately before the catalyst bed is more than 38 deg.C (50 deg.F) below the average temperature of the device during the most recent performance test complying with Sec. 60.442(a)(2), and all 3-hour periods (during actual coating operations) during which the average temperature difference across the catalyst bed is less than 80 percent of the average temperature difference of the device during the most recent performance test complying with Sec. 60.442(a)(2).

- 2) The following records must be kept, as specified in 40 CFR 60.445 subpart RR, which show the following. All required quantities must be averaged (rolling average) on a monthly basis.
 - a) Quantity of each solvent (VOC) and solid used in this coating line.
 - b) All calculations performed
 - c) Combustion temperature of the thermal oxidizer and the exhaust gas temperature prior to gasses discharging from oxidizer to stack (if used).

Based on the information supplied by the facility, every attempt has been made to include the applicable requirements of 40 CFR 60 subpart RR. The owner / operator shall refer to the subpart to determine if any additional requirements apply.
See Appendix A for a link to the Standard.

Authority for Requirement: 40 CFR 60 subpart RR
567 IAC 23.1(2)"qq"
DNR Construction Permit(s): 92-A-652-S4, 92-A-653-S4, 93-A-139-S5, 93-A-141-S5, 93-A-142-S5, 93-A-143-S5, 98-A-626-S1, 01-A-840, 01-A-841

40 CFR Part 60 Subpart IIII

Emission unit GEN 007, Diesel Generator, is an affected source under Subpart IIII [Standards of Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, 60.4200-60.4219] of the New Source Performance Standards (NSPS).
See Appendix A for a link to the Standard.

Authority for Requirement: 40 CFR 60 Subpart IIII
567 IAC 23.1(2)"qq"
DNR Construction Permit: 10-A-542

III. Emission Point-Specific Conditions

Facility Name: 3M (Minnesota Mining & Manufacturing Co.)
Permit Number: **01-TV-025R2-M002**

Emission Point ID Number: 002-015

Associated Equipment

Associated Emission Unit ID Number: GEN 002

Emission Unit vented through this Emission Point: GEN 002
Emission Unit Description: Emergency Generator
Raw Material/Fuel: Diesel Fuel Oil
Rated Capacity: 400 HP (1.02 MMBtu/hr)

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40% ⁽¹⁾
Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permit 99-A-219

⁽¹⁾If emissions above the indicator opacity (25%) are observed other than at start-up, shut-down, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.31 lb/MMBtu
Authority for Requirement: DNR Construction Permit 99-A-219

Pollutant: Sulfur Dioxide (SO₂)
Emission Limit(s): 2.5 lb/MMBtu
Authority for Requirement: 567 IAC 23.3(3)"b"
DNR Construction Permit 99-A-219

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

Hours of operation:

A. This generator shall not be operated more than 500 hours per rolling twelve-month period.

Authority for Requirement: DNR Construction Permit 99-A-219

Process throughput:

B. This emission unit shall combust number 1 (or number 2) fuel oil with a sulfur content that does not exceed 0.5 percent.

Authority for Requirement: DNR Construction Permit 99-A-219
567 IAC 23.3(3)"b"

C. The facility shall monitor the percent of sulfur in the fuel as delivered to accurately track the SO_x emissions. The amount of fuel purchased and the sulfur content shall be used to calculate the overall sulfur content of all the fuel as combusted on a rolling twelve month average. The sulfur content shall be used to calculate the actual SO_x emissions. The sulfur content can be vendor supplied or facility generated.

Authority for Requirement: 567 IAC 22.108(3)

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

A. Record the hours this generator operates per month. Calculate rolling twelve-month totals.

Authority for Requirement: DNR Construction Permit 99-A-219

NSPS and NESHAP Requirements

This emergency engine is subject to 40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). According to 40 CFR 63.6590(a)(1)(ii) this compression ignition emergency engine, located at a major source, is an existing stationary RICE as it was constructed prior to June 12, 2006.

Compliance Date

Per 63.6595(a)(1) you must comply with the provisions of Subpart ZZZZ that are applicable by May 3, 2013.

Fuel Requirements

No requirements except (beginning January 1, 2015) if you own or operate an existing emergency compression ignition stationary engine with a site rating of more than 100 bhp and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii), you must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel. Those requirements include a maximum sulfur content of 15 ppm (0.0015%) by weight and a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume. 40 CFR 63.6604(b)

Operation and Maintenance Requirements 40 CFR 63.6602, 63.6625, 63.6640 and Tables 2c and 6 to Subpart ZZZZ

1. Change oil and filter every 500 hours of operation or annually, whichever comes first. (See 63.6625(i) for the oil analysis option to extend time frame of requirements.)
2. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first, and replace as necessary.
3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
4. Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
5. Install a non-resettable hour meter if one is not already installed.
6. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

Operating Limits 40 CFR 63.6640(f)

1. Any operation other than emergency operation, maintenance and testing, emergency demand response and operation in non-emergency situations (*up to*) 50 hours per year is prohibited.
2. There is no time limit on the use of emergency stationary RICE in emergency situations.
3. You may operate your emergency stationary RICE up to 100 combined hours per calendar year for maintenance checks and readiness testing, emergency demand response and periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency. See 40 CFR 63.6640(f)(2) for additional information and restrictions.
4. You may operate your emergency stationary RICE up to 50 hours per calendar year for non-emergency situations, but those 50 hours are counted toward the 100 hours of maintenance and testing and emergency demand response. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

Recordkeeping Requirements 40 CFR 63.6655

1. Keep records of the maintenance conducted on the stationary RICE.

2. Keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. Document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. See 40 CFR 63.6655(f) for additional information.

Notification and Reporting Requirements 40 CFR 63.6645, 63.6650 and Table 2c to Subpart ZZZZ

1. An initial notification is not required per 40 CFR 63.6645(a)(5).
2. A report may be required for failure to perform the work practice requirements on the schedule required in Table 2c. (See Footnote 1 of Table 2c for more information.)
3. If you own or operate an emergency stationary RICE with a site rating of more than 100 bhp that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii), you must submit an annual report. See 40 CFR 63.6650(h) for additional information.

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 32

Stack Diameter (inches): 6

Stack Exhaust Flow Rate (cfm): 2960

Stack Temperature (°F): 755

Authority for Requirement: DNR Construction Permit 99-A-219

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 003-003, 003-020, 003-051

Associated Equipment

Associated Emission Unit ID Numbers: P1 and P2

Emission Unit vented through this Emission Point: P1 and P2

Emission Unit Description: Two Mix Tanks

Raw Material/Fuel: VOC, Acrylic Acid

Rated Capacity: 30 gallons, each tank

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

These emission units are subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart FFFF, Miscellaneous Organic Chemical Manufacturing.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart FFFF
567 IAC 23.1(4)"cf"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 003-064

Associated Equipment

Associated Emission Unit ID Numbers: 9NFT

Emission Unit vented through this Emission Point: 9NFT
Emission Unit Description: Flame Treater
Raw Material/Fuel: Natural Gas
Rated Capacity: 2 burners, each rated at 0.4 MMBTU/hr

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO₂)
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 139.8 lb/hr ⁽¹⁾; 612 tons/yr ⁽¹⁾
Authority for Requirement: DNR Construction Permit 93-A-139-S5

⁽¹⁾ This limit represents the maximum possible allowable emissions based on NSPS Subpart RR and the equipment capacity for the entire 9N line.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

- A. Compliance shall be demonstrated for NSPS Subpart RR per 40 CFR §60.443 and 40 CFR §60.444.
- B. Compliance shall be demonstrated for NESHAP Subpart JJJJ per 40 CFR §63.3370.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. All necessary records to demonstrate compliance with NSPS Subpart RR.
- B. Monitoring and recordkeeping for NSPS Subpart RR shall be done per 40 CFR §60.445.
- C. Monitoring for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3400.
- D. Recordkeeping for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3410.

Authority for Requirement: DNR Construction Permit 93-A-139-S5

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

This emission unit is subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". This unit is subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart.

Authority for Requirement: DNR Construction Permit 93-A-139-S5
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"
40 CFR 60 Subpart RR
567 IAC 23.1(2)"qq"

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 42
Stack Diameter (inches): 15.5
Stack Exhaust Flow Rate (scfm): 5500
Stack Temperature (°F): 150
Discharge Style: Vertical unobstructed
Authority for Requirement: DNR Construction Permit 93-A-139-S5

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 003-074 (Emergency Bypass for 9N Inert Oven)

Associated Equipment

Associated Emission Unit ID Numbers: 9IO

Emission Unit vented through this Emission Point: 9IO

Emission Unit Description: Inert Oven

Raw Material/Fuel: Adhesive

Rated Capacity: 1398 lb/hr

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 139.8 lb/hr ⁽¹⁾; 612 tons/yr ⁽¹⁾

Authority for Requirement: DNR Construction Permit 93-A-141-S5

- ⁽¹⁾ This limit represents the maximum possible allowable emissions based on NSPS Subpart RR and the equipment capacity for the entire 9N line.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

- A. Compliance shall be demonstrated for NSPS Subpart RR per 40 CFR §60.443 and 40 CFR §60.444.
- B. Compliance shall be demonstrated for NESHAP Subpart JJJJ per 40 CFR §63.3370.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. All necessary records to demonstrate compliance with NSPS Subpart RR.
- B. Monitoring and recordkeeping for NSPS Subpart RR shall be done per 40 CFR §60.445.
- C. Monitoring for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3400.
- D. Recordkeeping for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3410.

Authority for Requirement: DNR Construction Permit 93-A-141-S5

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR Part 63 Subpart JJJJ, Paper and Other Web Coating.

This emission unit is subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". This unit is subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart.

Authority for Requirement: 40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"
40 CFR 60 Subpart RR
567 IAC 23.1(2)"qq"
DNR Construction Permit 93-A-141-S5

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 54
Stack Diameter (inches): 8
Stack Exhaust Flow Rate (scfm): 1,000
Stack Temperature (°F): 200
Discharge Style: Vertical unobstructed
Authority for Requirement: DNR Construction Permit 93-A-141-S5

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 003-078

Associated Equipment

Associated Emission Unit ID Numbers: DIE CLEAN

Applicable Requirements

Emission Unit vented through this Emission Point: DIE CLEAN
Emission Unit Description: Die Cleaning
Raw Material/Fuel: MEK and Heptane
Rated Capacity: 0.11 gal/hr

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

No Applicable Requirements per DNR Construction Permit 93-A-144.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

None at this time.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 003-079 and 003-081

Associated Equipment

Associated Emission Unit ID Numbers: 9N HMC

Applicable Requirements

Emission Unit vented through this Emission Point: 9NHMC
Emission Unit Description: Coater #1 and Coater #2
Raw Material/Fuel: Rubber/Resin
Rated Capacity: 3510 lb/hr (Coater #1) and 3500 lb/hr (Coater #2)

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Emission Limits for EP 003-079 Only

Pollutant: Opacity

Emission Limit: 40% ⁽¹⁾

⁽¹⁾An exceedance of the indicator opacity of 10% will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g. stack testing).

Authority for Requirement: DNR Construction Permit 93-A-142-S5
568 IAC 23.3(2)"d"

Pollutant: Particulate Matter (PM)

Emission Limit: 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 93-A-142-S5
567 IAC 23.3(2)"a"

Emission Limits for EP 003-079 and 003-081

Pollutant: Volatile Organic Compounds (VOC)

⁽¹⁾Emission Limit(s): 139.8 lb/hr; 612 tons/yr

⁽¹⁾The emission standards are variable. These limits represent the maximum possible allowable emissions based on NSPS Subpart RR and the equipment capacity for the entire 9N line.

Authority for Requirement: DNR Construction Permits 93-A-142-S5, 93-A-143-S5

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

- A. Compliance shall be demonstrated for NSPS Subpart RR per 40 CFR §60.443 and 40 CFR §60.444.
- B. Compliance shall be demonstrated for NESHAP Subpart JJJJ per 40 CFR §63.3370.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. All necessary records to demonstrate compliance with NSPS Subpart RR.
- B. Monitoring and recordkeeping for NSPS Subpart RR shall be done per 40 CFR §60.445.
- C. Monitoring for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3400.
- D. Recordkeeping for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3410.

Authority for Requirement: DNR Construction Permits 93-A-142-S5, 93-A-143-S5

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

This emission unit is subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". This unit is subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart.

Authority for Requirement: DNR Construction Permits 93-A-142-S5, 93-A-143-S5
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"
40 CFR 60 Subpart RR
567 IAC 23.1(2)"qq"

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Emission Point Number	Associated Emission Unit Number	Stack Height (feet)	Stack Diameter (inches)	Stack Exhaust Flow Rate (scfm)	Stack Temperature (°F)	Discharge Style
003-079	9NHMC	43.5	14	800	70	Vertical Unobstructed
003-081		46	8	500	70	Vertical Unobstructed

Authority for Requirement: DNR Construction Permits 93-A-142-S5, 93-A-143-S5

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 003-080

Associated Equipment

Associated Emission Unit ID Numbers: L1M0, M1T1, S1T1, MIXER, and S1G1

Emission Unit vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Storage Capacity (gallons)	Rated Capacity (lb/hr)	Construction Permit Number
L1M0	Storage Tank	Liquid Resin	500	342	93-A-149
M1T1	Storage Tank	Liquid Resin	1000	2000	93-A-147
S1T1	Storage Tank	Liquid Resin	1000	2000	93-A-148
MIXER	Mixer	Resin, Rubber, Antioxidants	N/A	3000	93-A-146
S1G1	Resin Melter and Storage Tank Vent Bypass	Resin	N/A	1300	93-A-150

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

No Applicable Requirements per DNR Construction Permit 93-A-146, 93-A-147, 93-A-148, 93-A-149, and 93-A-150

Operation Limits & Requirements

NSPS and NESHAP Requirements

Emission unit S1G1 is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 003-083

Associated Equipment

Associated Emission Unit ID Numbers: S1G1
Emissions Control Equipment ID Number: S1DC
Emissions Control Equipment Description: Dust Collector

Emission Unit vented through this Emission Point: S1G1
Emission Unit Description: Resin Melter and Storage Tank Vent
Raw Material/Fuel: Solid Resin
Rated Capacity: 1726 lbs/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.01 gr/dscf
Authority for Requirement: 567 IAC 23.4(13)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six (6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 003-097

Associated Equipment

Associated Emission Unit ID Numbers: Compounding Blow-Down Tank, See Table: Emission Units

Emissions Control Equipment ID Number: CF1

Emissions Control Equipment Description: Cartridge Filters

Table: Emission Units

Emission Unit vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Rated or Storage Capacity
B1	Blend Tank	Adhesive	400 gal/hr
B2	Blend Tank	Adhesive	400 gal/hr
VP-GLASS SILO	Vacuum Pump – Glass Silo	Inorganic Material	114 lb/hr
BX	Premix Tank	Adhesive	50 gallons
BH	Premix Tank	Adhesive	50 gallons
BI	Premix Tank	Adhesive	50 gallons
FX	Feed Tank	Adhesive	50 gallons
FH	Feed Tank	Adhesive	50 gallons
FI	Feed Tank	Adhesive	50 gallons
FIOA	Isopropyl Alcohol Tank ⁽¹⁾	Isopropyl Alcohol	200 gallons
FAA	Acrylic Acid Tank	Acrylic Acid	50 gallons
BM	Storage Tank	Adhesive	10 gallons
M1	Mixer	Adhesive	916 gallons
M2	Mixer	Adhesive	916 gallons
M3	Mixer	Adhesive	916 gallons
S1	Batch Storage Mix Tank	Adhesive	2878 gallons
S2	Batch Storage Mix Tank	Adhesive	3886 gallons
S3	Batch Storage Mix Tank	Adhesive	3886 gallons
S4	Batch Storage Mix Tank	Adhesive	3886 gallons
S5	Batch Storage Mix Tank	Adhesive	2878 gallons
S6	Batch Storage Mix Tank	Adhesive	2878 gallons
S7	Batch Storage Mix Tank	Adhesive	2878 gallons
8NC R1	Coating Tank	Coating	25 gallons
8NC R2	Coating Tank	Coating	30 gallons
SURGE 1	Adhesive Mix Tank	Adhesive	137 gallons
SURGE 2	Adhesive Mix Tank	Adhesive	137 gallons
SURGE 3	Adhesive Mix Tank	Adhesive	137 gallons
SURGE 4	Adhesive Mix Tank	Adhesive	100 gallons
SURGE 5	Adhesive Mix Tank	Adhesive	100 gallons
SURGE 6	Adhesive Mix Tank	Adhesive	100 gallons

Emission Unit vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Rated or Storage Capacity
FLUSH1	Adhesive and IOA Flush Tank	Adhesive, IOA	100 gallons
FLUSH2	Adhesive and IOA Flush Tank	Adhesive, IOA	100 gallons

⁽¹⁾ This tank currently holds Isooctyl Acrylate.

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 40%⁽¹⁾

Authority for Requirement: DNR Construction Permit 92-A-655-S3
567 IAC 23.3(2)"d"

⁽¹⁾If an opacity measurement exceeds the indicator opacity (25%) this facility should promptly investigate this source and make corrections. However, if after corrections are made the opacity continues to exceed the indicator opacity the Department may require a demonstration of compliance with mass emission limits, i.e. stack tests.

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 92-A-655-S3
567 IAC 23.3(2)"a"

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 0.9 lb/hr; 3.9 tons/yr

Authority for Requirement: DNR Construction Permit 92-A-655-S3

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

Some of these emission units are subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

Some of these emission units are subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart FFFF, Miscellaneous Organic Chemical Manufacturing.

Some of these emission units are subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart HHHHH, Miscellaneous Coating Manufacturing.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart JJJJ
567 IAC Chapter 23.1(4)"cj"
40 CFR 63 Subpart FFFF
567 IAC 23.1(4)"cf"
40 CFR 63 Subpart HHHHH
567 IAC Chapter 23.1(4)"dh"

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 40.1
Stack Diameter (inches): 9
Stack Exhaust Flow Rate (scfm): Natural draft
Stack Temperature (°F): 72
Discharge Style: Vertical unobstructed

Authority for Requirement: DNR Construction Permit 92-A-655-S3

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 003-108

Associated Equipment

Associated Emission Unit ID Number: 9NS1

Emission Unit vented through this Emission Point: 9NS1
Emission Unit Description: 9N Area Ventilation System
Raw Material/Fuel: Coating
Rated Capacity: 1398 lb/hr

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 139.8 lb/hr; 612 tons/yr ⁽¹⁾
Authority for Requirement: DNR Construction Permit 98-A-626-S1

⁽¹⁾The emission standards are variable. These limits represent the maximum possible allowable emissions based on NSPS Subpart RR and the equipment capacity for the entire 9N line.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

- A. Compliance shall be demonstrated for NSPS Subpart RR per 40 CFR §60.443 and 40 CFR §60.444.
- B. Compliance shall be demonstrated for NESHAP Subpart JJJJ per 40 CFR §63.3370.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. All necessary records to demonstrate compliance with NSPS Subpart RR.
- B. Monitoring and recordkeeping for NSPS Subpart RR shall be done per 40 CFR §60.445.
- C. Monitoring for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3400.
- D. Recordkeeping for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3410.

Authority for Requirement: DNR Construction Permit 98-A-626-S1

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

This emission unit is subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". This unit is subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart.

Authority for Requirement: DNR Construction Permit 98-A-626-S1
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"
40 CFR 60 Subpart RR
567 IAC 23.1(2)"qq'

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 44
Stack Diameter (inches): 22
Stack Exhaust Flow Rate (scfm): 10,000
Stack Temperature (°F): 70 Ambient
Discharge Style: Vertical unobstructed

Authority for Requirement: DNR Construction Permit 98-A-626-S1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 003-110 (9N Bypass)

Associated Equipment

Associated Emission Unit ID Numbers: 9NS1

Emission Unit vented through this Emission Point: 9NS1
Emission Unit Description: Plastic Adhesive Coating
Raw Material/Fuel: Adhesive
Rated Capacity: 139.8 lbs/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 139.8 lb/hr; 612 tons/yr ⁽¹⁾
Authority for Requirement: DNR Construction Permit 05- A-467

⁽¹⁾The emission standards are variable. These limits represent the maximum possible allowable emissions based on NSPS Subpart RR and the equipment capacity for the entire 9N line.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

This emission unit is subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". This unit is subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart..

Authority for Requirement: DNR Construction Permit 05- A-467
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"
40 CFR 60 Subpart RR
567 IAC 23.1(2)"qq'

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

- Stack Height, (ft, from the ground): 46
- Stack Opening, (inches, dia.): 17
- Exhaust Flow Rate (scfm): 6,400
- Exhaust Temperature (°F): 80
- Discharge Style: Unobstructed vertical
- Authority for Requirement: DNR Construction Permit 05-A-467

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

- Agency Approved Operation & Maintenance Plan Required?** Yes No
- Facility Maintained Operation & Maintenance Plan Required?** Yes No
- Compliance Assurance Monitoring (CAM) Plan Required?** Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 003-111(Bypass stack)

Associated Equipment

Associated Emission Unit ID Numbers: MOGUL 1, CR1HT2, CHURN2, CR2 S2, CR3 S3, CR1 MT2

Emission Unit Vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Rated Capacity
MOGUL 1	Mogul 1	Toluene, MEK, VOC	350 lb/hr
CR1HT2	Hold Tank #2	Toluene, MEK	90 gal/hr
CHURN2	Churn #2	Toluene, VOC	35 lb/hr
CR2 S2	2-South Blender	Adhesive	375 gal/hr
CR3 S3	3-South Blender	Adhesive	375 gal/hr
CR1 MT2	Compounding Mix Tank #2	Toluene, MEK	115 gal/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 39.4 tons/yr ⁽¹⁾

Authority for Requirement: DNR Construction Permit 07-A-1538-S1

⁽¹⁾ This limit is for the combined total emissions from emission units EU MOGUL1 (Mogul 1), EU CHURN1 (Churn #1), and EU CHURN2 (Churn #2). This limit was established to ensure Project Number 02-245 is minor for the Prevention of Significant Deterioration (PSD) program.

Pollutant: Hazardous Air Pollutants (HAP)

Emission Limit(s): For those units subject to NESHAP Subpart HHHHH, HAP emissions shall be limited per 40 CFR §63.8000 – 40 CFR §63.8030.

Authority for Requirement: DNR Construction Permit 07-A-1538-S1
40 CFR 63 Subpart HHHHH

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

A. Compliance shall be demonstrated for NESHAP Subpart HHHHH in accordance with 40 CFR §63.8000 – 40 CFR §63.8030 or the alternative compliance means in 40 CFR §63.8050 and 40 CFR §63.8055.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

These records shall show the following:

- A. The facility (plant number 63-01-001) shall record the combined total VOC emissions for EU MOGUL1 (Mogul 1), EU CHURN1 (Churn #1), and EU CHURN2 (Churn #2) on a rolling twelve (12) month basis.
- B. Monitoring and recordkeeping for NESHAP Subpart HHHHH shall be done per 40 CFR §63.8000 – 40 CFR §63.8030 and 40 CFR §63.8080.

Authority for Requirement: DNR Construction Permit 07-A-1538-S1

NSPS and NESHAP Requirements

All of the emission units covered by this permit are subject to Subparts A (General Provisions, 40 CFR §63.1 – §63.15) and JJJJ (National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating, 40 CFR §63.3280 – §63.3420) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

The following emission units are also subject to NESHAP Subpart HHHHH (National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing, 40 CFR §63.7980 – §63.8105): Mogul 1 (EU MOGUL1), Churn #2 (EU CHURN2), 2-South Blender (EU CR2 2S), 3-South Blender (EU CR2 3S), and Compounding Mix Tank #2 (EU CR1 MT2).

Authority for Requirement: DNR Construction Permit 07-A-1538-S1
40 CFR 63 Subpart JJJJ
567 IAC Chapter 23.1(4)"cj"
40 CFR 63 Subpart HHHHH
567 IAC Chapter 23.1(4)"dh"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 50.33
Stack Opening, (inches, dia.): 10
Exhaust Flow Rate (scfm): 5400
Exhaust Temperature (°F): 80
Discharge Style: Unobstructed Vertical
Authority for Requirement: DNR Construction Permit 07-A-1538-S1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

- Agency Approved Operation & Maintenance Plan Required?** Yes No
- Facility Maintained Operation & Maintenance Plan Required?** Yes No
- Compliance Assurance Monitoring (CAM) Plan Required?** Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-004

Associated Equipment

Associated Emission Unit ID Numbers: 1NS1

Applicable Requirements

Emission Unit vented through this Emission Point: 1NS1

Emission Unit Description: Coater

Raw Material/Fuel: Coatings-MEK

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

⁽¹⁾Emission Limit(s): Total VOC emissions from emission points 004-005, 004-006, 004-012 (excluding emission unit 6ND), 007-001, and 007-005 (excluding emission unit 9NS1) shall not exceed 2000 tons per rolling twelve month period.

Authority for Requirement: DNR Construction Permits 90-A-152-S3, 90-A-153-S5, 90-A-154-S4, 05-A-448-S5, and 567 IAC 22.108(14)

⁽¹⁾ 3M Knoxville sent a letter dated 04-25-08 requesting that emission points 004-004, 004-007, and 004-029 be included in this 2000 tons/year VOC limit.

Pollutant: Organic Hazardous Air Pollutants (Organic HAP)

Emission Limit(s): Organic HAP emissions shall be limited per 40 CFR §63.3320(b).

Authority for Requirement: 567 IAC 22.108(14)

40 CFR 63 Subpart JJJJ

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

Authority for Requirement: 567 IAC 22.108(3)

40 CFR 63 Subpart JJJJ

567 IAC 23.1(4)"cj"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-005 (1N Bypass Stack)

Associated Equipment

Associated Emission Unit ID Numbers: 1NO and 1ND2

Applicable Requirements

Emission Unit Vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Rated Capacity
1NO	Drying/Coating	Coating	2,283 lb/hr
1ND2	Drying/Coating	Coating	360 lb/hr

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): Total VOC emissions from emission points 004-005, 004-006, 004-012 (excluding emission unit 6ND), 007-001, and 007-005 (excluding emission unit 9NS1) shall not exceed 2000 tons per rolling twelve month period.

Authority for Requirement: DNR Construction Permit 90-A-152-S3

Pollutant: Organic Hazardous Air Pollutants (Organic HAP)

Emission Limit(s): Organic HAP emissions shall be limited per 40 CFR §63.3320(b).

Authority for Requirement: DNR Construction Permit 90-A-152-S3
40 CFR 63 Subpart JJJJ

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

A. Compliance shall be demonstrated for NESHAP Subpart JJJJ per 40 CFR §63.3370.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

A. The facility (plant number 63-01-001) shall record the combined total VOC for emission points 004-005, 004-006, 004-012 (excluding emission unit 6ND), 007-001, and 007-005 (excluding emission unit 9NS1) on a rolling twelve (12) month basis.

- B. Monitoring for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3400.
- C. Recordkeeping for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3410.

Authority for Requirement: DNR Construction Permit 90-A-152-S3

NSPS and NESHAP Requirements

These emission units are subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

Authority for Requirement: DNR Construction Permit 90-A-152-S3
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 125
Stack Opening, (inches, dia.): 60
Exhaust Flow Rate (scfm): 50,000
Exhaust Temperature (°F): 150
Discharge Style: Unobstructed Vertical
Authority for Requirement: DNR Construction Permit 90-A-152-S3

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-006 (2N Bypass Stack)

Associated Equipment

Associated Emission Unit ID Numbers: 2NAD1, 2NAD2, 2NBO, and 2NBD

Emission Unit Vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Rated Capacity
2NAD1	Dryer	Coating	Line speed of 1,800 ft ² /min
2NAD2	Dryer	Coating	Line speed of 1,800 ft ² /min
2NBO	Dryer	Coating	2,280 lb/hr
2NBD	Dryer	Coating	520 lb/hr

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): Total VOC emissions from emission points 004-005, 004-006, 004-012 (excluding emission unit 6ND), 007-001, and 007-005 (excluding emission unit 9NS1) shall not exceed 2000 tons per rolling twelve month period.

Authority for Requirement: DNR Construction Permit 90-A-153-S6

Pollutant: Organic Hazardous Air Pollutants (Organic HAP)

Emission Limit(s): For those units subject to NESHAP Subpart KK, organic HAP emissions shall be limited per 40 CFR §63.825(b). The facility shall limit organic HAP emissions to one of the following:

- 1) No more than 5% of the organic HAP applied for the month; or
- 2) No more than 4% of the mass of inks, coatings, varnishes, adhesives, primers, solvents, reducers, thinners, and other materials applied for the month; or
- 3) No more than 20% of the mass of solids applied for the month.
- 4) To a calculated equivalent allowable mass based on the organic HAP and solids contents of the inks, coatings, varnishes, adhesives, primers, solvents, reducers, thinners, and other materials applied for the month.

Compliance shall be demonstrated per 40 CFR §63.825(d).

For those units subject to NESHAP Subpart JJJJ, organic HAP emissions shall be limited per 40 CFR §63.3320(b). Compliance shall be demonstrated per 40 CFR §63.3370.

Authority for Requirement: DNR Construction Permit 90-A-153-S6
567 IAC 23.1(4)"ak"
567 IAC 23.1(4)"cj"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

- A. The dryers shall fire only natural gas.
- B. For those emission units subject to NESHAP Subpart KK, compliance shall be demonstrated per 40 CFR §63.825 and §63.827.
- C. For those emission units subject to NESHAP Subpart JJJJ, compliance shall be demonstrated per 40 CFR §63.3370.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The facility (plant number 63-01-001) shall record the combined total VOC emissions for emission points 004-005, 004-006, 004-012 (excluding emission unit 6ND), 007-001, and 007-005 (excluding emission unit 9NS1) monthly and calculate the rolling twelve (12) month total.
- B. Recordkeeping for NESHAP Subpart KK shall be done per 40 CFR §63.829 and reporting for NESHAP Subpart KK shall be done per 40 CFR §63.830.
- C. Recordkeeping for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3400 and 40 CFR §63.3410.
- D. Monitoring for NESHAP Subpart KK shall be done per 40 CFR §63.828.
- E. Monitoring for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3350.
- F. The facility shall record the compliance option, found in 40 CFR §63.825, that it is using to meet the emission standards of NESHAP KK.
- G. Should the facility switch to another compliance option found in 40 CFR §63.825, the facility shall notify the Department within 30 days of the switch to the other compliance option.

Authority for Requirement: DNR Construction Permit 90-A-153-S6

NSPS and NESHAP Requirements

These emission units are subject to Subparts A (General Provisions, 40 CFR §63.1 – §63.16).

The emission units associated with Line 2NA are subject to Subpart KK (National Emission Standards for the Printing and Publishing Industry, 40 CFR §63.820 – §63.839) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

The emission units associated with Line 2NB are subject to Subpart JJJJ (National Emission Standards for Hazardous Air Pollutant: Paper and Other Web Coating, 40 CFR §63.3280 – §63.3420) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Authority for Requirement: DNR Construction Permit 90-A-153-S6
40 CFR 63 Subpart KK
567 IAC 23.1(4)"ak"

40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 125
Stack Opening, (inches, dia.): 60
Exhaust Flow Rate (scfm): 50,000
Exhaust Temperature (°F): 150
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 90-A-153-S6

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Stack Testing

Pollutant – Organic Hazardous Air Pollutants (Organic HAP)
Stack Test to be Completed – no later than 180 days after the total amount of material applied by the print stations exceeds 5% of the total amount of material applied by that press in a month (i.e., 180 days after the affected units trigger NESHAP Subpart KK).
Test Method – Per NESHAP Subpart KK 40 CFR §63.827
Authority for Requirement – DNR Construction Permit 90-A-153-S6
40 CFR 63 Subpart KK

The owner of this equipment or the owner’s authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes No
Facility Maintained Operation & Maintenance Plan Required? Yes No
Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-007 (Internally Vented)

Associated Equipment

Associated Emission Unit ID Numbers: 2NAS3, 2NAS2

Emission Unit Vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Rated Capacity
2NAS3	Coater	Coatings	420 lb/hr
2NAS2	Coater	Coatings	420 lb/hr

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

⁽¹⁾Emission Limit(s): Total VOC emissions from emission points 004-005, 004-006, 004-012 (excluding emission unit 6ND), 007-001, and 007-005 (excluding emission unit 9NS1) shall not exceed 2000 tons per rolling twelve month period.

Authority for Requirement: DNR Construction Permits 90-A-152-S3, 90-A-153-S4, 90-A-154-S4, 05-A-448-S5, and 567 IAC 22.108(3)
567 IAC 22.108(14)

⁽¹⁾ 3M Knoxville sent a letter dated 04-25-08 requesting that emission points 004-004, 004-007, and 004-029 be included in this 2000 tons/year VOC limit.

Pollutant: Organic Hazardous Air Pollutants (Organic HAP)

Emission Limit(s): Organic HAP emissions shall be limited per 40 CFR §63.3320(b).

Authority for Requirement: 567 IAC 22.108 (14)
40 CFR 63 Subpart JJJJ

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

These emission units are subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

Authority for Requirement: DNR Construction Permits 90-A-152-S3, 90-A-153-S5, 90-A-154-S3, 05-A-448-S5
567 IAC 22.108(3)
40 CFR 63 Subpart JJJJ

567 IAC 23.1(4)"cj"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-008 (Internally Vented)

Associated Equipment

Associated Emission Unit ID Numbers: 1NS2, 1NS3, 2NBS1, 5NS1, 5NS2, 6NS1, 8NS1

Emission Unit Vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Rated Capacity
1NS2	Coater	Coating	300 lb/hr
1NS3	ADH Coater	Adhesives with VOC, Toluene	1,688 lb/hr
2NBS1	Coater	Coating with VOC, Toluene, MEK, MIBK, Xylene	1,300 lb/hr
5NS1	Coater	Coatings with Toluene, MEK	750 lb/hr
5NS2	Coater	Coatings with VOC, Toluene, and MEK	750 lb/hr
6NS1	Coater	Coating with VOC and Acrylic Acid	113 lb/hr
8NS1	Coater	Coating with VOC and Acrylic Acid	170 lb/min

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

No applicable requirements at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

These emission units are subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

The emission unit 8NS1 is subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". This unit is subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 60 Subpart JJJJ
567 IAC 23.1(4)"cj"
40 CFR 60 Subpart RR

567 IAC 23.1(2)"qq"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-009

Associated Equipment

Associated Emission Unit ID Numbers: Tank 04-03

Applicable Requirements

Emission Unit vented through this Emission Point: Tank 04-03

Emission Unit Description: Storage Tank

Raw Material/Fuel: Adhesive

Rated Capacity: 240 gal/hr

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

- A. The amount of material stored in the storage tank shall not exceed 2,100,000 gallons on a rolling 12-month basis.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The owner or operator shall record and maintain records of the amount of material stored in the storage tank on a rolling 12-month basis.

Authority for Requirement: DNR Construction Permit 98-A-662-S1

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 43
Stack Diameter (inches): 4
Stack Exhaust Flow Rate (scfm): Vent to atmosphere
Stack Temperature (°F): 70
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 98-A-662-S1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-010

Associated Equipment

Associated Emission Unit ID Numbers: Tank 04-04

Applicable Requirements

Emission Unit vented through this Emission Point: Tank 04-04

Emission Unit Description: Storage Tank

Raw Material/Fuel: Adhesive

Rated Capacity: 12,000 gallons

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

- A. The twelve month total, rolled monthly, amount of material stored in storage vessel Tank 4 (04-4) shall not exceed 2,100,000 gallons.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The permit holder shall maintain records on the premises to show the twelve month total, rolled monthly, amount of material stored in storage vessel Tank 4 (04-4).

Authority for Requirement: DNR Construction Permit 98-A-663-S1

NSPS and NESHAP Requirements

This emission unit is subject to Subparts A (General Provisions, 40 CFR §63.1 - §63.15) and Subpart EEEE (National Emission Standards for Hazardous Air Pollutants: *Organic Liquids Distribution (Non-Gasoline)*, §63.2330 – §63.2406) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart EEEE
567 IAC 23.1(4)"ce"

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 43
Stack Diameter (inches): 3
Stack Exhaust Flow Rate (scfm): Working/Breathing Loss
Stack Temperature (°F): 70
Discharge Style: Vertical unobstructed

Authority for Requirement: DNR Construction Permit 98-A-663-S1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-011

Associated Equipment

Associated Emission Unit ID Numbers: Tank 04-05

Applicable Requirements

Emission Unit vented through this Emission Point: Tank 04-05

Emission Unit Description: Storage Tank

Raw Material/Fuel: Adhesive

Rated Capacity: 12,731 gallons

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

- A. The twelve month total, rolled monthly, amount of material stored in the in storage vessel Tank 5 (04-5) shall not exceed 2,100,000 gallons.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The permit holder shall maintain records on the premises to show the twelve month total, rolled monthly, amount of material stored in storage vessel Tank 5 (04-5).

Authority for Requirement: DNR Construction Permit 98-A-664-S1

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 43

Stack Diameter (inches): 3

Stack Exhaust Flow Rate (scfm): Working/Breathing loss

Stack Temperature (°F): Ambient

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 98-A-664-S1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-012 (5N and 6N Bypass Stack)

Associated Equipment

Associated Emission Unit ID Numbers: 5NO1, 5NO2, 6ND, 5N Die Cleaning

Emission Unit Vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Rated Capacity
5NO1	Dryer	Coating	720,000 ft ³ /hr
5NO2	Dryer	Coating	720,000 ft ³ /hr
6ND	Coater	Coating	1,855 lb/hr
5N Die Cleaning	Die Cleaner	Die	48 gal/month

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): This limit is for the combined total emissions from emission points 004-005, 004-006, 004-012, 007-001, and 007-005 (excluding emission unit 9NS1) shall not exceed 2,000 tons VOC/yr.

Authority for Requirement: DNR Construction Permit 90-A-154-S5

Pollutant: Organic Hazardous Air Pollutants (Organic HAP)

Emission Limit(s): Organic HAP emissions shall be limited per 40 CFR §63.3320(b).
Compliance shall be demonstrated per 40 CFR §63.3370.

Authority for Requirement: DNR Construction Permit 90-A-154-S5

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

A. Compliance shall be demonstrated for NESHAP Subpart JJJJ per 40 CFR §63.3370.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

B. The facility (plant number 63-01-001) shall record the combined total VOC for emission

points 004-005, 004-006, 004-012 (excluding emission unit 6ND), 007-001, and 007-005 (excluding emission unit 9NS1) on a rolling twelve (12) month basis.

C. Monitoring for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3400.

D. Recordkeeping for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3410.

NSPS and NESHAP Requirements

The emission units identified above (with the exception of the die cleaning operation) are subject to Subparts A (*General Provisions*, 40 CFR §63.1 - §63.15) and JJJJ (National Emission Standards for Hazardous Air Pollutants: *Paper and Other Web Coating*, 40 CFR §63.3420) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Authority for Requirement: DNR Construction Permit 90-A-154-S5
40 CFR 60 Subpart JJJJ
567 IAC 23.1(4)"cj"

These emission units (excluding emission unit 6ND) are subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". These units are subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 60 Subpart RR
567 IAC 23.1(2)"qq"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 125

Stack Opening, (inches, dia.): 60

Exhaust Flow Rate (scfm): 50,000

Exhaust Temperature (°F): 150

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 90-A-154-S5

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-013

Associated Equipment

Associated Emission Unit ID Number: 5NCT

Emission Unit vented through this Emission Point: 5NCT

Emission Unit Description: Corona Treater

Raw Material/Fuel: Electrical Energy

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

This emission unit is subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". This unit is subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 60 Subpart JJJJ
567 IAC 23.1(4)"cj"
40 CFR 60 Subpart RR
567 IAC 23.1(2)"qq"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-015

Associated Equipment

Associated Emission Unit ID Number: 6NS2

Emission Unit vented through this Emission Point: 6NS2

Emission Unit Description: Coater

Raw Material/Fuel: Coatings with VOC

Rated Capacity: 935 lbs/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit: 43 tons/yr for the 6N Coating Line

Authority for Requirement: DNR Construction Permits 07-A-938-S2, 07-A-939-S1, 93-A-341, and
95-A-290-S2

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 60 Subpart JJJJ
567 IAC 23.1(4)"cj"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-018

Associated Equipment

Associated Emission Unit ID Number: 1NADH, FC3, FC4, SI1, SI2, and Die Clean 2

Emission Unit Vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Rated Capacity
1NADH	Hold Tank	Adhesive	100 gallons
FC3	Mixing Tank	Solvent Solutions	100 gallons
FC4	Mixing Tank	Solvent Solutions	100 gallons
SI1	Mixing Tank	Solvent Solutions	100 gallons
SI2	Mixing Tank	Solvent Solutions	100 gallons
Die Clean 2	Die Cleaning Station	Solvent	5 gallons

Applicable Requirements

For Emission Unit Die Clean 2 Only:

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permit 13-A-458

- ⁽¹⁾ An exceedance of the indicator opacity of “no visible emissions” will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

For Emission Unit Die Clean 2 Only:

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

- A. The solvent usage of this operation is limited to a maximum of 10,000 gallons of solvent per twelve (12) month period, rolled monthly.
- B. The VOC content of any solvent used in this operation shall not exceed 7.88 pounds per gallon.
- C. The solvents used in this operation shall not include methylene chloride (CAS No. 75-09-2), perchloroethylene (CAS No. 127-18-4), trichloroethylene (CAS No. 79-01-6), 1,1,1-trichloroethane (CAS No. 71-55-6), carbon tetrachloride (CAS No. 56-23-5) or chloroform (CAS No. 67-66-3), or any combination of these halogenated HAP solvents, in a total

concentration greater than 5 percent by weight.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. At the end of each month, record the amount (in gallons) of solvent used in this operation over the previously month.
- B. At the end of each month, record the amount (in gallons) of solvent used in this operation over the previously twelve (12) months.
- C. Maintain a copy of a MSDS or other vendor’s documentation showing the VOC content and composition of all solvents used in this operation.

Authority for Requirement: DNR Construction Permit 13-A-458

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 32
Stack Opening, (inches, dia.): 24 x 16
Exhaust Flow Rate (scfm): 4,200
Exhaust Temperature (°F): Ambient (72)
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 13-A-458

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

- Agency Approved Operation & Maintenance Plan Required?** Yes No
- Facility Maintained Operation & Maintenance Plan Required?** Yes No
- Compliance Assurance Monitoring (CAM) Plan Required?** Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-029

Associated Equipment

Associated Emission Unit ID Number: 2NBS3

Applicable Requirements

Emission Unit vented through this Emission Point: 2NBS3

Emission Unit Description: Coater

Raw Material/Fuel: Coatings

Rated Capacity: 540 lbs/hr

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

⁽¹⁾Emission Limit(s): Total VOC emissions from emission points 004-005, 004-006, 004-012 (excluding emission unit 6ND), 007-001, and 007-005 (excluding emission unit 9NS1) shall not exceed 2000 tons per rolling twelve month period.

Authority for Requirement: DNR Construction Permits 90-A-152-S3, 90-A-153-S5, 90-A-154-S4, 05-A-448-S5, and 567 IAC 22.108(3)
567 IAC 22.108(14)

⁽¹⁾ 3M Knoxville sent a letter dated 04-25-08 requesting that emission points 004-004, 004-007, and 004-029 be included in this 2000 tons/year VOC limit.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

This emission unit is subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". This unit is subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 60 Subpart JJJJ
567 IAC 23.1(4)"cj"
40 CFR 60 Subpart RR
567 IAC 23.1(4)"qq"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-031 and 004-034

Associated Equipment

Associated Emission Unit ID Number: 6N Chamber

Emission Unit vented through this Emission Point: 6N Chamber

Emission Unit Description: Cure Chamber

Raw Material/Fuel: Adhesive, Acrylic Acid

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC) ⁽¹⁾

Emission Limit(s): 43 tons/yr total combined emissions from emission points 004-031, 004-034, and 004-067.

Authority for Requirement: DNR Construction Permits 07-A-938-S2, 07-A-939-S1

⁽¹⁾ This limit was carried over from the original permit for the 6N-1 Coating Line. The total combined emissions from emission points 004-031, 004-034 and 004-067 shall not exceed 43 tons of VOC/yr.

Pollutant: Organic Hazardous Air Pollutants (Organic HAP)

Emission Limit(s): Organic HAP emissions shall be limited per 40 CFR §63.3320(b). Compliance shall be demonstrated per 40 CFR §63.3370.

Authority for Requirement: DNR Construction Permits 07-A-938-S2, 07-A-939-S1
567 IAC 23.1(4)"cj"

Operating Requirements with Associated Monitoring and Recordkeeping

The owner/operator of this equipment shall comply with the operational limits and requirements listed below. All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

A. The permit holder, owner or operator of the facility shall record the total VOC emissions for the 6N-1 Coating Line on a rolling twelve (12) month basis.

B. Compliance shall be demonstrated for NESHAP subpart JJJJ per 40 CFR §63.3370

- i. Monitoring for NESHAP subpart JJJJ shall be done per 40 CFR §63.3350
- ii. Recordkeeping for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3400 and 40 CFR §63.3410.

Authority for Requirement: DNR Construction Permit 07-A-938-S2, 07-A-939-S1

NSPS and NESHAP Requirements

This emission unit is subject to Subpart A (General Provisions, 40 CFR §63.1 - §63.15) and Subpart JJJJ (National Emission Standard for Hazardous Air Pollutants: Paper and Other Web Coating, 40 CFR §63.3280 through 40 CFR §63.3420) of the National Emission Standard for Hazardous Air Pollutants (NESHAP), as an existing source.

Authority for Requirement: DNR Construction Permit 07-A-938-S2, 07-A-939-S1
40 CFR 60 Subpart JJJJ
567 IAC 23.1(4)"cj"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Emission Point Number	Associated Emission Unit	Stack Height (ft, from the ground)	Stack Opening (inches)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style
004-031	6N Chamber	56.5	13.5	4,800	Ambient	Vertical Obstructed
004-034		62	8	700		Vertical Unobstructed

Authority for Requirement: DNR Construction Permits 07-A-939-S1 (EP 004-031), 07-A-938-S2 (EP 004-034)

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-042

Associated Equipment

Associated Emission Unit ID Number: 9NRC

Emission Unit vented through this Emission Point: 9NRC
Emission Unit Description: Spray Coating Booth
Raw Material/Fuel: Coating
Rated Capacity: 1 gal/hr

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.01 gr/dscf
Authority for Requirement: 567 IAC 23.4(13)
DNR Construction Permit 93-A-145

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

Hours of operation:
A. Operating hours shall not exceed 200 hours per 12 month rolling total.
B. Operating hours shall not exceed 1 hour per 24 hour rolling period.

Process throughput:
C. Application rate shall not exceed 1 gallon per hour.

Authority for Requirement: DNR Construction Permit 93-A-145

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

A. Records of spray gun operating time and material consumption shall be kept for a period of five years.

Authority for Requirement: 567 IAC 22.108(4)

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Spray Coating Booth Agency Operation & Maintenance Plan

Weekly

- Inspect the paint booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Maintain a written record of the observation and any action resulting from the inspection.

Record Keeping and Reporting

Maintenance and inspection records will be kept for five years and available upon request.

Quality Control

The filter equipment will be operated and maintained according to the manufacturers recommendations

Emission Point ID Number: 004-055

Associated Equipment

Associated Emission Unit ID Number: Tank 04-01

Emission Unit vented through this Emission Point: Tank 04-01
Emission Unit Description: Storage Tank
Raw Material/Fuel: Adhesive
Rated Capacity: 240 gal/hr

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

Process throughput:

- A. The twelve month total, rolled monthly, amount of material stored in the storage vessel administered under DNR permit 98-A-660 shall not exceed 2,100,000 gallons.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The permit holder shall maintain records on the premises to show the twelve month total, rolled monthly, amount of material stored in the storage vessel administered under DNR permit 98-A-660. Records shall be maintained for five years and available for inspection upon request by representatives of the Department.
- B. The permit holder shall maintain records on the premises to show the dimensions and the capacity of the storage vessel administered under DNR permit 98-A-660. Records shall be maintained for the life of the vessel and available for inspection upon request by representatives of the Department.

Authority for Requirement: DNR Construction Permit 98-A-660

NSPS and NESHAP Requirements

This emission unit is subject to Subparts A (General Provisions, 40 CFR §63.1 - §63.15) and Subpart EEEE (National Emission Standards for Hazardous Air Pollutants: *Organic Liquids Distribution (Non-Gasoline)*, §63.2330 – §63.2406) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart EEEE
567 IAC 23.1(4)"ce"

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 37
Stack Diameter (inches): 4
Stack Exhaust Flow Rate (scfm): Vent to atmosphere
Stack Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 98-A-660

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-056

Associated Equipment

Associated Emission Unit ID Number: Tank 04-02

Applicable Requirements

Emission Unit vented through this Emission Point: Tank 04-02

Emission Unit Description: Storage Tank

Raw Material/Fuel: Adhesive

Rated Capacity: 240 gal/hr

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

Process Throughput:

A. The twelve month total, rolled monthly, amount of material stored in the storage vessel administered under DNR permit 98-A-661 shall not exceed 2,100,000 gallons.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The permit holder shall maintain records on the premises to show the twelve month total, rolled monthly, amount of material stored in the storage vessel administered under DNR permit 98-A-661. Records shall be maintained for five years and available for inspection upon request by representatives of the Department.
- B. The permit holder shall maintain records on the premises to show the dimensions and the capacity of the storage vessel administered under DNR permit 98-A-661. Records shall be maintained for the life of the vessel and available for inspection upon request by representatives of the Department.

Authority for Requirement: DNR Construction Permit 98-A-661

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 37
Stack Diameter (inches): 4
Stack Exhaust Flow Rate (scfm): Vent to atmosphere
Stack Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 98-A-661

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

- Agency Approved Operation & Maintenance Plan Required?** Yes No
- Facility Maintained Operation & Maintenance Plan Required?** Yes No
- Compliance Assurance Monitoring (CAM) Plan Required?** Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-057

Associated Equipment

Associated Emission Unit ID Number: Tank 04-06

Emission Unit vented through this Emission Point: Tank 04-06
Emission Unit Description: Storage Tank
Raw Material/Fuel: Adhesive
Rated Capacity: 240 gal/hr

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

Process throughput:

- A. The twelve month total, rolled monthly, amount of material stored in the storage vessel administered under DNR permit 98-A-665 shall not exceed 1,580,000 gallons.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The permit holder shall maintain records on the premises to show the twelve month total, rolled monthly, amount of material stored in the storage vessel administered under DNR permit 98-A-665. Records shall be maintained for five years and available for inspection upon request by representatives of the Department.
- B. The permit holder shall maintain records on the premises to show the dimensions and the capacity of the storage vessel administered under DNR permit 98-A-665. Records shall be maintained for the life of the vessel and available for inspection upon request by representatives of the Department.

Authority for Requirement: DNR Construction Permit 98-A-665

NSPS and NESHAP Requirements

This emission unit is subject to Subparts A (General Provisions, 40 CFR §63.1 - §63.15) and Subpart EEEE (National Emission Standards for Hazardous Air Pollutants: *Organic Liquids Distribution (Non-Gasoline)*, §63.2330 – §63.2406) of the National Emission Standards for Hazardous Air Pollutants (NESHAP)

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart EEEE
567 IAC 23.1(4)"ce"

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 37
Stack Diameter (inches): 4
Stack Exhaust Flow Rate (scfm): Vent to atmosphere
Stack Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 98-A-665

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-060

Associated Equipment

Associated Emission Unit ID Number: Tank 04-08

Emission Unit vented through this Emission Point: Tank 04-08

Emission Unit Description: Storage Tank

Raw Material/Fuel: Adhesive

Rated Capacity: 240 gal/hr

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

Process throughput:

- A. The twelve month total, rolled monthly, amount of material stored in the storage vessel administered under DNR permit 98-A-667 shall not exceed 1,580,000 gallons.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The permit holder shall maintain records on the premises to show the twelve month total, rolled monthly, amount of material stored in the storage vessel administered under DNR permit 98-A-667. Records shall be maintained for five years and available for inspection upon request by representatives of the Department.
- B. The permit holder shall maintain records on the premises to show the dimensions and the capacity of the storage vessel administered under DNR permit 98-A-667. Records shall be maintained for the life of the vessel and available for inspection upon request by representatives of the Department.

Authority for Requirement: DNR Construction Permit 98-A-667

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 37
Stack Diameter (inches): 4
Stack Exhaust Flow Rate (scfm): Vent to atmosphere
Stack Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 98-A-667

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

- Agency Approved Operation & Maintenance Plan Required?** Yes No
- Facility Maintained Operation & Maintenance Plan Required?** Yes No
- Compliance Assurance Monitoring (CAM) Plan Required?** Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-061

Associated Equipment

Associated Emission Unit ID Number: Tank 04-07

Emission Unit vented through this Emission Point: Tank 04-07
Emission Unit Description: Storage Tank
Raw Material/Fuel: Adhesive
Rated Capacity: 240 gal/hr

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

Process throughput:

A. The twelve month total, rolled monthly, amount of material stored in the storage vessel administered under DNR permit 98-A-666 shall not exceed 1,580,000 gallons.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The permit holder shall maintain records on the premises to show the twelve month total, rolled monthly, amount of material stored in the storage vessel administered under DNR permit 98-A-666. Records shall be maintained for five years and available for inspection upon request by representatives of the Department.
- B. The permit holder shall maintain records on the premises to show the dimensions and the capacity of the storage vessel administered under DNR permit 98-A-666. Records shall be maintained for the life of the vessel and available for inspection upon request by representatives of the Department.

Authority for Requirement: DNR Construction Permit 98-A-666

NSPS and NESHAP Requirements

This emission unit is subject to Subparts A (General Provisions, 40 CFR §63.1 - §63.15) and Subpart EEEE (National Emission Standards for Hazardous Air Pollutants: *Organic Liquids Distribution (Non-Gasoline)*, §63.2330 – §63.2406) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart EEEE
567 IAC 23.1(4)"ce"

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 37
Stack Diameter (inches): 4
Stack Exhaust Flow Rate (scfm): Vent to atmosphere
Stack Temperature (°F): Ambient
Discharge style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 98-A-666

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-064

Associated Equipment

Associated Emission Unit ID Number: 8NC

Emission Unit vented through this Emission Point: 8NC

Emission Unit Description: 8N Cure Chamber

Raw Material/Fuel: Adhesive

Rated Capacity: 170 lb/min

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 30 tons/yr ⁽¹⁾, 0.2 lb/lb of solids applied

Authority for Requirement: DNR Construction Permit 92-A-653-S4
567 IAC 23.1(2)"qq"

⁽¹⁾ Emission rate used in original permit to make the original project (Project Number 92-253) a "synthetic minor" for the purposes of PSD. This is the total for emission units permitted under permit numbers 92-A-653-S4, 92-A-652-S3, 95-A-290-S1, 01-A-840, and 01-A-841.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

There are none at this time.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

These records shall show the following:

- A. Per 40 CFR §60.443, calculations to determine compliance with the VOC standard of 0.2 lb of VOC/lb of coating solids applied.
- B. Records as required per 40 CFR §60.445.

Authority for Requirement: DNR Construction Permit 92-A-653-S4

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 60 Subpart JJJJ
567 IAC 23.1(4)"cj"

This emission unit is subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". This unit is subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart.

Authority for Requirement: DNR Construction Permit 92-A-653-S4
40 CFR 60 Subpart RR
567 IAC 23.1(4)"qq"

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 62
Stack Diameter (inches): 16
Stack Exhaust Flow Rate (scfm): 4,000
Stack Temperature (°F): 80
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 92-A-653-S4

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-065

Associated Equipment

Associated Emission Unit ID Number: 8NCT

Emission Unit vented through this Emission Point: 8NCT

Emission Unit Description: Corona Treater

Raw Material/Fuel: Electrical Energy

Rated Capacity: 10 kW

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Ozone

Emission Limit(s): 0.73 lb/hr

Authority for Requirement: DNR Construction Permit 94-A-545-S5

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

No operating limits are required for this emission unit at this time.

Authority for Requirement: DNR Construction Permit 94-A-545-S5

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 64.9

Stack Diameter (inches): 8

Stack Exhaust Flow Rate (scfm): 5,300

Stack Temperature (°F): 72

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 94-A-545-S5

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-067

Associated Equipment

Associated Emission Unit ID Number: 6NS1

Emission Unit vented through this Emission Point: 6NS1
Emission Unit Description: 6N-1 Plastic Adhesive Coating Chamber
Raw Material/Fuel: Adhesive
Rated Capacity: 113 lb/min

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 43 tons/yr for the 6N Coating Line
Authority for Requirement: DNR Construction Permit 95-A-290-S2

Pollutant: Organic Hazardous Air Pollutants (Organic HAP)
Emission Limit(s): Organic HAP emissions shall be limited per 40 CFR §63.3320(b).
Compliance shall be demonstrated per 40 CFR §63.3370.
Authority for Requirement: DNR Construction Permit 95-A-290-S2

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

A. Compliance shall be demonstrated for NESHAP Subpart JJJJ per 40 CFR §63.3370.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The facility (plant number 63-01-001) shall record the total VOC emissions on a rolling twelve (12) month basis.
- B. Monitoring for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3400.
- C. Recordkeeping for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3410.

Authority for Requirement: DNR Construction Permit 95-A-290-S2

NSPS and NESHAP Requirements:

This emission unit is subject to Subparts A (General Provisions, 40 CFR §63.1 – §63.15) and JJJJ (National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating, 40 CFR §63.3280 – §63.3420) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Authority for Requirement: DNR Construction Permit 95-A-290-S2
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 63
Stack Diameter (inches): 24
Stack Exhaust Flow Rate (scfm): 12,000
Stack Temperature (°F): 85
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 95-A-290-S2

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

- Agency Approved Operation & Maintenance Plan Required?** Yes No
- Facility Maintained Operation & Maintenance Plan Required?** Yes No
- Compliance Assurance Monitoring (CAM) Plan Required?** Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-069

Associated Equipment

Associated Emission Unit ID Number: 8NS1

Emission Unit vented through this Emission Point: 8NS1

Emission Unit Description: 8N Coating Station

Raw Material/Fuel: Adhesive

Rated Capacity: 170 lb/min

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 30 tons/yr ⁽¹⁾, 0.2 lb/lb of solids applied

Authority for Requirement: DNR Construction Permit 92-A-652-S4
567 IAC 23.1(2)"qq"

⁽¹⁾ Emission rate used in original permit to make the original project (Project Number 92-253) a "synthetic minor" for the purposes of PSD. This is the total for emission units permitted under permit numbers 92-A-653-S4, 92-A-652-S3, 95-A-290-S1, 01-A-840, and 01-A-841.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

There are none required at this time.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

These records shall show the following:

- A. Per 40 CFR §60.443, calculations to determine compliance with the VOC standard of 0.2 lb of VOC/lb of coating solids applied.
- B. Records as required per 40 CFR §60.445.

Authority for Requirement: DNR Construction Permit 92-A-652-S4

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"

This emission unit is subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". This unit is subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart.

Authority for Requirement: DNR Construction Permit 92-A-652-S4
40 CFR 60 subpart RR
567 IAC 23.1(2)"qq"

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 64
Stack Diameter (inches): 26.1
Stack Exhaust Flow Rate (scfm): 8,300
Stack Temperature (°F): 80
Discharge Style: Vertical unobstructed

Authority for Requirement: DNR Construction Permit 92-A-652-S4

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-076

Associated Equipment

Associated Emission Unit ID Numbers: 8NC R1 and 8NC R2

Emission Unit Vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Rated Capacity
8NC R1	Coating Tank	Coating	25 gallons
8NC R2	Storage Tank	Coating	30 gallons

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 0.96lb/hr; 4.2 tons/yr

Authority for Requirement: DNR Construction Permit 92-A-654-S2

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

None at this time.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 43.5

Stack Diameter (inches): 5 x 10

Stack Exhaust Flow Rate (scfm): 500

Stack Temperature (°F): 72

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 92-A-654-S2

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-077

Associated Equipment

Associated Emission Unit ID Number: Tank 04-10

Emission Unit vented through this Emission Point: Tank 04-10
Emission Unit Description: Storage Tank
Raw Material/Fuel: Coating
Rated Capacity: 10,600gallons

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

There are none required at this time.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The permit holder shall maintain records on the premises to show the dimensions and the capacity of the storage vessel administered under DNR permit 93-A-152.

Authority for Requirement: DNR Construction Permit 93-A-152

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

- Agency Approved Operation & Maintenance Plan Required?** Yes No
- Facility Maintained Operation & Maintenance Plan Required?** Yes No
- Compliance Assurance Monitoring (CAM) Plan Required?** Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-078

Associated Equipment

Associated Emission Unit ID Number: Tank 04-09

Emission Unit vented through this Emission Point: Tank 04-09

Emission Unit Description: Storage Tank

Raw Material/Fuel: Coating

Rated Capacity: 10,600 gallons

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

This emission unit is subject to Subparts A (General Provisions, 40 CFR §63.1 - §63.15) and Subpart EEEE (National Emission Standards for Hazardous Air Pollutants: *Organic Liquids Distribution (Non-Gasoline)*, §63.2330 – §63.2406) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart EEEE
567 IAC 23.1(4)"ce"

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 43
Stack Diameter (inches): 3
Stack Exhaust Flow Rate (scfm): Vent to atmosphere (Working/Breathing Loss)
Stack Temperature (°F): 70
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 93-A-151-S1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

- Agency Approved Operation & Maintenance Plan Required?** Yes No
- Facility Maintained Operation & Maintenance Plan Required?** Yes No
- Compliance Assurance Monitoring (CAM) Plan Required?** Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Numbers: 004-047, 004-079

Associated Equipment

Associated Emission Unit ID Number: 6N Enclosure

Emission Unit vented through this Emission Point: 6N Enclosure
Emission Unit Description: Web Seal Exhaust and Coater
Raw Material/Fuel: Adhesive
Rated Capacity: 113 lb/min (Coater)

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit: 43 tons/yr for the 6N Coating Line
Authority for Requirement: DNR Construction Permits 07-A-938-S2, 07-A-939-S1, 93-A-341,
and 95-A-290-S2

Operation Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

These emission units are subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-080

Associated Equipment

Associated Emission Unit ID Number: 8NC

Emission Unit vented through this Emission Point: 8NC

Emission Unit Description: Coater

Raw Material/Fuel: Adhesive

Rated Capacity: 170 lb/min

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 30 tons/yr ⁽¹⁾, 0.2 lb./lb. of solids applied

Authority for Requirement: DNR Construction Permit 01-A-840
567 IAC 23.1(2)"qq"

⁽¹⁾ Emission rate used in original permit to make the original project (Project Number 92-253) a "synthetic minor" for the purposes of PSD. This is the total for emission units permitted under permit numbers 92-A-653-S4, 92-A-652-S3, 95-A-290-S1, 01-A-840, and 01-A-841.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

None are required at this time.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

A. Per 40 CFR §60.443, calculations to determine compliance with the VOC standard of 0.2 lb of VOC/lb of coating solids applied.

B. Records as required per 40 CFR §60.445.

DNR Construction Permit 01-A-840

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"

This emission unit is subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". This unit is subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart.

Authority for Requirement: DNR Construction Permit 01-A-840
40 CFR 60 Subpart RR
567 IAC 23.1(2)"qq"

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 60.5
Stack Diameter (inches): 6.7
Stack Exhaust Flow Rate (scfm): 25
Stack Temperature (°F): 80
Discharge Style: Vertical unobstructed

Authority for Requirement: DNR Construction Permit 01-A-840

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No
Facility Maintained Operation & Maintenance Plan Required? Yes No
Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-081 and 004-088 (Dual stack)

Associated Equipment

Associated Emission Unit ID Number: 8N Enclosure

Emission Unit vented through this Emission Point: 8N Enclosure
Emission Unit Description: Coater
Raw Material/Fuel: Adhesive
Rated Capacity: 170 lb/min

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 30 tons/yr ^(1,2), 0.2 lb/lb solids applied ^(2,3)
Authority for Requirement: DNR Construction Permit 01-A-841

⁽¹⁾ Emission rate used in original permit to make the original project (Project Number 92-253) a “synthetic minor” for the purposes of PSD. This is the total for emission units permitted under permit numbers 92-A-653-S4, 92-A-652-S4, 95-A-290-S1, 01-A-840, and 01-A-841. This limit also includes emissions from EP 004-088.

⁽²⁾ EP 004-081, covered under DNR Construction Permit # 01-A-841, was supplemented with stack, 004-088. The original stack and then the installation of 004-088 were completed under a construction permit exemption letter from Clark Ott, March 12, 1996. Roughly 95% of the emissions exhaust through 004-088 and 5% through 004-081.

⁽³⁾ See also NSPS 40 CFR 60 subpart RR, 40 CFR §60.442(a)(1).

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

No operating limits are required for these emission units at this time

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

These records shall show the following:

- A. Per 40 CFR §60.443, calculations to determine compliance with the VOC standard of 0.2 lb of VOC/lb of coating solids applied.
- B. Records as required per 40 CFR §60.445.

Authority for Requirement: DNR Construction Permit 01-A-841

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"

This emission unit is subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". This unit is subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart.

Authority for Requirement: DNR Construction Permit 01-A-841
40 CFR 60 subpart RR
567 IAC 23.1(2)"qq"

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 65.3
Stack Diameter (inches): 16
Stack Exhaust Flow Rate (scfm): 3,000
Stack Temperature (°F): 72
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 01-A-841

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-118

Associated Equipment

Associated Emission Unit ID Numbers: Die Clean E&W

Emission Unit Vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Rated Capacity
Die Clean E&W	Die Cleaning Tank	MEK and Heptane	100 gallons
	Cart Cleaning Exhaust		

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 3.5 tons/yr

Authority for Requirement: DNR Construction Permit 95-A-457-S1

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

- A. Total combined solvent consumption for the tank and pump cart cleaning station is limited to 1,000 gallons per 12-month period.
- B. The density of the solvent used shall not exceed 7.0 pounds per gallon.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The consumption of solvent, in gallons, on a rolling 12-month period basis.
- B. The density of each solvent used in pounds per gallon.
- C. A copy of the Material Safety Data Sheet (MSDS) for all solvents used at these emission units.

Authority for Requirement: DNR Construction Permit 95-A-457-S1

Emission Point Characteristics

This emission point shall conform to the specifications listed below

Stack Height (feet): 30
Stack Diameter (inches): 22
Stack Exhaust Flow Rate (scfm): 5,000
Stack Temperature (°F): 70
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 95-A-457-S1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

- Agency Approved Operation & Maintenance Plan Required?** Yes No
- Facility Maintained Operation & Maintenance Plan Required?** Yes No
- Compliance Assurance Monitoring (CAM) Plan Required?** Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-120

Associated Equipment

Associated Emission Unit ID Number: 04-1NAM-A-05

Emission Unit vented through this Emission Point: 04-1NAM-A-05

Emission Unit Description: Tank

Raw Material/Fuel: Adhesive

Rated Capacity: 900 gallons

Applicable Requirements

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

None are required at this time.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

The records shall show the following:

A. A copy of the Material Safety Data Sheet (MSDS) of all materials stored in the tank.

Authority for Requirement: DNR Construction Permit 00-A-824

Emission Point Characteristics

This emission point shall conform to the conditions listed below.

Stack Height (feet): 15.5

Stack Diameter (inches): 2

Stack Exhaust Flow Rate (scfm): Displacement

Stack Temperature (°F): 70

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 00-A-824

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 004-123

Associated Equipment

Associated Emission Unit ID Numbers: 5NCT2

Emission Unit vented through this Emission Point: 5NCT2
Emission Unit Description: 5N Corona Treater #2
Raw Material/Fuel: Electrical Energy
Rated Capacity: 10 kW-hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

None at this time.

Authority for Requirement: DNR Construction Permit 08-A-163-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 83
Stack Opening, (inches, dia.): 12
Exhaust Flow Rate (scfm): 620
Exhaust Temperature (°F): 72
Discharge Style: Unobstructed Vertical
Authority for Requirement: DNR Construction Permit 08-A-163-S1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 005-008

Associated Equipment

Associated Emission Unit ID Number: Resin Dumper
Emissions Control Equipment ID Number: RM4DC
Emissions Control Equipment Description: Bag Filter

Applicable Requirements

Emission Unit vented through this Emission Point: Resin Dumper
Emission Unit Description: Resin Dumper
Raw Material/Fuel: Resin
Rated Capacity: 8000 lb/hr

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"
DNR Construction Permit 76-A-271

Operational Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

None at this time.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 005-018

Associated Equipment

Associated Emission Unit ID Numbers: Mch 01, Mch 02, COMPD Dumpster, Extruder
Emissions Control Equipment ID Number: Mill DC
Emissions Control Equipment Description: Bag Filter

Applicable Requirements

Emission Unit Vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Rated Capacity
Mch 01	Rubber Milling	Rubber, Resin	400 lb/hr
Mch 02	Rubber Mixing	Rubber, Powder	4740 lb/hr
COMPD Dumpster	Trash Dumpster	General Trash	5140 lb/hr
Extruder	Extruding	Rubber, Powder, Resin	4740 lb/hr

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

DNR Construction Permit 76-A-269

Operational Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

None at this time.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 005-028

Associated Equipment

Associated Emission Unit ID Number: Mch 09
Emissions Control Equipment ID Number: SBS PM DC
Emissions Control Equipment Description: Bag Filter

Applicable Requirements

Emission Unit vented through this Emission Point: Mch 09
Emission Unit Description: Powder Mixer
Raw Material/Fuel: Powder
Rated Capacity: 1575 lb/hr

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr/dscf, 0.13 lb/hr
Authority for Requirement: DNR Construction Permit 93-A-364

Emission Point Characteristics

This emission point shall conform to the conditions listed below.

Stack Height, (ft, from the ground): 44
Authority for Requirement: DNR Construction Permit 93-A-364

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six (6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 005-034

Associated Equipment

Associated Emission Unit ID Number: Mch 02
Emissions Control Equipment ID Number: Ban DC
Emissions Control Equipment Description: Bag Filter

Applicable Requirements

Emission Unit vented through this Emission Point: Mch 02
Emission Unit Description: Rubber Mixing
Raw Material/Fuel: Rubber/Powders
Rated Capacity: 4,740 lb/hr

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.2 "a"
DNR Construction Permit 76-A-270

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

None at this time.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six (6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 005-051

Associated Equipment

Associated Emission Unit ID Number: Churn 1

Emission Unit vented through this Emission Point: Churn 1

Emission Unit Description: Mix Tank

Raw Material/Fuel: Coating

Rated Capacity: 535 gallons

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

⁽¹⁾ Emission Limit(s): 40%

⁽¹⁾ An exceedance of the indicator opacity of “no visible emissions” will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Authority for Requirement: 567 IAC 23.3(2)"d", DNR Permit 02-A-384-S1

Pollutant: Single Hazardous Air Pollutant (Single HAP)

Emission Limit(s): 9.4 tons/yr

Authority for Requirement: DNR Construction Permit 02-A-384-S1

Pollutant: Total Hazardous Air Pollutants (Total HAP)

Emission Limit(s): 24.4 tons/yr

Authority for Requirement: DNR Construction Permit 02-A-384-S1

Operational Limits & Requirements⁽¹⁾

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

A. The amount of any single HAP emitted from Mogul 1, Churn 1 and Churn 2 combined shall be limited to a maximum of 9.4 tons per 12-month rolling period.

B. The amount of all HAPs emitted from Mogul 1, Churn 1, and Churn 2 combined shall be limited to a maximum of 24.4 tons per 12-month rolling period.

HAP emissions shall be monitored and recorded as required in Reporting and Recordkeeping Section below.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

The records shall show the following:

- A. A Material Safety and Data Sheet (MSDS) of each material utilized shall be kept on-site and available for inspection by the DNR to verify VOC and HAP content.
- B. Record the monthly amount of material utilized (in applicable units) by Mogul 1, Churn 1 and Churn 2.
- C. During the first twelve (12) months of operation, calculate and update the combined HAP emission totals from Mogul 1, Churn 1, and Churn 2 for each month of operation.
- D. After the first twelve (12) months of operation, calculate and update the combined HAP emission totals from Mogul 1, Churn 1, and Churn 2 on a rolling 12-month basis for each month of operation.
- E. HAP emissions shall be determined using the emission factors provided in the table below:

Table 1. HAP Emission Factors

Emission Unit	Permit Number	Tracking Units	Emission Factors
Mogul 1	02-A-383-S1(R)	Batches	2.56 lb HAP/batch
Churn 1	02-A-384-S1	Gallons	0.02 lb HAP/gal
Churn 2	02-A-385-S1(R)	Gallons	0.0004 lb HAP/gal

Authority for Requirement: DNR Construction Permit 02-A-384-S1

⁽¹⁾ These requirements are from a construction project which includes three construction permits (02-A-383-S1, 02-A-384-S1, and 02-A-385-S1). Since these were written, two permits (02-A-383-S1 and 02-A-385-S1) have been rescinded relating to Mogul 1 (EP 005-009) and Churn 2 (005-052) because these two emission units were routed to the thermal oxidizer (007-005) in 2005.

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 24
Stack Opening, (inches, dia.): 2
Exhaust Flow Rate (scfm): 0.5
Exhaust Temperature (°F): 68
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 02-A-384-S1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 005-054 and 005-055 (Bypass Stacks)

Associated Equipment

Associated Emission Unit ID Number: MOGUL 1

Emission Unit vented through this Emission Point: MOGUL 1
Emission Unit Description: ADH Mixer
Raw Material/Fuel: Toluene, MEK
Rated Capacity: 350 lb/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 39.4 tons/yr ⁽¹⁾

Authority for Requirement: DNR Construction Permit 07-A-1539-S1, 07-A-1540-S1

⁽¹⁾This limit is for the combined total emissions from emission units EU MOGUL1 (Mogul 1), EU CHURN1 (Churn #1), and EU CHURN2 (Churn #2). This limit was established to ensure Project Number 02-245 is minor for the Prevention of Significant Deterioration (PSD) program.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

There are no operating limits required for this emission unit at this time.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

These records shall show the following:

- A. The facility (plant number 63-01-001) shall record the combined total VOC emissions for EU MOGUL1 (Mogul 1), EU CHURN1 (Churn #1), and EU CHURN2 (Churn #2) on a rolling twelve (12) month basis.

Authority for Requirement: DNR Construction Permit 07-A-1539-S1, 07-A-1540-S1

NSPS and NESHAP Requirements

This emission unit is subject to Subparts A (General Provisions, 40 CFR §63.1 – §63.15), JJJJ (National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating, 40 CFR §63.3280 – §63.3420), and HHHHH (National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating, 40 CFR §63.7980 – §63.8105) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Authority for Requirement: DNR Construction Permit 07-A-1539-S1, 07-A-1540-S1
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"
40 CFR 63 Subpart HHHHH
567 IAC 23.1(4)"dh"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Emission Point Number	Associated Emission Unit	Stack Height (ft, from the ground)	Stack Opening (inches)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style
005-054	MOGUL 1	17	8	Displacement air	70	Horizontal
005-055		19	8			

Authority for Requirement: DNR Construction Permit 07-A-1539-S1 (EP 005-054), 07-A-1540-S1 (EP 005-055)

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 007-001

Associated Equipment

Associated Emission Unit ID Numbers: 1ND2, 2NAD1, and 2NAD2

Emissions Control Equipment ID Number: SITO

Emissions Control Equipment Description: Thermal Oxidizer

Emission Unit Vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Rated Capacity	Associated Bypass
IND2	Dryer	Coating	360 lb/hr	EP 004-005
2NAD1	Dryer	Coating	1,800 ft ² /min	EP 004-006
2NAD2	Dryer	Coating	1,800 ft ² /min	

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permit 08-A-332-S2
567 IAC 23.3(2)"d"

⁽¹⁾An exceedence of the indicator opacity of "No Visible Emissions" will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 3.29 lb/hr

Authority for Requirement: DNR Construction Permit 08-A-332-S2

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 08-A-332-S2
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

Authority for Requirement: DNR Construction Permit 08-A-332-S2
567 IAC 23.3(2)"e"

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): The combined total emissions from emission points 004-005, 004-006, 004-012 (excluding emission unit 6ND), 007-001, and 007-005 (excluding emission unit 9NS1) shall not exceed 2,000 tons of VOC/yr. This limit includes emissions from all emission points associated with these emission units (EP 007-005 and all associated bypass stacks). This limit was carried over from previous permits.

Authority for Requirement: DNR Construction Permit 08-A-332-S2

Pollutant: Organic Hazardous Air Pollutants (Organic HAP)

Emission Limit(s): For those units subject to NESHAP Subpart KK, organic HAP emissions shall be limited per 40 CFR §63.825(b). The facility shall limit organic HAP emissions to one of the following:

- 1) No more than 5% of the organic HAP applied for the month; or
- 2) No more than 4% of the mass of inks, coatings, varnishes, adhesives, primers, solvents, reducers, thinners, and other materials applied for the month; or
- 3) No more than 20% of the mass of solids applied for the month.
- 4) To a calculated equivalent allowable mass based on the organic HAP and solids contents of the inks, coatings, varnishes, adhesives, primers, solvents, reducers, thinners, and other materials applied for the month.

Compliance shall be demonstrated per 40 CFR §63.825(d).

For those units subject to NESHAP Subpart JJJJ, organic HAP emissions shall be limited per 40 CFR §63.3320(b). Per 40 CFR §63.3320(b)(4), the outlet organic HAP concentration from the oxidizer shall not exceed 20 parts per million by volume (ppm_v) by compound on a dry basis and the efficiency of the capture system shall be 100%. Compliance shall be demonstrated per 40 CFR §63.3370.

Authority for Requirement: DNR Construction Permit 08-A-332-S2

40 CFR 63 Subpart KK

567 IAC 23.1(4)"ak"

567 IAC 23.1(4)"cj"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

- A. The thermal oxidizer and dryers shall fire only natural gas.
- B. For those emission units subject to NESHAP Subpart KK, compliance shall be demonstrated per 40 CFR §63.825 and §63.827.
- C. For those emission units subject to NESHAP Subpart JJJJ, compliance shall be demonstrated per 40 CFR §63.3370.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The facility (plant number 63-01-001) shall record the combined total VOC emissions for emission points 004-005, 004-006, 004-012 (excluding emission unit 6ND), 007-001, and 007-005 (excluding emission unit 9NS1) monthly and calculate the rolling twelve (12) month total.
- B. Recordkeeping for NESHAP Subpart KK shall be done per 40 CFR §63.829 and reporting for NESHAP Subpart KK shall be done per 40 CFR §63.830.
- C. Recordkeeping for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3400 and 40 CFR §63.3410.
- D. Monitoring for NESHAP Subpart KK shall be done per 40 CFR §63.828.
- E. Monitoring for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3350.
- F. The facility shall record the compliance option, found in 40 CFR §63.825, that it is using to meet the emission standards of NESHAP KK.
- G. Should the facility switch to another compliance option found in 40 CFR §63.825, the facility shall notify the Department within 30 days of the switch to the other compliance option.

Authority for Requirement: DNR Construction Permit 08-A-332-S2

NSPS and NESHAP Requirements

These emission units are subject to Subparts A (General Provisions, 40 CFR §63.1 – §63.16).

The emission units associated with Line 2NA are subject to Subpart KK (National Emission Standards for the Printing and Publishing Industry, 40 CFR §63.820 – §63.839) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

The emission units associated with Line 1N are subject to Subpart JJJJ (National Emission Standards for Hazardous Air Pollutant: Paper and Other Web Coating, 40 CFR §63.3280 – §63.3420) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Authority for Requirement: DNR Construction Permit 08-A-332-S2

40 CFR 63 Subpart KK
567 IAC 23.1(4)"ak"
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 72

Stack Opening, (inches, dia.): 42

Exhaust Flow Rate (scfm): 11,000

Exhaust Temperature (°F): 500

Discharge Style: Vertical unobstructed

Authority for Requirement: DNR Construction Permit 08-A-332-S2

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Stack Testing

Pollutant – Organic Hazardous Air Pollutants (Organic HAP)

Stack Test to be Completed – No later than 180 days after the total amount of material applied by the print stations exceeds 5% of the total amount of material applied by that press in a month (i.e., 180 days after the affected units trigger NESHAP Subpart KK).

Test Method – Per NESHAP Subpart KK 40 CFR §63.827

Authority for Requirement – DNR Construction Permit 08-A-332-S2
40 CFR 63 Subpart KK

The owner of this equipment or the owner’s authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 007-005

Associated Equipment

Associated Emission Unit ID Numbers: 1NO, 2NBD, 2NBO, 5NO1, 5NO2, 6ND, 9NS1, MOGUL1, CR1HT2, CHURN2, CR2 S2, CR2 S3, CR1 MT2

Emissions Control Equipment ID Number: CE RTO

Emissions Control Equipment Description: Regenerative Thermal Oxidizer
4 Low NOx Burners at 8 MMBtu each

Emission Unit Vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Rated Capacity	Associated Bypass
1NO	Drying Coating	ADH	2,283 lb/hr	EP 004-005
2NBD	Drying	Coating	520 lb/hr	EP 004-006
2NBO	Drying	Toluene, MEK, MIBK, Xylene	2,280 lb/hr	
5NO1	Drying	Toluene, MEK	1,800 lb/hr	EP 004-012
5NO2	Drying	VOC, Toluene, MEK	1,800 lb/hr	
6ND	Drying	VOC	1,855 lb/hr	
9NS1	Plastic Adhesive Coater	VOC, Xylene	1,398 lb/hr	EP 003-110
MOGUL1	Mogul 1	Toluene, MEK, VOC	350 lb/hr	EP 003-111 EP 005-054 EP 005-055
CR1HT2	Hold Tank #2	Toluene, MEK	90 gal/hr	EP 003-111
CHURN 2	Churn #2	Toluene, VOC	35 gal/hr	
CR2 2S	2-South Blender	Adhesive	375 gal/hr	
CR3 3S	3-South Blender	Adhesive	375 gal/hr	
CR1 MT2	Compounding Mix Tank #2	Toluene, MEK	115 gal/hr	

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 0%

Authority for Requirement: DNR Construction Permit 05-A-448-S5
567 IAC 23.3(2)"d"

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 3.29 lb/hr

Authority for Requirement: DNR Construction Permit 05-A-448-S5

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 05-A-448-S5
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

Authority for Requirement: DNR Construction Permit 05-A-448-S5
567 IAC 23.3(3)"e"

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): The Plastic Adhesive Coater (EU 9NS1) is limited to 139.8 lb of VOC/hr and 612 tons of VOC/yr. This limit includes emissions from all emission points associated with EU 9NS1 (both EP 007-005 and the associated bypass stack). These limits represent the maximum possible allowable emissions based on NSPS Subpart RR and the equipment capacity for the entire 9N line.

This limit is for the combined total emissions from emission points 004-005, 004-006, 004-012, 007-001, and 007-005 (excluding emission unit 9NS1) shall not exceed 2,000 tons VOC/yr. This limit was carried over from previous permits.

The combined total emissions from emission units EU MOGUL1 (Mogul 1), EU CHURN1 (Churn #1) and EU CHURN2 (Churn #2) shall not exceed 39.4 tons/yr. This limit was established to ensure Project Number 02-245 is minor for the Prevention of Significant Deterioration (PSD) program.

Authority for Requirement: DNR Construction Permit 05-A-448-S5

Pollutant: Organic Hazardous Air Pollutants (Organic HAP)

Emission Limit(s): For those units subject to NESHAP Subpart JJJJ (see NSPS and NESHAP Requirements section below), organic HAP emissions shall be limited per 40 CFR §63.3320(b). Per 40 CFR §63.3320(b)(4), the outlet organic HAP concentration from the oxidizer shall not exceed 20 parts per million volume (ppmv) by compound on a dry basis and the efficiency of the capture system shall be 100%. Compliance shall be demonstrated per 40 CFR §63.3370.

For those units subject to NESHAP Subpart HHHHH (see NSPS and NESHAP Requirements section below), emissions shall be limited per 40 CFR §63.8000 through 40 CFR §63.8030.

Authority for Requirement: DNR Construction Permit 05-A-448-S5
567 IAC 23.1(4)"cj"
567 IAC 23.1(4)"dh"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

- A. The thermal oxidizer shall fire only natural gas.
- B. Compliance shall be demonstrated for NSPS Subpart RR per 40 CFR §60.443 and 40 CFR §60.444.
- C. Compliance shall be demonstrated for NESHAP Subpart JJJJ per 40 CFR §63.3370.
- D. Compliance shall be demonstrated for NESHAP Subpart HHHHH in accordance with 40 CFR §63.8000 – 40 CFR §63.8030 or the alternative compliance means in 40 CFR §63.8050 and 40 CFR §63.8055.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. All necessary records to demonstrate compliance with NSPS Subpart RR.
- B. The facility (plant number 63-01-001) shall record the combined total VOC for emission points 004-005, 004-006, 004-012 (excluding emission unit 6ND), 007-001, and 007-005 (excluding emission unit 9NS1) on a rolling twelve (12) month basis.
- C. The facility (plant number 63-01-001) shall record the combined total VOC emissions for EU MOGUL1 (Mogul 1), EU CHURN1 (Churn #1), and EU CHURN2 (Churn #2) on a rolling twelve (12) month basis.
- D. The facility (plant number 63-01-001) shall record the combined total VOC emissions for EU 5NO1, EU 5NO2, EU 5NS1 and EU 5NS2A in tons per year on a calendar-year basis, for a period of ten years following resumption of regular operations (ie, the increased capacity for the ovens in project 11-163) (IAC 567-33.3(18)"f"(4)). The owner or operator shall submit a report to the Department if these calculated annual emissions exceed 100.07 tons per year of VOC. This report shall be submitted to the Department within 60 days after the end of the year and include the information required in IAC 567-33.18"f"(7).
- E. Monitoring and recordkeeping for NSPS Subpart RR shall be done per 40 CFR §60.445.
- F. Monitoring for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3350.
- G. Recordkeeping for NESHAP Subpart JJJJ shall be done per 40 CFR §63.3400 and 40 CFR §63.3410.
- H. Monitoring and recordkeeping for NESHAP Subpart HHHHH shall be done per 40 CFR §63.8000 – 40 CFR §63.8030 and 40 CFR §63.8080.

Authority for Requirement: DNR Construction Permit 05-A-448-S5

NSPS and NESHAP Requirements

The Plastic Adhesive Coater (EU 9NS1) is subject to Subparts A (General Provisions, 40 CFR §60.1 – §60.19) and RR (Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations, 40 CFR §60.440 – §60.447) of the New Source Performance Standards (NSPS). None of the other emission units listed in this permit are subject to NSPS at this time.

All of the emission units covered by this permit are subject to Subparts A (General Provisions, 40 CFR §63.1 – §63.15) and JJJJ (National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating, 40 CFR §63.3280 – §63.3420) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

The following emission units are also subject to NESHAP Subpart HHHHH (National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing, 40 CFR §63.7980 – §63.8105): Mogul 1 (EU MOGUL1), Churn #2 (EU CHURN2), 2-South Blender (EU CR2 2S), 3-South Blender (EU CR2 3S), and Compounding Mix Tank #2 (EU CR1 MT2).

Authority for Requirement: DNR Construction Permit 05-A-448-S5
40 CFR 60 Subpart RR
567 IAC 23.1(2)"qq"
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"
40 CFR 63 Subpart HHHHH
567 IAC 23.1(4)"dh"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 60
Stack Opening, (inches, dia.): 98
Exhaust Flow Rate (scfm): 102,500
Exhaust Temperature (°F): 655
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 05-A-448-S5

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Opacity Monitoring:

Visible emissions shall be observed on a weekly basis to ensure that none occur when the emission unit on this emission point is at or near full capacity. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity (>0 %) is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from observation of the violation.

If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 007-030 and 007-031

Associated Equipment

Associated Emission Unit ID Number: Boiler 1 and Boiler 2

Emission Unit Vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Rated Capacity (MMBtu/hr)
Boiler 1	Boiler	Natural Gas	72
Boiler 2	Boiler		72

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from each emission point shall not exceed the levels specified below.

Pollutant: Opacity⁽¹⁾

Emission Limit(s): 40%

Authority for Requirement: DNR Construction Permits 76-A-181-S2, 76-A-182-S2
567 IAC 23.3(2)"d"

⁽¹⁾An exceedance of the indicator opacity of "No Visible Emissions" will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM)

Emission Limits: 0.38 lb/MMBtu

Authority for Requirement: DNR Construction Permits 76-A-181-S2, 76-A-182-S2
567 IAC 23.3(2)"b"

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

Authority for Requirement: DNR Construction Permits 76-A-181-S2, 76-A-182-S2
567 IAC 23.3(3)"e"

Operational Requirements with Associated Monitoring and Recordkeeping

The owner/operator of this equipment shall comply with the operational limits and requirements listed below. All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

NSPS and NESHAP Requirements

This equipment is subject to regulation by the following federal regulation: National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters [40 CFR Part 63 Subpart DDDDD].

Authority for Requirement: 567 IAC 22.108(3)
40 CFR Part 63 Subpart DDDDD

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 82
Stack Opening, (inches, dia.): 36
Exhaust Flow Rate (scfm): 14,600
Exhaust Temperature (°F): 500
Discharge Style: Vertical
Authority for Requirement: DNR Construction Permits 76-A-181-S2, 76-A-182-S2

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 007-071

Associated Equipment

Associated Emission Unit ID Number: Gen 007

Emission Unit vented through this Emission Point: Gen 007

Emission Unit Description: Diesel Generator

Raw Material/Fuel: Diesel

Rated Capacity: 896 bhp

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permit 10-A-524
567 IAC 23.3(2)"d"

⁽¹⁾ An exceedence of the indicator opacity of "25%" will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.50 g/kW-hr

Authority for Requirement: DNR Construction Permit 10-A-524
567 IAC 23.1(2)"yyy"

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 2.5 lb/MMBtu

Authority for Requirement: DNR Construction Permit 10-A-524
567 IAC 23.3(3)"b"

Pollutant: THC + Nitrogen Oxides (NO_x)

Emission Limit(s): 9.8 g/kW-hr

Authority for Requirement: DNR Construction Permit 10-A-524
567 IAC 23.1(2)"yyy"

Pollutant: Carbon Monoxide (CO)

Emission Limit(s): 5.0 g/kW-hr

Authority for Requirement: DNR Construction Permit 10-A-524
567 IAC 23.1(2)"yyy"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

- A. This generator, Gen 007, shall operate only in emergency situations or for routine maintenance and testing.
- B. This generator, Gen 007, shall not operate more than 500 hours per rolling twelve-month period.
- C. Per 40 CFR§60.4211, Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine for a maximum of 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year.
- D. This generator, Gen 007, shall be limited to using diesel fuel with a maximum sulfur content not to exceed 0.5% by weight.
- E. Beginning October 1, 2007, diesel fuel fired in this generator shall be limited to a maximum sulfur content of 500 ppm and a minimum cetane index of 40 or a maximum aromatic content of 30 percent by volume per 40 CFR§80.510(a).
- F. Beginning October 1, 2010, diesel fuel fired in this generator shall be limited to a maximum sulfur content of 15 ppm and a minimum cetane index of 40 or a maximum aromatic content of 30 percent by volume per 40 CFR§80.510(b).
- G. Per 40 CFR§60.4207, owners and operators of pre-2011 model year diesel generators subject to NSPS Subpart III may petition the Administrator for approval to use remaining non-compliant fuel that does not meet the fuel requirements of 40 CFR§80.510(a) or CFR§80.510(b) beyond the dates required, for the purpose of using up existing fuel inventories.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The owner or operator of this generator, Gen 007, shall install a non-resettable hour meter prior to startup of the engine per 40 CFR§60.4209.
- B. Record each month the total hours of operation for this generator, Gen 007, and the reason the generator was operated. Calculate and record rolling twelve-month totals.
- C. Maintain records of the sulfur content of the fuel oil utilized in this generator, Gen 007.
- D. The owner or operator of this generator, Gen 007, shall follow the monitoring requirements of 40 CFR§60.4209.
- E. The owner or operator of this generator, Gen 007, shall follow the compliance requirements of 40 CFR§60.4211.
- F. The owner or operator of this generator, Gen 007, shall follow the notification, reporting, and recordkeeping requirements of 40 CFR§60.4214(b).

Authority for Requirement: DNR Construction Permit 10-A-524

NSPS and NESHAP Requirements

This emission unit is subject to the New Source Performance Standards (NSPS) Subpart III – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR §60.4200 through 40 CFR §60.4219) and to NSPS Subpart A - General Provisions (40 CFR §60.1 through 40 CFR §60.19) and is also subject to the requirements of 567 IAC 23.1(2)“yyy”.

The emission unit is subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Reciprocating Internal Combustion Engines (Subpart ZZZZ). Stationary RICE units subject to regulations under 40 CFR Part 60; however, must meet the requirements of Subpart ZZZZ by meeting the requirements of 40 CFR Part 60 Subpart III. No further requirements apply for such engines under Subpart ZZZZ.

Authority for Requirement: DNR Construction Permit 10-A-524
40 CFR 60 Subpart III
567 IAC 23.1(2)"yyy"
40 CFR 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 9.4
Stack Opening, (inches, dia.): 10
Exhaust Flow Rate (scfm): 2,781
Exhaust Temperature (°F): 425
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 10-A-524

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 008-001

Associated Equipment

Associated Emission Unit ID Number: PUMP HOUSE BOILER

Emission Unit vented through this Emission Point: PUMP HOUSE BOILER

Emission Unit Description: Boiler

Raw Material/Fuel: Natural Gas

Rated Capacity: 2.2 MMBtu/hr

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.6 lb/MMBtu

Authority for Requirement: 567 IAC 23.3(2)"b"(2)

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

Authority for Requirement: 567 IAC 23.3(3)"e"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

This equipment is subject to regulation by the following federal regulation: National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters [40 CFR Part 63 Subpart DDDDD].

Authority for Requirement: 567 IAC 22.108(3)

40 CFR 63 Subpart DDDDD

567 IAC 23.1(4)"dd"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 008-002

Associated Equipment

Associated Emission Unit ID Number: Gen 008

Emission Unit vented through this Emission Point: Gen 008

Emission Unit Description: Generator

Raw Material/Fuel: Diesel Fuel

Rated Capacity: 340 bhp

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 2.5 lb/MMBtu

Authority for Requirement: 567 IAC 23.3(3)"b"(2)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

The emergency engine is subject to 40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE).

According to 40 CFR 63.6590(a)(1)(ii) this compression ignition emergency engine, located at a major source, is an existing stationary RICE as it was constructed prior to June 12, 2006.

Compliance Date

Per 63.6595(a)(1) you must comply with the provisions of Subpart ZZZZ that are applicable by May 3, 2013.

Fuel Requirements (for diesel CI > 100 hp)

No requirements except (beginning January 1, 2015) if you own or operate an existing emergency compression ignition stationary engine with a site rating of more than 100 bhp and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes

specified in 40 CFR 63.6640(f)(2)(ii) and (iii), you must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel. Those requirements include a maximum sulfur content of 15 ppm (0.0015%) by weight and a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume. 40 CFR 63.6604(b)

Operation and Maintenance Requirements 40 CFR 63.6602, 63.6625, 63.6640 and Tables 2c and 6 to Subpart ZZZZ

1. Change oil and filter every 500 hours of operation or annually, whichever comes first. (See 63.6625(i) for the oil analysis option to extend time frame of requirements.)
2. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first, and replace as necessary.
3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
4. Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
5. Install a non-resettable hour meter if one is not already installed.
6. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

Operating Limits 40 CFR 63.6640(f)

1. Any operation other than emergency operation, maintenance and testing, emergency demand response and operation in non-emergency situations (*up to*) 50 hours per year is prohibited.
2. There is no time limit on the use of emergency stationary RICE in emergency situations.
3. You may operate your emergency stationary RICE up to 100 combined hours per calendar year for maintenance checks and readiness testing, emergency demand response and periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency. See 40 CFR 63.6640(f)(2) for additional information and restrictions.
4. You may operate your emergency stationary RICE up to 50 hours per calendar year for non-emergency situations, but those 50 hours are counted toward the 100 hours of maintenance and testing and emergency demand response. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

Recordkeeping Requirements 40 CFR 63.6655

3. Keep records of the maintenance conducted on the stationary RICE.
4. Keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. Document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. See 40 CFR 63.6655(f) for additional information.

Notification and Reporting Requirements 40 CFR 63.6645, 63.6650 and Table 2c to Subpart ZZZZ

4. An initial notification is not required per 40 CFR 63.6645(a)(5).
5. A report may be required for failure to perform the work practice requirements on the schedule required in Table 2c. (See Footnote 1 of Table 2c for more information.)
6. If you own or operate an emergency stationary RICE with a site rating of more than 100 bhp that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii), you must submit an annual report. See 40 CFR 63.6650(h) for additional information.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 010-006

Associated Equipment

Associated Emission Unit ID Number: Tank 10-6

Emission Unit vented through this Emission Point: Tank 10-6

Emission Unit Description: Storage Tank

Raw Material/Fuel: Xylene

Rated Capacity: 30,000 gallons

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

This emission unit is subject to Subparts A (General Provisions, 40 CFR §63.1 - §63.15) and Subpart EEEE (National Emission Standards for Hazardous Air Pollutants: *Organic Liquids Distribution (Non-Gasoline)*, §63.2330 – §63.2406) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart EEEE
567 IAC 23.1(4)"ce"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 010-008

Associated Equipment

Associated Emission Unit ID Number: Tank 10-8

Emission Unit vented through this Emission Point: Tank 10-8

Emission Unit Description: Storage Tank

Raw Material/Fuel: Toluene

Rated Capacity: 30,000 gallons

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

This emission unit is subject to Subparts A (General Provisions, 40 CFR §63.1 - §63.15) and Subpart EEEE (National Emission Standards for Hazardous Air Pollutants: *Organic Liquids Distribution (Non-Gasoline)*, §63.2330 – §63.2406) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart EEEE
567 IAC 23.1(4)"ce"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 010-013

Associated Equipment

Associated Emission Unit ID Number: Tank 13

Emission Unit vented through this Emission Point: Tank 13

Emission Unit Description: Recovered Solvent Tank

Raw Material/Fuel: Solvent

Rated Capacity: 19,750 gallons

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

There are no operating limits for this source at this time.

Authority for Requirement: DNR Construction Permit 94-A-451-S2

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 30

Stack Opening, (inches, dia.): 4

Exhaust Flow Rate (scfm): Displacement

Exhaust Temperature (°F): 51

Discharge Style: Downward

Authority for Requirement: DNR Construction Permit 94-A-451-S2

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 010-018

Associated Equipment

Associated Emission Unit ID Number: Tank 18

Emission Control Equipment ID Number: TNK18DC

Emission Control Equipment Description: Donaldson Torit Dust Collector

Applicable Requirements

Emission Unit vented through this Emission Point: Tank 18

Emission Unit Description: Glass Bubbles Storage Tank

Raw Material/Fuel: Inorganic Bubbles

Rated Capacity: 114 lb/hr

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 40%⁽¹⁾

Authority for Requirement: 567 IAC 23.3(2)"d"

DNR Construction Permit 99-A-224

⁽¹⁾If an opacity measurement exceeds the indicator opacity (25%) this facility should promptly investigate this source and make corrections. However, if after corrections are made the opacity continues to exceed the indicator opacity the Department may require a demonstration of compliance with mass emission limits, i.e. stack tests.

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

DNR Construction Permit 99-A-224

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

A. Maintain Donaldson Torit Dust Collector according to manufacturer's specifications and maintenance schedule.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

A. Record on a monthly basis, all maintenance of Donaldson Torit Dust Collector.

Authority for Requirement: DNR Construction Permit 99-A-224

Emission Point Characteristics

The source shall be connected to the stack designated below.

Stack Height (feet): 50
Stack Diameter (inches): 10
Stack Exhaust Flow Rate (scfm): 100
Stack Temperature (°F): Ambient

Authority for Requirement: DNR Construction Permit 99-A-224

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 019-002

Associated Equipment

Associated Emission Unit ID Number: 7NS1

Emission Unit vented through this Emission Point: 7NS1

Emission Unit Description: Coater

Raw Material/Fuel: Coating

Rated Capacity: 672,000 cf/hr

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 5%

Authority for Requirement: DNR Construction Permit 94-A-167

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 1.75 lb/hr; 7.67 tons/yr

Authority for Requirement: DNR Construction Permit 94-A-167

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

A. Operation condition monitoring shall not be required as part of this permit.

Authority for Requirement: DNR Construction Permit 94-A-167

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

This emission unit is subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". This unit is subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"
40 CFR 60 Subpart RR

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 43.17

Stack Opening, (inches): 9.6875 x 12.9375

Exhaust Flow Rate (cfm): 500

Exhaust Temperature (°F): 70

Authority for Requirement: DNR Construction Permit 94-A-167

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Opacity Monitoring:

Visible emissions shall be observed on a weekly basis to ensure that none occur when the emission unit on this emission point is at or near full capacity. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity (>5 %) is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from observation of the violation.

If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Maintain a written record of the observation and any action resulting from the observation for a minimum of five years.

Authority for Requirement: 567 IAC 22.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Numbers: 019-003, 019-004, 019-005

Associated Equipment

Associated Emission Unit ID Number: 7NC

Emission Unit vented through this Emission Point: 7NC

Emission Unit Description: Cure Chamber/Dryer

Raw Material/Fuel: Adhesive/Coating

Rated Capacity: 10 gal/min

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

This emission unit is subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". This unit is subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"
40 CFR 60 Subpart RR
567 IAC 23.1(2)"qq"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 019-006

Associated Equipment

Associated Emission Unit ID Number: 13JE

Emission Unit vented through this Emission Point: 13JE

Emission Unit Description: Extruder

Raw Material/Fuel: Polypropylene

Rated Capacity: 2000 lb/hr

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 019-008

Associated Equipment

Associated Emission Unit ID Number: 14JCT

Emission Unit vented through this Emission Point: 14JCT
Emission Unit Description: Corona Treater
Raw Material/Fuel: Electricity applied to the film
Rated Capacity: 20 kW

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Ozone

Emission Limit(s): 1.44 lb/hr

Authority for Requirement: DNR Construction Permit 90-A-364-S1

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

None are required at this time.

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 33.4

Stack Opening, (inches): 12

Exhaust Flow Rate (scfm): 4,160

Exhaust Temperature (°F): 70

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 90-A-364-S1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 019-012

Associated Equipment

Associated Emission Unit ID Number: 7NDL1

Emission Unit vented through this Emission Point: 7NDL1

Emission Unit Description: Delaminator

Raw Material/Fuel: Acrylic Acid

Rated Capacity: 60 ft/min

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 5 %

Authority for Requirement: DNR Construction Permit 94-A-166

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 1.46 lb/hr; 6.45 tons/yr

Authority for Requirement: DNR Construction Permit 94-A-166

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 63, Subpart JJJJ, Paper and Other Web Coating.

This emission unit is subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". This unit is subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart JJJJ
567 IAC 23.1(4)"cj"
40 CFR 60 Subpart RR
567 IAC 23.1(2)"qq"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 43.17
Stack Opening, (inches): 21 x 16
Exhaust Flow Rate (scfm): 2,000
Exhaust Temperature (°F): 70
Authority for Requirement: DNR Construction Permit 94-A-166

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Opacity Monitoring

Visible emissions shall be observed on a weekly basis to ensure that none occur when the emission unit on this emission point is at or near full capacity. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity (>5 %) is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from observation of the violation.

If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Maintain a written record of the observation and any action resulting from the observation for a minimum of five years.

Authority for Requirement: 567 IAC 22.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 019-013

Associated Equipment

Associated Emission Unit ID Number: 7NDM

Emission Unit vented through this Emission Point: 7NDM
Emission Unit Description: 7N Drum Pump and Mixing
Raw Material/Fuel: Adhesives
Rated Capacity: 6.85 gal/hr

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

This emission unit is subject to the requirements of 40 CFR Part 60, Subpart RR, "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations". This unit is subject to the requirements of §60.442(a) as well as all other applicable sections of this subpart.

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 60 Subpart RR
567 IAC 23.1(2)"qq"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

- Agency Approved Operation & Maintenance Plan Required?** Yes No
- Facility Maintained Operation & Maintenance Plan Required?** Yes No
- Compliance Assurance Monitoring (CAM) Plan Required?** Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 019-065

Associated Equipment

Associated Emission Unit ID Numbers: 13JCT

Emission Unit vented through this Emission Point: 13JCT
Emission Unit Description: Two-sided Corona Treater
Raw Material/Fuel: Electricity applied to the film
Rated Capacity: 2- 10 KW Corona Treaters

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

None are required at this time.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 47
Stack Diameter (inches): 12
Stack Exhaust Flow Rate (scfm): 3,240
Stack Temperature (°F): 70
Discharge Style: Vertical unobstructed
Authority for Requirement: DNR Construction Permit 98-A-1164-S1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 022-001

Associated Equipment

Associated Emission Unit ID Number: AATNK

Emission Unit vented through this Emission Point: AATNK
Emission Unit Description: Storage Tank (16,000 gallons)
Raw Material/Fuel: Acrylic Acid
Rated Capacity: 37.7 gal/hr

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

This emission unit is subject to Subparts A (General Provisions, 40 CFR §63.1 - §63.15) and Subpart EEEE (National Emission Standards for Hazardous Air Pollutants: *Organic Liquids Distribution (Non-Gasoline)*, §63.2330 – §63.2406) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart EEEE
567 IAC 23.1(4)"ce"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 029-004

Associated Equipment

Associated Emission Unit ID Numbers: IMF2

Emission Unit vented through this Emission Point: IMF2

Emission Unit Description: IMF2

Raw Material/Fuel: Previously Coated Material

Rated Capacity: 40 yards/min, 56.5 inches in width

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 1.00 lb/hr

Authority for Requirement: DNR Construction Permit 15-A-228

Operational Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits

None at this time.

Reporting and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The owner or operator shall maintain a record of the material used on the line. The record shall be updated each time a different material is used on the line. If the material used is expected to increase the emissions of VOC, the facility shall seek a permit modification.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 40-7

Stack Diameter (inches): 36, tapers to 19 inches at exit

Stack Exhaust Flow Rate (scfm): 8,000

Stack Temperature (°F): 72

Discharge Style: Vertical

Authority for Requirement: DNR Construction Permit 15-A-228

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 00X-00X (Fugitives)

Associated Equipment

Associated Emission Unit ID Numbers: Transfer Rack 6, TR Comp RM1, Coating MIXRM TR, General W/O ELC, General W/ELC

Emission Unit Vented through this Emission Point	Emission Unit Description	Raw Material/Fuel	Rated Capacity
Transfer Rack 6	Recovered Xylene Loadout	Xylene	Unknown
TR Comp RM1	Toluene Transfer Rack to Compounding	Toluene	2.292 gal/hr
Coating MIXRM TR	Toluene Transfer Rack to Coating Mix Room	Toluene	2.295 gal/hr
General W/O ELC	General Piping without Electronic Level Control	Toluene, Xylene	Unknown
General W/ELC	General Piping with Electronic Level Control	Toluene, Xylene	Unknown

Applicable Requirements

Emission Limits (lb./hr., gr/dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

None are required at this time.

Operational Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Requirements

This emission unit is subject to Subparts A (General Provisions, 40 CFR §63.1 - §63.15) and Subpart EEEE (National Emission Standards for Hazardous Air Pollutants: *Organic Liquids Distribution (Non-Gasoline)*, §63.2330 – §63.2406) of the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Authority for Requirement: 567 IAC 22.108(3)
40 CFR 63 Subpart EEEE
567 IAC 23.1(4)"ce"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

IV. Emission Points Without Specific Conditions

The following emission units do not have any specific emissions limits, therefore monitoring is not required. The emission units are grandfathered from construction permitting until a modification takes place. The owner/operator shall comply with all applicable requirements that become effective during the permit term.

Emission Point ID	Emission Unit ID	Description	Raw Material/Fuel	Rated Capacity
010-001	Tank 1	Tank	Solvent	30,000 gals.
010-002	Tank 2	Tank	Solvent	30,000 gals.
010-003	Tank 3	Tank	Solvent	30,000 gals.
010-004	Tank 4	Tank	Solvent	30,000 gals.
010-005	Tank 5	Tank	Solvent	30,000 gals.
010-007	Tank 7	Tank	Solvent	30,000 gals.
010-011	Tank 11	Tank	Solvent	4,000 gals.
010-012	Tank 12	Tank	Solvent	4,000 gals.
004-085	2NBADH	SOL Storage Tank	Adhesive	180 gal/hr
005-046	CR2 2N	Mixer	Solvent/ Rubber/ Resin	375 gal/hr
005-047	CR1 MT1	Mix Vessel	Coatings	90 gal/hr
005-049	CR1HT1	Hold Tank	Solvent	90 gal/hr
005-050	CR1HT2	Hold Tank	Solvent	90 gal/hr

V. General Conditions

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22.

G1. Duty to Comply

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *567 IAC 22.108(9)"a"*
2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. *567 IAC 22.105 (2)"h"(3)*
3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. *567 IAC 22.108 (1)"b"*
4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. *567 IAC 22.108 (14)*
5. 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 the permit. *567 IAC 22.108 (9)"b"*
6. For applicable requirements with which the permittee is in compliance, the permittee shall continue to comply with such requirements. For applicable requirements that will become effective during the permit term, the permittee shall meet such requirements on a timely basis. *567 IAC 22.108(15)"c"*

G2. Permit Expiration

1. Except as provided in rule 567—22.104(455B), permit expiration terminates a source's right to operate unless a timely and complete application for renewal has been submitted in accordance with rule 567—22.105(455B). *567 IAC 22.116(2)*
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall submit on forms or electronic format specified by the Department to the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, 7900 Hickman Rd, Suite #1, Windsor Heights, Iowa 50324, two copies (three if your facility is located in Linn or Polk county) of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. An additional copy must also be sent to U.S. EPA Region VII, Attention: Chief of Air Permits, 11201 Renner Blvd., Lenexa, KS 66219. Additional copies to local programs or EPA are not required for application materials submitted through the electronic format specified by the Department. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in 567 IAC 22.105(2). *567 IAC 22.105*

G3. Certification Requirement for Title V Related Documents

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *567 IAC 22.107 (4)*

G4. Annual Compliance Certification

By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and the appropriate DNR Field office. *567 IAC 22.108 (15)"e"*

G5. Semi-Annual Monitoring Report

By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 22.107(4). The semi-annual monitoring report shall be submitted to the director and the appropriate DNR Field office. *567 IAC 22.108 (5)*

G6. Annual Fee

1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The following forms shall be submitted annually by March 31 documenting actual emissions for the previous calendar year.
 - a. Form 1.0 "Facility Identification";
 - b. Form 4.0 "Emissions unit-actual operations and emissions" for each emission unit;
 - c. Form 5.0 "Title V annual emissions summary/fee"; and
 - d. Part 3 "Application certification."
4. The fee shall be submitted annually by July 1. The fee shall be submitted with the following forms:
 - a. Form 1.0 "Facility Identification";
 - b. Form 5.0 "Title V annual emissions summary/fee";
 - c. Part 3 "Application certification."
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.

7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.

8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

G7. Inspection of Premises, Records, Equipment, Methods and Discharges

Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:

1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the 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; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 22.108 (15)"b"*

G8. Duty to Provide Information

The permittee shall furnish to the director, within a reasonable time, any information that the director 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 also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 22.108 (9)"e"*

G9. General Maintenance and Repair Duties

The owner or operator of any air emission source or control equipment shall:

1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 24.2(1)*

G10. Recordkeeping Requirements for Compliance Monitoring

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:

- a. The date, place and time of sampling or measurements
- b. The date the 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; and
- f. The operating conditions as existing at the time of sampling or measurement.
- g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)

2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance

records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.

3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:

- a. Comply with all terms and conditions of this permit specific to each alternative scenario.
- b. Maintain a log at the permitted facility of the scenario under which it is operating.
- c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

G11. Evidence used in establishing that a violation has or is occurring.

Notwithstanding any other provisions of these rules, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions herein.

1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:

- a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;
- b. Compliance test methods specified in 567 Chapter 25; or
- c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.

2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:

- a. Any monitoring or testing methods provided in these rules; or
- b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. *567 IAC 21.5(1)-567 IAC 21.5(2)*

G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. *567 IAC 22.108(6)*

G13. Hazardous Release

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 725-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). *567 IAC Chapter 131-State Only*

G14. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess

emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. A variance from this subrule may be available as provided for in Iowa Code section 455B.143. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

2. Excess Emissions Reporting

a. Initial Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An initial report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable emission standard by more than 10 percent or the applicable visible emission standard by more than 10 percent opacity. The initial report may be made by electronic mail (E-mail), in person, or by telephone and shall include as a minimum the following:

- i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and expected duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps being taken to remedy the excess emission.
- vi. The steps being taken to limit the excess emission in the interim period.

b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required initial reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:

- i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and duration of the excess emission.
- iv. The cause of the excess emission.

v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.

vi. The steps that were taken to limit the excess emission.

vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4)*

3. Emergency Defense for Excess Emissions. For the purposes of this permit, an “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

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

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

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

d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice fulfills the requirement of paragraph 22.108(5)"b." – See G15. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency or upset provision contained in any applicable requirement. *567 IAC 22.108(16)*

G15. Permit Deviation Reporting Requirements

A deviation is any failure to meet a term, condition or applicable requirement in the permit. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above (see G13 and G14). Unless more frequent deviation reporting is specified in the permit, any other deviation shall be documented in the semi-annual monitoring report and the annual compliance certification (see G4 and G5). *567 IAC 22.108(5)"b"*

G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants), 567-subrule 23.1(4) (emission standards for hazardous air pollutants for source categories) or section 112 of the Act. This notification shall be submitted in writing to the department pursuant to the notification requirements in 40 CFR Section 60.7, 40 CFR Section 61.07, and/or 40 CFR Section 63.9. *567 IAC 23.1(2), 567 IAC 23.1(3), 567 IAC 23.1(4)*

G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:
 - a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.
 - b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
 - c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
 - d. The changes are not subject to any requirement under Title IV of the Act (revisions affecting Title IV permitting are addressed in rules 567—22.140(455B) through 567 - 22.144(455B));
 - e. The changes comply with all applicable requirements.
 - f. For each such change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:
 - i. A brief description of the change within the permitted facility,
 - ii. The date on which the change will occur,
 - iii. Any change in emission as a result of that change,
 - iv. The pollutants emitted subject to the emissions trade
 - v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
 - vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
 - vii. Any permit term or condition no longer applicable as a result of the change. *567 IAC 22.110(1)*
2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110(2)*
3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110(3)*
4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110(4)*
5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108(11)*

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.

- a. An administrative permit amendment is a permit revision that does any of the following:
 - i. Correct typographical errors
 - ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
 - iii. Require more frequent monitoring or reporting by the permittee; or
 - iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.
- b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.
- c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

2. Minor Title V Permit Modification.

- a. Minor Title V permit modification procedures may be used only for those permit modifications that satisfy all of the following:
 - i. Do not violate any applicable requirement;
 - ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit;
 - iii. Do not require or change a case by case determination of an emission limitation or other standard, or an increment analysis;
 - iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act;
 - v. Are not modifications under any provision of Title I of the Act; and
 - vi. Are not required to be processed as significant modification under rule 567 - 22.113(455B).
- b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:
 - i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
 - ii. The permittee's suggested draft permit;
 - iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and
 - iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).

c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against the facility.

3. Significant Title V Permit Modification.

Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, as those requirements that apply to Title V issuance and renewal.

The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. *567 IAC 22.111-567 IAC 22.113*

G19. Duty to Obtain Construction Permits

Unless exempted in 567 IAC 22.1(2) or to meet the parameters established in 567 IAC 22.1(1)"c", the permittee shall not construct, install, reconstruct or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, or conditional permit, or permit pursuant to rule 567 IAC 22.8, or permits required pursuant to rules 567 IAC 22.4, 567 IAC 22.5, 567 IAC 31.3, and 567 IAC 33.3 as required in 567 IAC 22.1(1). A permit shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source or anaerobic lagoon. *567 IAC 22.1(1)*

G20. Asbestos

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when activities involve asbestos mills, surfacing of roadways, manufacturing operations, fabricating, insulating, waste disposal, spraying applications, demolition and renovation operations (*567 IAC 23.1(3)"a"*); training fires and controlled burning of a demolished building (*567 IAC 23.2*).

G21. Open Burning

The permittee is prohibited from conducting open burning, except as provided in 567 IAC 23.2. *567 IAC 23.2 except 23.2(3)"j"; 567 IAC 23.2(3)"j" - State Only*

G22. Acid Rain (Title IV) Emissions Allowances

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the

owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. 567 IAC 22.108(7)

G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.

b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.

c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.

d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.

2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.

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

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

d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)

e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.

3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.

4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,

5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. 40 CFR part 82

G24. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*
2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.
 - a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;
 - b. Reopening and revision on this ground is not 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 have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to May 15, 2001.
 - c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a"*, *567 IAC 22.108(17)"b"*
3. A permit shall be reopened and revised under any of the following circumstances:
 - a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to July 21, 1992, provided that the reopening may be stayed pending judicial review of that determination;
 - b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
 - c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
 - d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
 - e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*
4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*
5. A notice of intent shall be provided to the Title V source at least 30 days in advance of the date the permit is to be reopened, except that the director may provide a shorter time period in the case of an emergency. *567 IAC 22.114(3)*

G25. Permit Shield

1. The director may expressly include in a Title V permit a provision stating that compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:
 - a. Such applicable requirements are included and are specifically identified in the permit;
or
 - b. The director, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.
2. A Title V permit that does not expressly state that a permit shield exists shall be presumed not to provide such a shield.
3. A permit shield shall not alter or affect the following:
 - a. The provisions of Section 303 of the Act (emergency orders), including the authority of the administrator under that section;
 - b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
 - c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act;
 - d. The ability of the department or the administrator to obtain information from the facility pursuant to Section 114 of the Act. *567 IAC 22.108 (18)*

G26. Severability

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 22.108 (8)*

G27. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 22.108 (9)"d"*

G28. Transferability

This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought consistent with the requirements of *567 IAC 22.111(1)*. *567 IAC 22.111 (1)"d"*

G29. Disclaimer

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. *567 IAC 22.3(3)"c"*

G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with applicable requirements of *567 – Chapter 23* or a permit condition. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. If the owner or operator does not provide timely notice to the department, the department shall not consider the test results or performance evaluation results to be a valid demonstration of compliance with applicable rules or permit conditions. Upon written request, the department may allow a notification period of less than 30 days. At the department's request, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. A testing protocol shall be submitted to the department no later than 15 days before the owner or operator conducts the compliance

demonstration. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

Stack test notifications, reports and correspondence shall be sent to:

Stack Test Review Coordinator
DNR, Air Quality Bureau
7900 Hickman Road, Suite #1
Windsor Heights, IA 50324
(515) 725-9545

Within Polk and Linn Counties, stack test notifications, reports and correspondence shall also be directed to the supervisor of the respective county air pollution program.

567 IAC 25.1(7)"a", 567 IAC 25.1(9)

G31. Prevention of Air Pollution Emergency Episodes

The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons.

567 IAC 26.1(1)

G32. Contacts List

The current address and phone number for reports and notifications to the EPA administrator is:

Chief of Air Permits
U.S. EPA Region 7
Air Permits and Compliance Branch
11201 Renner Blvd.
Lenexa, KS 66219
(913) 551-7020

The current address and phone number for reports and notifications to the department or the Director is:

Chief, Air Quality Bureau
Iowa Department of Natural Resources
7900 Hickman Road, Suite #1
Windsor Heights, IA 50324
(515) 725-9500

Reports or notifications to the DNR Field Offices or local programs shall be directed to the supervisor at the appropriate field office or local program. Current addresses and phone numbers are:

Field Office 1

909 West Main – Suite 4
Manchester, IA 52057
(563) 927-2640

Field Office 2

2300-15th St., SW
Mason City, IA 50401
(641) 424-4073

Field Office 3

1900 N. Grand Ave.
Spencer, IA 51301
(712) 262-4177

Field Office 4

1401 Sunnyside Lane
Atlantic, IA 50022
(712) 243-1934

Field Office 5

7900 Hickman Road, Suite #200
Windsor Heights, IA 50324
(515) 725-0268

Field Office 6

1023 West Madison Street
Washington, IA 52353-1623
(319) 653-2135

Polk County Public Works Dept.

Air Quality Division
5885 NE 14th St.
Des Moines, IA 50313
(515) 286-3351

Linn County Public Health

Air Quality Branch
501 13th St., NW
Cedar Rapids, IA 52405
(319) 892-6000

VI. Appendix

Appendix A

- A. 40 CFR Part 60 Subpart A - General Provisions for New Source Performance Standards
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.7.60.a>
- B. 40 CFR Part 60 Subpart RR – New Source Performance Standards for Pressure Sensitive Tape and Label Surface Coating Operations
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.7.60.rr>
- C. 40 CFR Part 60 Subpart IIII - New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.7.60.iiii>
- D. 40 CFR 63 Subpart A – General Provisions for National Emission Standards for Hazardous Air Pollutants
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.10.63.a>
- E. 40 CFR 63 Subpart KK – National Emission Standards for Hazardous Air Pollutants for the Printing and Publishing Industry
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.11.63.kk>
- F. 40 CFR Part 63 Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.13.63.eeee>
- G. 40 CFR Part 63 Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Manufacturing
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.13.63.ffff>
- H. 40 CFR 63 Subpart JJJJ – National Emission Standards for Hazardous Air Pollutants for Paper and Other Web Coatings
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.13.63.jjjj>
- I. 40 CFR Part 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.14.63.zzzz>
- I. 40 CFR Part 63 Subpart DDDDD - National Emission Standard for Hazardous Air Pollutants Industrial, Commercial, and Institutional Boilers and Process Heaters
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.14.63.ddddd>
- K. 40 CFR 63 Subpart HHHHH – National Emission Standards for Hazardous Air Pollutants for Miscellaneous Coating Manufacturing
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.14.63.hhhhh>