



Catherine E. Heigel, Director

*Promoting and protecting the health of the public and the environment*

**DATE**

Bob Welnick  
Michelin North America, Inc. – Lexington Facility (US5 & US7)  
P.O. Box 579  
Lexington, SC 29072

Re: Revision to Air Quality Title V Operating Permit No. TV-1560-0042

Dear Mr. Welnick:

Enclosed is a revision to Air Quality Title V Operating Permit. Please note the conditions and limitations imposed. This modified permit is being issued to incorporate changes into your existing Title V Operating Permit as described in the enclosed Record of Revisions. This revised Title V Operating Permit will remain valid through **EXPIRATION DATE**, unless otherwise provided for by S.C. Regulation 61-62.70.7(c)(1)(ii).

This Title V Operating Permit may include several periodic reporting requirements with varying submittal frequencies and due dates. Reports required under the terms and conditions of this permit must be completed and submitted in a timely manner in accordance with the periodic reporting schedule found in this permit.

It is important for you and/or an authorized representative responsible for the overall operation of this facility to read this issued permit carefully and to understand all requirements. If any errors or omissions are discovered, please notify Susan Peterson of my staff, via e-mail at [peterssc@dhec.sc.gov](mailto:peterssc@dhec.sc.gov), or call (803) 898-0873.

Pursuant to the South Carolina Administrative Procedures Act, any Department decision involving the issuance, denial, renewal, suspension or revocation of a permit may be appealed by the applicant, permittee, licensee, and/or affected persons. Please see the enclosed "Guide to Board Review" for guidelines on filing an appeal.

Sincerely,

Elizabeth J. Basil  
Director, Engineering Services Division  
Bureau of Air Quality

EJB:scp:

Enclosure

cc: Title V File: 1560-0042

ec: Ben Buchanan, BEHS  
James Purvis, EPA Region 4  
Michael Shroup, Source Evaluation  
Heinz Kaiser, Air Toxics  
Lynn Barnes, Emissions Inventory



# Office of Environmental Quality Control

## Bureau of Air Quality

### Title V Operating Permit

**Michelin North America, Inc. – Lexington Facility (US5 & US7)**  
**2420 Two Notch Road**  
**Lexington, South Carolina 29072**  
**Lexington County**

In accordance with the provisions of the *Pollution Control Act*, Sections 48-1-50(5) and 48-1-110(a), the 1976 *Code of Laws of South Carolina*, as amended, and *South Carolina Regulation 61-62, Air Pollution Control Regulations and Standards*, the Bureau of Air Quality authorizes the operation of this facility and the equipment specified herein in accordance with valid construction permits, and the plans, specifications, and other information submitted in the Title V permit application received on October 2, 2013, as amended.

The operation of this facility is subject to and conditioned upon the terms, limitations, standards, and schedules contained herein or as specified by this permit and its accompanying attachments.

**Permit Number: TV-1560-0042**

**Issue Date: December 16, 2013**

**Effective Date: January 1, 2014**

**Renewal Due Date: June 30, 2018**

**Expiration Date: December 31, 2018**

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**Director, Engineering Services Division**  
**Bureau of Air Quality**

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<b>RECORD OF REVISIONS</b>		
<b>Date</b>	<b>Type</b>	<b>Description of Change</b>
<b>DATE</b>	SM	Revise the permit to include a Plant-wide Applicability limit of 755.36 tpy for VOC. Although not considered a Significant Modification, revise the permit to incorporate the entire 1560-0113.1tv (US7) permit.

- AA Administrative Amendment
- MM Minor Modification
- SM Significant Modification

DRAFT

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<b>A. EMISSION UNIT DESCRIPTION</b>		
<b>Emission Unit ID</b>	<b>Location</b>	<b>Emission Unit Description</b>
01	US5	Rubber Preparation
03	US5	BD11-13, BD12MULTX
04	US5	BD14, BD15
05	US5	MAC and MAF Lines 1-2, BD6, BD9, BD10
06	US5	PAPP BNS Tire Builders
07	US5	MATCH FAST Tire Builders
08	US5	<b>VOID - F8000</b> (PAPP BNS Lines 22-23, Curing J 12-14, Curing M 1-10) (moved PAPP BNS 22, 23 Tire Builders to Unit ID 06; moved Curing Lines to Unit ID 11)
09	US5	PAX Tire Building Lines
10	US5	Green Tire Spraying
11	US5	Tire Curing Lines A, B, C, D, G, H, J 1-11, K, L, M N, O, R, PAX curing, F1
12	US5	RIS (Rectification) Grinding
13	US5	WSW (White Side Wall) Grinding
14	US5	Repair Areas
15	US5	Boilers
16	US5	MB2 Tire Builders
17	N/A	Reserved
18	N/A	Reserved
19	N/A	Reserved
20	N/A	Reserved
21	US7	Rubber Preparation
22	US7	Tire Building
23	US7	Tire Curing
24	US7	Repair

**B EQUIPMENT AND CONTROL DEVICE(S)**

**B.1 EQUIPMENT FOR EMISSION UNIT ID 01 – Rubber Preparation**

<b>Equipment ID</b>	<b>Equipment Description</b>	<b>Installation Date/Modification Date</b>	<b>Control Device ID</b>	<b>Emission Point ID</b>
BD2	BD 2	1988	None	522-16
BD3	BD 3	1981	None	522-17
BD4	BD 4	1981	None	522-18
BD5	BD 5	1988	None	522-19
BD7	BD 7	1988	None	522-21
BD8	BD 8	1988	None	522-22
BD16	BD 16	1981	None	523-4
		2012	None	523-5
				523-6
				523-7
CAL800	Calenders 800	1981, 1997	None	521-5
CALEB	Calenders 2-4	1981, 1997, 1998	None	522-14
FB	Feed Band Machines	1989, 2013	None	521-15
BIS	Bis Mills	1981	None	522-16

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**B.1 EQUIPMENT FOR EMISSION UNIT ID 01 – Rubber Preparation**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
CUT	Cutters	1982, 1987, 1988, 1989, 1992, 1994, 1995, 1996, 2000, 2002	None	522-16 522-17 522-18 522-19 522-21 522-22
DEC	Decorticage	1981	None	522-5
BBO	BBO Mini-extruder	2004	None	522-16 522-17 522-18 522-19 522-21 522-22

**B.2 EQUIPMENT FOR EMISSION UNIT ID 03 – BD11-13, BD12MULTX**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
BD11	BD 11 Undertread Cementing Extruder	1991	CD-BR1-BR5	124-1 124-44 124-45 523-3 523-4
BD12	BD 12 Undertread Cementing Extruder	1992	CD-BR1-BR5	124-1 124-44 124-45 523-3 523-4
BD13	BD 13 Undertread Cementing Extruder	1994	CD-BR1-BR5	124-1 124-44 124-45 523-5
BD12MULTX	BD12MULTX Undertread Cementing Extruder	5/13/2013	CD-BR1-BR5	124-1 124-44 124-45 523-3 523-4

**B.3 CONTROL DEVICE(S) FOR EMISSION UNIT ID 03 – BD11-13, BD12MULTX**

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
CD-BR1	Boiler 1	1981	VOC
CD-BR2	Boiler 2	1981	VOC
CD-BR3	Boiler 3	1997	VOC
CD-BR4	Boiler 4	1997	VOC
CD-BR5	Boiler 5	2009	VOC

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**B.4 EQUIPMENT FOR EMISSION UNIT ID 04 – BD14, BD15**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
BD14	BD 14 Undertread Cementing Extruder	2001, 2004	CD-BR1-BR5	124-1 124-44 124-45 523-7
BD15	BD15 Undertread Cementing Extruder	1/15/2013	CD-BR1-BR5	124-1 124-44 124-45 523-4 523-5 523-6

**B.5 CONTROL DEVICE(S) FOR EMISSION UNIT ID 04 – BD14, BD15**

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
CD-BR1	Boiler 1	1981	VOC
CD-BR2	Boiler 2	1981	VOC
CD-BR3	Boiler 3	1997	VOC
CD-BR4	Boiler 4	1997	VOC
CD-BR5	Boiler 5	2009	VOC

**B.6 EQUIPMENT FOR EMISSION UNIT ID 05 – MAC and MAF Lines 1-2, BD6, BD9, BD10**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
MAC1	MAC1	1982	CD-BR1-BR5	124-1 124-44 124-45
MAF1	MAF1	1982	CD-BR1-BR5	124-1 124-44 124-45
MAC2	MAC2	1982	CD-BR1-BR5	124-1 124-44 124-45
MAF2	MAF2	1982	CD-BR1-BR5	124-1 124-44 124-45
BD6	BD6	1981	CD-BR1-BR5	124-1 124-44 124-45 521-19
BD9	BD9	1981	CD-BR1-BR5	124-1 124-44 124-45

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**B.6 EQUIPMENT FOR EMISSION UNIT ID 05 – MAC and MAF Lines 1-2, BD6, BD9, BD10**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
BD10	BD10	1981	CD-BR1-BR5	124-1 124-44 124-45

**B.7 CONTROL DEVICE(S) FOR EMISSION UNIT ID 05 – MAC and MAF Lines 1-2, BD6, BD9, BD10**

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
CD-BR1	Boiler 1	1981	VOC
CD-BR2	Boiler 2	1981	VOC
CD-BR3	Boiler 3	1997	VOC
CD-BR4	Boiler 4	1997	VOC
CD-BR5	Boiler 5	2009	VOC

**B.8 EQUIPMENT FOR EMISSION UNIT ID 06 –PAPP BNS Tire Builders**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
PAPPBNS1	PAPP BNS1	1988	None	560-25, 560-26
PAPPBNS2	PAPP BNS2	1988	None	560-25, 560-26
PAPPBNS3	PAPP BNS3	1988	None	560-25, 560-26
PAPPBNS4	PAPP BNS4	1988	None	560-25, 560-26
PAPPBNS5	PAPP BNS5	1988	None	560-25, 560-26
PAPPBNS6	PAPP BNS6	1988	None	560-25, 560-26
PAPPBNS7	PAPP BNS7	1988	None	560-25, 560-26
PAPPBNS8	PAPP BNS8	1988	None	560-25, 560-26
PAPPBNS9	PAPP BNS9	1988	None	560-25, 560-26
PAPPBNS10	PAPP BNS10	1988	None	560-32, 560-33
PAPPBNS11	PAPP BNS11	1988	None	560-32, 560-33
PAPPBNS12	PAPP BNS12	1988	None	560-32, 560-33
PAPPBNS13	PAPP BNS13	1988	None	560-32, 560-33
PAPPBNS14	PAPP BNS14	1988	None	560-32, 560-33
PAPPBNS15	PAPP BNS15	1988	None	560-32, 560-33
PAPPBNS16	PAPP BNS16	1988	None	560-32, 560-33
PAPPBNS17	PAPP BNS17	1988	None	560-32, 560-33
PAPPBNS18	PAPP BNS18	1988	None	560-32, 560-33
PAPPBNS19	PAPP BNS19	1988	None	560-32, 560-33
PAPPBNS20	PAPP BNS20	1988	None	641-11
PAPPBNS21	PAPP BNS21	1988	None	641-11
PAPPBNS22	PAPP BNS 22	1999	CD-BR1-BR5	124-1, 124-44, 124-45

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**B.8 EQUIPMENT FOR EMISSION UNIT ID 06 –PAPP BNS Tire Builders**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
PAPPBNS23	PAPP BNS 23	1999	CD-BR1-BR5	124-1, 124-44, 124-45

**B.9 CONTROL DEVICE(S) FOR EMISSION UNIT ID 06 –PAPP BNS Tire Builders**

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
CD-BR1	Boiler 1	1981	VOC
CD-BR2	Boiler 2	1981	VOC
CD-BR3	Boiler 3	1997	VOC
CD-BR4	Boiler 4	1997	VOC
CD-BR5	Boiler 5	2009	VOC

**B.10 EQUIPMENT FOR EMISSION UNIT ID 07 – MATCH FAST Tire Builders**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
MATCH1	MATCH1	1990	None	560-28
MATCH2	MATCH2	1990	None	560-31
MATCH3	MATCH3	1990	None	560-34
FAST1	FAST1	1990	None	560-28
FAST2	FAST2	1990	None	560-28
FAST3	FAST3	1990	None	560-31
FAST4	FAST4	1990	None	560-31
FAST5	FAST5	1990	None	560-34
FAST6	FAST6	1990	None	560-34

**B.11 EQUIPMENT FOR EMISSION UNIT ID 09 – PAX Tire Building**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
PAXTB1	PAX Tire Builder 1 (1 <sup>st</sup> and 2 <sup>nd</sup> stages)	2004	CD-BR1-BR5	124-1 124-44 124-45
PAXTB2	PAX Tire Builder 2 (1 <sup>st</sup> and 2 <sup>nd</sup> stages )	2001-2002	CD-BR1-BR5	124-1 124-44 124-45
PAXTB3	PAX Tire Builder 3 (1 <sup>st</sup> stage)	2005	CD-BR1-BR5	124-1 124-44 124-45
PAX REP	PAX Repair Area	2004	None	641-20 641-21 641-26 641-27



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**B.12 CONTROL DEVICE(S) FOR EMISSION UNIT ID 09 – PAX Tire Building**

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
CD-BR1	Boiler 1	1981	VOC
CD-BR2	Boiler 2	1981	VOC
CD-BR3	Boiler 3	1997	VOC
CD-BR4	Boiler 4	1997	VOC
CD-BR5	Boiler 5	2009	VOC

**B.13 EQUIPMENT FOR EMISSION UNIT ID 10 – Green Tire Spraying**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
GTS-1	Green Tire Spray Post 1	1981	CD-GTS-C1	642-41
GTS-2	Green Tire Spray Post 2	1982	CD-GTS-C1	642-41
GTS-3	Green Tire Spray Post 3	1988	CD-GTS-C3	642-41
GTS-4	Green Tire Spray Post 4	1990	CD-GTS-C4	643-8
GTS-5	Green Tire Spray Post 5 (PAX)	2001-2002	CD-GTS-C5	561-22
GTS-6	Green Tire Spray Post 6	7/16/2012	CD-GTS-C6	MB2-1
GTS-7	Green Tire Spray Post 7	1/14/2013	CD-GTS-C7	MB2-28
GTS-8	Green Tire Spray Post 8	5/10/2013	CD-GTS-C8	MB2-29
GTS-9	Green Tire Spray Post 9	8/19/2013	CD-GTS-C9	MB2-30

**B.14 CONTROL DEVICE(S) FOR EMISSION UNIT ID 10 – Green Tire Spraying**

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
CD-GTS-C1	Green Tire Spraying #1 and #2 Mist Collector with Filter	1982	PM <sub>10</sub> /PM <sub>2.5</sub>
CD-GTS-C3	Green Tire Spraying #3 Mist Collector with Filter	1987	PM <sub>10</sub> /PM <sub>2.5</sub>
CD-GTS-C4	Green Tire Spraying #4 Mist Collector with Filter	1989	PM <sub>10</sub> /PM <sub>2.5</sub>
CD-GTS-C5	Green Tire Spraying #5 Mist Collector with Filter	2001-2002	PM <sub>10</sub> /PM <sub>2.5</sub>
CD-GTS-C6	Green Tire Spraying #6 Mist Collector with Filter	7/16/2012	PM <sub>10</sub> /PM <sub>2.5</sub>
CD-GTS-C7	Green Tire Spraying #7 Mist Collector with Filter	10/16/2012	PM <sub>10</sub> /PM <sub>2.5</sub>
CD-GTS-C8	Green Tire Spraying #8 Mist Collector with Filter	5/10/2013	PM <sub>10</sub> /PM <sub>2.5</sub>
CD-GTS-C9	Green Tire Spraying #9 Mist Collector with Filter	8/19/2013	PM <sub>10</sub> /PM <sub>2.5</sub>

**B.15 EQUIPMENT FOR EMISSION UNIT ID 11 - Tire Curing Lines A, B, C, D, G, H, J 1-11, K, L, M N, O, R, PAX curing, F1**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
CURA	Curing Presses A	1981	None	642-12, 642-14, 642-15 642-16, 642-17, 642-18
CURB	Curing Presses B	1982	None	642-19, 642-20, 642-21 642-22, 642-23, 642-24 642-55

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**B.15 EQUIPMENT FOR EMISSION UNIT ID 11 - Tire Curing Lines A, B, C, D, G, H, J 1-11, K, L, M N, O, R, PAX curing, F1**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
CURC	Curing Presses C	1982	None	642-26, 642-27, 642-28 642-29, 642-30, 642-31 642-32
CURD	Curing Presses D	1983	None	642-33, 642-34, 642-35 642-36, 642-37, 642-38
CURG	Curing Presses G	1989	None	642-42, 642-43, 642-44 642-45, 642-46, 642-47 642-48
CURH	Curing Presses H	1987	None	642-4, 642-50, 642-51 642-52
CURJ	Curing Presses J	1990, 1999	None	645-28, 645-29, 645-30 645-31, 645-32
CURK	Curing Presses K	1991, 1995	None	645-20, 645-21, 645-22 645-23, 645-24, 645-25 645-26, 645-27
CURL	Curing Presses L	1992, 1994	None	645-10, 645-11, 645-12 645-13, 645-14, 645-15 645-16, 645-17, 645-18
CURPAX	PAX Curing Presses	2002	None	641-20, 641-21, 641-26 641-27
CURM	Curing Presses M	2000, 2004	None	645-2, 645-3, 645-4 645-5, 645-6, 645-7 645-8, 645-9
CURF1	Curing Press F1	2011	None	642-39 and 41
CURN	Curing Presses N	2012	None	MB2-2 thru 27
CURO	Curing Presses O	2013	None	MB2-2 thru 27
CURR	Curing Presses R	2013	None	MB2-2 thru 27

**B.16 EQUIPMENT FOR EMISSION UNIT ID 12 – RIS (Rectification) Grinding**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
RIS-1	RIS Grinding Station 1	1982	CD-RIS-C1/2	230-18
RIS-2	RIS Grinding Station 2	1982	CD-RIS-C1/2	230-19
RIS-3	RIS Grinding Station 3	1982	CD-RIS-C3/4	230-20
RIS-4	RIS Grinding Station 4	1982, 1998	CD-RIS-C3/4	230-20
RIS-5 (PAX)	RIS Grinding Station 5 (PAX)	2001-2002	CD-RIS-C5	561-19
RIS-6	RIS Grinding Station 6	2012	CD-RIS-C6/7/8/9	190-17
RIS-7	RIS Grinding Station 7	2013	CD-RIS-C6/7/8/9	190-17
RIS-8	RIS Grinding Station 8	2013	CD-RIS-C6/7/8/9	190-17
RIS-9	RIS Grinding 9	2014	CD-RIS-C6/7/8/9	190-17

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**B.18 CONTROL DEVICE(S) FOR EMISSION UNIT ID 12 – RIS (Rectification) Grinding**

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
CD-RIS-C1/2	RIS Grinding Station #1 & #2 Cyclone with filter	1982, 1990	PM <sub>10</sub> /PM <sub>2.5</sub>
CD-RIS-C3/4	RIS Grinding Station #3 & #4 Cyclone with filter	1982, 1998	PM <sub>10</sub> /PM <sub>2.5</sub>
CD-RIS-C5	RIS Grinding Station #5 Cyclone with filter	2001	PM <sub>10</sub> /PM <sub>2.5</sub>
CD-RIS-C6/7/8/9	RIS Grinding Station #6, #7, #8, & #9 baghouse	2012	PM <sub>10</sub> /PM <sub>2.5</sub>

**B.19 EQUIPMENT FOR EMISSION UNIT ID 13 – WSW (White Side Wall) Grinding**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
WSW-1	White Side Wall Grinder 1	1988	CD-WSW-C1, CD-WSW-C2	190-14, 190-15
WSW-2	White Side Wall Grinder 2	1988	CD-WSW-C1, CD-WSW-C2	190-14, 190-15
WSW-3	White Side Wall Grinder 3	1988	CD-WSW-C1, CD-WSW-C2	190-14, 190-15
WSW-4	White Side Wall Grinder 4	1988	CD-WSW-C1, CD-WSW-C2	190-14, 190-15
WSW-5	White Side Wall Grinder 5	1988	CD-WSW-C1, CD-WSW-C2	190-14, 190-15
WSW-6	White Side Wall Grinder 6	1988	CD-WSW-C1, CD-WSW-C2	190-14, 190-15
WSW-7	White Side Wall Grinder 7	1988	CD-WSW-C1, CD-WSW-C2	190-14, 190-15
WSW-8	White Side Wall Grinder 8	1988	CD-WSW-C1, CD-WSW-C2	190-14, 190-15
WSW-9	White Side Wall Grinder 9	1988	CD-WSW-C1, CD-WSW-C2	190-14, 190-15
WSW-10	White Side Wall Grinder 10	1988	CD-WSW-C1, CD-WSW-C2	190-14, 190-15
WSW-11	White Side Wall Grinder 11	1988	CD-WSW-C1, CD-WSW-C2	190-14, 190-15
WSW-12	White Side Wall Grinder 12	1988	CD-WSW-C1, CD-WSW-C2	190-14, 190-15
WSW-13	White Side Wall Grinder 13	2013	CD-WSW-C3	190-20
WSW-14	White Side Wall Grinder 14	2013	CD-WSW-C3	190-20

**B.20 CONTROL DEVICE(S) FOR EMISSION UNIT ID 13 – WSW (White Side Wall) Grinding**

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
CD-WSW-C1	WSW Grinding Hydrostatic Precipitator (Rotoclone)	1988	PM <sub>10</sub> /PM <sub>2.5</sub>
CD-WSW-C2	WSW Grinding Hydrostatic Precipitator (Rotoclone)	1988	PM <sub>10</sub> /PM <sub>2.5</sub>
CD-WSW-C3	WSW Grinding Baghouse	2013	PM <sub>10</sub> /PM <sub>2.5</sub>

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**B.21 EQUIPMENT FOR EMISSION UNIT ID 14 – Repair Areas**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
REP	OCY, OCT, OCX, OCR, OPK, RMB2, OPF Repair Areas	1981, 1982, 1987, 1988, 1989, 2012	None	None

**B.22 EQUIPMENT FOR EMISSION UNIT ID 15 – Boilers #1-5**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
BR1	42,000 lbs/hr Steam (50 million BTU/hr) Boiler, Model D-68; burns natural gas and Nos. 2-6 fuel oils with a maximum sulfur content of 0.5%	1980-1981	None	124-1
BR2	42,000 lbs/hr Steam (50 million BTU/hr) Boiler, Model D-68; burns natural gas and Nos. 2-6 fuel oils with a maximum sulfur content of 0.5%	1980-1981	None	124-1
BR3	60,000 lbs/hr Steam (72 million BTU/hr) Boiler, Model NS-E-55; burns natural gas and No. 2 fuel oil with a maximum sulfur content of 0.5%	1996-1997	None	124-44
BR4	60,000 lbs/hr Steam (72 million BTU/hr) Boiler, Model NS-E-55; burns natural gas and No. 2 fuel oil with a maximum sulfur content of 0.5%	1996-1997	None	124-44
BR5	80,000 lbs/hr Steam (95.2 million BTU/hr) Boiler, Model 201-3522; burns natural gas and #2 fuel oil with a maximum sulfur content of 0.05%	2009	None	124-45

**B.23 EQUIPMENT FOR EMISSION UNIT ID 16 – MB2 Tire Builders**

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
MB2-1	MB2 Tire Builder 1	10/22/2012	None	MB2 2-27
MB2-2	MB2 Tire Builder 2	3/4/2013	None	MB2 2-27
MB2-3	MB2 Tire Builder 3	5/10/2013	None	MB2 2-27
MB2-4	MB2 Tire Builder 4	8/19/2013	None	MB2 2-27

**B.24 EQUIPMENT FOR EMISSION UNIT ID 17 - RESERVED**

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**B.25 CONTROL DEVICE(S) FOR EMISSION UNIT ID 17 - RESERVED**

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**B.26 EQUIPMENT FOR EMISSION UNIT ID 18 - RESERVED**

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**B.27 CONTROL DEVICE(S) FOR EMISSION UNIT ID 18 - RESERVED**

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**B.28 EQUIPMENT FOR EMISSION UNIT ID 19 - RESERVED**

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**B.29 CONTROL DEVICE(S) FOR EMISSION UNIT ID 19 - RESERVED**

**B.30 EQUIPMENT FOR EMISSION UNIT ID 20 - RESERVED**

**B.31 CONTROL DEVICE(S) FOR EMISSION UNIT ID 20 - RESERVED**

**B.32 EQUIPMENT FOR EMISSION UNIT 21 - Rubber Preparation**

Equipment ID	Equipment Description	Installation Date/ Modification Date	Control Device ID	Emission Point ID
NCCUT1 EXP06NCCUT2 C345NCCUT3	NC Cutter 1 2006 Expansion Project NC Cutter 2 C345 Project NC Cutter 3	1998 2006 2009	None	C101, C103-109
567CUT	567 Cutter	1998	None	C101, C103-109
540CUT	540 Cutter	1998	None	C101, C103-109
1565CUT1 1565CUT2	1565 Cutter 1 1565 Cutter 2	1998 2001-2003	None	C101, C103-109
SLIT	Slitter	1998	None	C101, C103-109
TPFR1 TPFR2 C345TPFR3 C345TPFR4	TPFR 1 TPFR 2 C345TPFR 3 C345TPFR 4	1998 2009 2013	None	C101, C103-109
WRAP	Wrappers	1998	None	C101, C103-109
650EXT1 C345650EXT2 C345650EXT3	650 NAR Extruder 1 650 NAR Extruder 2 650 NAR Extruder 3	1998 2009 2014	None	C101, C103-109
EXT530	530 Extruder	1998	None	C101, C103-109
CAL1 C345CAL2 C345CAL3	EB Calender 1 C345 Project Calender 2 C345 Project Calender 3	1998 2010 2013	None	C101, C103-109
CHUTE	Central Chute Post	1998	None	C101, C103-109
ENV	Envelope Repair & Rewinding Areas	1998 2009	None	C101, C103-109
MAG	MAG Extruder	2001-2003	None	C101, C103-109
EXP06NSCUT1 C345NSCUT2 C345NSCUT3	2006 Expansion Project NS Cutter C345 NS Cutters 2C345 Cutter 3	2006(1) 2009(1) 2013(1)	None	C101, C103-109

**B.33 EQUIPMENT FOR EMISSION UNIT 22 - Tire Building**

Equipment ID	Equipment Description	Installation Date/ Modification Date	Control Device ID	Emission Point ID
PAPP	PAPP Tire Builders (1 <sup>st</sup> Stage)	1998/ 2001-2003	None	C201-226 C401-408 C601-C626 C701-C715

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**B.33 EQUIPMENT FOR EMISSION UNIT 22 - Tire Building**

Equipment ID	Equipment Description	Installation Date/ Modification Date	Control Device ID	Emission Point ID
BNS	BNS Tire Builders (2 <sup>nd</sup> stage)	1998/ 2001-2003	None	C201-226 C401-408 C601-C626 C701-C715
EXP06PAPP	2006 Expansion Project PAPP Tire Builders (1 <sup>st</sup> Stage)	2006	None	C201-226 C401-408 C601-C626 C701-C715
EXP06BNS	2006 Expansion Project BNS Tire Builders (2 <sup>nd</sup> stage)	2006	None	C201-226 C401-408 C601-C626 C701-C715
EXP07PAPP	Cypress Project PAPP Tire Builder (1 <sup>st</sup> Stage)	2008	None	C201-226 C401-408 C601-C626 C701-C715
EXP07BNS	Cypress Project BNS Tire Builder (2 <sup>nd</sup> stage)	2008	None	C201-226 C401-408 C601-C626 C701-C715
C345PAPP	C345 Project PAPP Tire Builders (1 <sup>st</sup> Stage)	2009 2011 2013	None	C201-226 C401-408 C601-C626 C701-C715
C345BNS	C34 Project BNS Tire Builders (2 <sup>nd</sup> stage)	2009 2011 2013	None	C201-226 C401-408 C601-C626 C701-C715

**B.34 EQUIPMENT FOR EMISSION UNIT 23 - Tire Curing**

Equipment ID	Equipment Description	Installation Date/ Modification Date	Control Device ID	Emission Point ID
CURE	Curing Presses	1998, 2001-2003, 2004-2005	None	C201-C226
EXP06CURE	2006 Expansion Project Curing Presses	2006	None	C401-408
EXP07CURE	Cypress Project Curing Presses	2008 2009	None	C601-C626
C345CURE	C345 Project Curing Presses	2009 2010 2011 2012 2013	None	C701-C715

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**B.35 EQUIPMENT FOR EMISSION UNIT 24 - Repair**

Equipment ID	Equipment Description	Installation Date/ Modification Date	Control Device ID	Emission Point ID
DECM	Decomplexing	1998	None	C301
AUTO1	Autoclave 1	1998	None	C301
AUTO2	Autoclave 2	2013	None	C308
REP1 REP2 REP3 REP4 C345REP5 C345REP6 C345REP7	Tire Repair Posts 1-4 C345 Project Tire Repair Posts 5-7	1998 2013	None	C223-C226
ASPECT1 ASPECT2 ASPECT3 C345ASPECT4 C345ASPECT5	Aspect Posts 1-3 C345 Project Aspect Posts 4-5	1998 2013	None	C223-C226

**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**  
(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
C.1	<p><b>Emission Unit ID:</b> All</p> <p><b>Equipment/Control Device ID:</b> All</p> <p>Equipment capacities provided under the Equipment Description column of the Equipment Tables above are not intended to be permit limits unless otherwise specified within the Table of Conditions for the particular equipment. However, this condition does not exempt the facility from the construction permitting process, from PSD review, nor from any other applicable requirements that must be addressed prior to increasing production rates.</p>
C.2	<p><b>Emission Unit ID:</b> All</p> <p><b>Equipment/Control Device ID:</b> All</p> <p>(S.C. Regulation 61-62.1, Section II.J.1.g) A copy of the Department issued construction and/or operating permit must be kept readily available at the facility at all times. The owner or operator shall maintain such operational records; make reports; install, use, and maintain monitoring equipment or methods; sample and analyze emissions or discharges in accordance with prescribed methods at locations, intervals, and procedures as the Department shall prescribe; and provide such other information as the Department reasonably may require. All records required to demonstrate compliance with the limits established under this permit shall be maintained on site for a period of at least 5 years from the date the record was generated and shall be made available to a Department representative upon request.</p>
C.3	<p><b>Emission Unit ID:</b> 03, 04, 05, 06, 07, 09, 16</p> <p><b>Equipment/Control Device ID:</b> CD-BR1, CD-BR2, CD-BR3, CD-BR4 CD-BR5</p> <p>For any source test required under an applicable standard or permit condition, the owner/operator shall comply with S.C. Regulation 61-62.1, Section IV - Source Tests.</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	Site-specific test plans and amendments, notifications, and source test reports shall be submitted to the Manager of the Source Evaluation Section, Bureau of Air Quality.
C.4	<p><b>Emission Unit ID:</b> 03, 04, 05, 06, 07, 09, 16</p> <p><b>Equipment/Control Device ID:</b> CD-BR1, CD-BR2, CD-BR3, CD-BR4 CD-BR5</p> <p>For any source test required under an applicable standard or permit condition, the owner, operator, or representative shall comply with S.C. Regulation 61-62.1, Section IV - Source Tests.</p> <p>Unless approved otherwise by the Department, the owner, operator, or representative shall ensure that source tests are conducted while the source is operating at the maximum expected production rate or other production rate or operating parameter which would result in the highest emissions for the pollutants being tested. Some sources may have to spike fuels or raw materials to avoid being subjected to a more restrictive feed or process rate. Any source test performed at a production rate less than the rated capacity may result in permit limits on emission rates, including limits on production if necessary.</p> <p>The owner or operator shall comply with any limits that result from conducting a source test at less than rated capacity. A copy of the most recent Department issued source test summary letter, whether it imposes a limit or not, shall be maintained with the operating permit, for each source that is required to conduct a source test.</p> <p>Site-specific test plans and amendments, notifications, and source test reports shall be submitted to the Manager of the Source Evaluation Section, Bureau of Air Quality.</p>
C.5	<p><b>Emission Unit ID:</b> 03, 04, 05, 06, 09, 10, 12, 13</p> <p><b>Unit ID 03 Equipment:</b> BD11, BD12, BD13, BD12MULTX  <b>Unit ID 04 Equipment:</b> BD14, BD15  <b>Unit ID 05 Equipment:</b> MAC1, MAF1, MAC2, MAF2, BD6, BD9, BD10  <b>Unit ID 06 Equipment:</b> PAPPBNS22, PAPPBNS23  <b>Unit ID 09 Equipment:</b> PAXTB1, PAXTB2, PAXTB3  <b>Control Device for Unit IDs 03, 04, 05, 06, 09:</b> CD-BR1, CD-BR2, CD-BR3, CD-BR4 CD-BR5</p> <p><b>Unit ID 10 Equipment:</b> GTS-1, GTS-2, GTS-3, GTS-4, GTS-5, GTS-6, GTS-7, GTS-8, GTS-9  <b>Control Devices:</b> CD-GTS-1, CD-GTS-2, CD-GTS-3, CD-GTS-4, CD-GTS-5, CD-GTS-6, CD-GTS-7, CD-GTS-8, CD-GTS-9</p> <p><b>Unit ID 12 Equipment:</b> RIS-1, RIS-2, RIS-3, RIS-4, RIS-5 (PAX), RIS-6, RIS-7, RIS-8, RIS-9  <b>Control Devices:</b> CD-RIS-C1/2, CD-RIS-C3/4, CD-RIS-C5, CD-RIS-C6/7/8/9</p> <p><b>Unit ID 13 Equipment:</b> WSW-1, WSW-2, WSW-3, WSW-4, WSW-5, WSW-6, WSW-7, WSW-8, WSW-9, WSW-10, WSW-11, WSW-12, WSW-13, WSW-14  <b>Control Devices:</b> CD-WSW-C1, CD-WSW-C2, CD-WSW-C3</p> <p>The owner/operator shall inspect, calibrate, adjust, and maintain continuous monitoring systems, monitoring devices, and gauges in accordance with manufacturer's specifications or good engineering practices. The owner or operator shall maintain on file all measurements including continuous monitoring system or monitoring device performance measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information</p>



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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	required in a permanent form suitable for inspection by Department personnel.
C.6	<p><b>Emission Unit ID:</b> 03, 04, 05, 06, 09, 10, 12, 13</p> <p><b>Unit ID 03 Equipment:</b> BD11, BD12, BD13, BD12MULTX  <b>Unit ID 04 Equipment:</b> BD14, BD15  <b>Unit ID 05 Equipment:</b> MAC1, MAF1, MAC2, MAF2, BD6, BD9, BD10  <b>Unit ID 06 Equipment:</b> PAPPBNS22, PAPPBNS23  <b>Unit ID 09 Equipment:</b> PAXTB1, PAXTB2, PAXTB3  <b>Control Device for Unit IDs 03, 04, 05, 06, 09:</b> CD-BR1, CD-BR2, CD-BR3, CD-BR4 CD-BR5</p> <p><b>Unit ID 10 Equipment:</b> GTS-1, GTS-2, GTS-3, GTS-4, GTS-5, GTS-6, GTS-7, GTS-8, GTS-9  <b>Control Devices:</b> CD-GTS-1, CD-GTS-2, CD-GTS-3, CD-GTS-4, CD-GTS-5, CD-GTS-6, CD-GTS-7, CD-GTS-8, CD-GTS-9</p> <p><b>Unit ID 12 Equipment:</b> RIS-1, RIS-2, RIS-3, RIS-4, RIS-5 (PAX), RIS-6, RIS-7, RIS-8, RIS-9  <b>Control Devices:</b> CD-RIS-C1/2, CD-RIS-C3/4, CD-RIS-C5, CD-RIS-C6/7/8/9</p> <p><b>Unit ID 13 Equipment:</b> WSW-1, WSW-2, WSW-3, WSW-4, WSW-5, WSW-6, WSW-7, WSW-8, WSW-9, WSW-10, WSW-11, WSW-12, WSW-13, WSW-14  <b>Control Devices:</b> CD-WSW-C1, CD-WSW-C2, CD-WSW-C3</p> <p>All gauges shall be readily accessible and easily read by operating personnel and Department personnel (i.e. on ground level or easily accessible roof level). Monitoring parameter readings and inspection checks shall be maintained in logs (written or electronic), along with any corrective action taken when deviations occur. Each incidence of operation outside the operational ranges, including date and time, cause, and corrective action taken, shall be recorded and kept on site. Exceedance of operational range shall not be considered a violation of an emission limit of this permit, unless the exceedance is also accompanied by other information demonstrating that a violation of an emission limit has taken place. Reports of these incidences shall be submitted semiannually. If no incidences occurred during the reporting period then a letter shall indicate such.</p> <p>Any alternative method for monitoring control device performance must be preapproved by the Bureau and shall be incorporated into the permit as set forth in SC Regulation 61-62.70.7.</p>
C.7	<p><b>Emission Unit ID:</b> 15</p> <p><b>Equipment/Control Device ID:</b> BR1, BR2, BR3, BR4, BR5</p> <p>(S.C. Regulation 61-62.5, Standard No. 5.2, Section IV) For sources where an existing burner assembly is replaced, the burner assembly shall be replaced with a low NO<sub>x</sub> burner assembly or equivalent technology capable of achieving a 30 percent reduction from uncontrolled NO<sub>x</sub> emission levels based upon manufacturer’s specifications. An exemption from this requirement shall be granted when a single burner assembly is being replaced in a source with multiple burners due to non-routine maintenance.</p> <p>(S.C. Regulation 61-62.5, Standard No. 5.2, Sections IV and V) The owner or operator shall notify and register the burner assembly replacement with the Department, in writing, within 7 days of replacing the existing burner assembly. Notification will be provided on the Department’s <i>Notification For Low NO<sub>x</sub> Burner Replacement for South Carolina Oxides of Nitrogen (NO<sub>x</sub>) Control Guidelines</i> Form D-2935. Those sources that wish to receive an emission reduction credit for the control device will be required to submit a construction permit application. Those sources requesting an</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	alternative control methodology must receive written approval prior to burner replacement.
C.8	<p><b>Emission Unit ID:</b> 01, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 16, 21, 22, 23, 24</p> <p><b>Equipment ID:</b> All equipment</p> <p>(S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began after December 31, 1985, emissions from these sources (including fugitive emissions) shall not exhibit an opacity greater than 20%, each.</p>
C.9	<p><b>Emission Unit ID:</b> 03, 04</p> <p><b>Equipment/Control Device ID:</b> BD11, BD12, BD13, BD12MULTX, BD14, BD15, BR1, BR2, BR3, BR4, BR5</p> <p>These lines are subject to New Source Performance Standards (NSPS), 40 CFR 60 Subparts A and BBB, Standards of Performance for the Rubber Tire Manufacturing Industry, as applicable.</p> <p>In accordance with 40CFR60.542 “Standards for Volatile Organic Compounds” (a) - Each owner or operator shall comply with the following when running tires that have a bead diameter less than or equal to 0.5 meter (19.7 inches) and a cross section dimension less than or equal to 0.325 meter (12.8 inches):</p> <p>For each undertread cementing operation using a control device, discharge into the atmosphere no more than 25 percent of the VOC used (75 percent average emission reduction) for each month.</p> <p>40CFR60.543(g) For each undertread cementing operation that uses a VOC emission reduction system with a control device that destroys VOC, the owner or operator shall use the following procedure to determine compliance with the percent emission reduction requirement. The performance test shall be repeated when directed by the Bureau or when the owner or operator elects to operate the capture system or control device at conditions different from the most recent determination of overall reduction efficiency. The performance test shall be conducted in accordance with the procedures described under 40CFR60.543(f)(2) (i) through (iv). No monthly performance tests are required.</p> <p>40CFR60.546(c)(4) Each owner or operator, shall report the results of the performance tests required under 40CFR60.543(b)(2). The following data shall be included in the report for each of the performance tests: The emission control device efficiency, the capture system efficiency, the face velocity through each permanent opening in the capture system with the temporary openings closed, and the overall system emission reduction.</p> <p>40CFR60.546(e)(1) Each owner or operator shall include the following data measured by the temperature monitoring device, in the report for each performance test specified under 40CFR60.546(c): the average combustion temperature measured at least every 15 minutes and averaged over the performance test period of incinerator destruction efficiency for each thermal incinerator.</p> <p>40CFR60.544(a)(1) Each owner or operator shall calibrate, maintain, and operate according to manufacturer’s specifications, a temperature monitoring device equipped with a continuous recorder for the temperature of the gas stream in the combustion zone of the incinerator. The temperature monitoring device shall have an accuracy of 1 percent of the temperature being measured in °C or ± 0.5 °C, whichever is greater.</p> <p>40CFR60.545(a) Each owner or operator shall maintain continuous records of the temperature of the gas stream in the combustion zone of the incinerator and records of all 3-hour periods of operation for which the average temperature of the gas stream in the combustion zone was more than 28°C (50°F) below the combustion zone temperature measured during</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>the most recent determination of the destruction efficiency of the thermal incinerator (Boilers B1, B2, B3) that demonstrated compliance.</p> <p>40CFR60.546(f)(4) Once every 6 months each owner or operator shall report each 3-hour period of operation for which the average temperature of the gas stream in the combustion zone of a thermal incinerator, as measured by the temperature monitoring device, is more than 28°C (50°F) below the combustion zone temperature measured during the most recent determination of the destruction efficiency of the thermal incinerator that demonstrated that the affected facility was in compliance. If no exceedances occurred during the reporting period then a report shall be sent indicating that no exceedances occurred.</p>
C.10	<p><b>Emission Unit ID:</b> 03</p> <p><b>Equipment/Control Device ID:</b> BD11, BD12, BD13, BD12MULTX, BR1, BR2, BR3, BR4, BR5</p> <p>BD11, BD12, and BD13 undertread cementing operations are subject to SC Regulation 61-62.5, Standard No. 7, Prevention of Significant Deterioration. In order to comply with BACT for BD11, BD12, BD13 processes, the processes shall provide an average capture efficiency of 75% or greater and an average 95% or greater destruction efficiency through the boilers.</p> <p>In order to comply with BACT for BD12MULTX the facility shall maintain total VOC emissions from BD12MULTX to less than or equal to the levels specified below, depending upon the duration of the compliance period:</p> <p style="padding-left: 40px;">2,541 lbs of VOC per 28 days,  2,631 lbs of VOC per 29 days,  2,722 lbs of VOC per 30 days, or  2,813 lbs of VOC per 31 days.</p> <p>The emissions shall be calculated as follows:</p> <p>Uncontrolled VOC Use (lbs) x (1- Capture Efficiency (%) x Destruction Efficiency (%)) = VOC Emissions (lbs)</p> <p>Compliance with BD12MULTX BACT limits shall be shown on a monthly basis. The owner/operator shall follow the procedures listed in 40CFR60.543(c) to determine the uncontrolled monthly VOC use. Using the uncontrolled VOC use, most recent capture and destruction efficiency determined in a Bureau approved source test and any other necessary information, the owner/operator shall determine on a monthly basis the pounds of VOC emitted by using the following equation:</p> <p>Uncontrolled VOC Use (lbs) x (1- Capture Efficiency (%) x Destruction Efficiency (%)) = VOC Emissions (lbs)</p> <p>The owner/operator shall maintain onsite all records required to support VOC emissions determinations. Summary VOC emissions reports shall be submitted semiannually.</p> <p>The owner/operator shall conduct destruction efficiency testing on the boilers per the approved testing schedule provided that there are no physical changes made to the boilers and that no new process emissions are added to the boilers which are not referenced in the current operating permit (per the existing schedule), and the owner/operator shall conduct capture efficiency testing on an annual basis provided that there are no physical changes made to the capture systems and that no new process emissions are added to the capture system which are not referenced in the current operating permit (per the</p>

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(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>existing schedule) to demonstrate capture efficiencies. If the process changes in such a way that the control efficiencies would change, then retesting would be required for the control efficiencies within 90 days after the change. This source testing schedule is being allowed since BR1 and BR2 are identical in size/make and BR3 and BR4 are identical in size/make. The size/make of BR5 is not identical to BR1, BR2, BR3, or BR4. All boilers have the capacity to be used for VOC destruction.</p> <p>As an alternative to annual capture testing, the facility may perform capture testing once every five years, if the owner/operator operates and maintains anemometers or some comparable device to monitor the capture system operations for any system capturing VOC. Air flow readings shall be recorded every fifteen (15) minutes during source operation. The anemometers (or other method) data logger shall be readily accessible to operating personnel and Department inspectors. Exceedance of operational range shall not be considered a violation of the capture limit, unless the exceedance is also accompanied by other information demonstrating that a violation of an emission limit has taken place. However, an exceedance of the operational ranges will trigger the implementation of the facility's maintenance corrective action plan for the VOC capture system. The owner or operator shall maintain records of monitoring data, monitor performance data, corrective action, and quality improvement plans. A semiannual report for monitoring shall include the following information as applicable:</p> <p>Summary information of the number, duration and cause (including unknown cause, if applicable) of excursions, as applicable, and the corrective actions taken;</p> <p>Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero span or other daily calibration checks, if applicable).</p> <p>The facility is required to follow the best management practices (BMP) for the proper use, storage and safe handling of the heptane or heptane-like solvent used in the dissolution. This BMP shall be maintained at the facility and made available to Department personnel upon request. These practices shall include the information on employee training, requirements on the storage, use and handling of the material and any other practices as applicable. This plan shall be updated to reflect changes.</p>
C.11	<p><b>Emission Unit ID:</b> 03, 04</p> <p><b>Equipment/Control Device ID:</b> BD11, BD12, BD13, BD12MULTX, BD14, BD15, BR1, BR2, BR3, BR4, BR5</p> <p>(SC Regulation 61-62.5, Standard No. 7, Prevention of Significant Deterioration) In order to comply with BACT for BD11, BD12, BD13 processes, the processes shall provide an average capture efficiency of 75% or greater and an average 95% or greater destruction efficiency through the boilers.</p> <p>In order to comply with BACT for BD12MULTX the facility shall maintain total VOC emissions from BD12MULTX to less than or equal to the levels specified below, depending upon the duration of the compliance period:</p> <p style="padding-left: 40px;">2,541 lbs of VOC per 28 days,  2,631 lbs of VOC per 29 days,  2,722 lbs of VOC per 30 days, or  2,813 lbs of VOC per 31 days.</p> <p>In order to comply with BACT for BD14, the facility shall maintain total VOC emissions from BD14 to less than or equal to the levels specified below, depending upon the duration of the compliance period:</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition												
	<p style="text-align: center;">9,436 lbs of VOC per 28 days,            9,773 lbs of VOC per 29 days,            10,110 lbs of VOC per 30 days, or            10,447 lbs of VOC per 31 days.</p> <p>In order to comply with BACT for BD15, the facility shall maintain total VOC emissions from BD15 to less than or equal to the levels specified below, depending upon the duration of the compliance period:</p> <p style="text-align: center;">9,426 lbs of VOC per 28 days,            9,763 lbs of VOC per 29 days,            10,999 lbs of VOC per 30 days, or            10,436 lbs of VOC per 31 days.</p> <p>BD11, BD12, BD13, BD12MULTX, BD14, and BD15 are considered large pollutant PSEUs and are subject to 40 CFR 64, Compliance Assurance Monitoring. They shall comply with all applicable provisions.</p> <p>To meet the requirements of 40 CFR 64, the owner/operator shall continue to operate and maintain the indicators shown below as the measurement approach:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Unit IDs 03, 04</th> <th style="text-align: center;">Control Device</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><b>PSEU: BD11, BD12, BD13, BD12MULTX, BD14, BD15</b></td> <td style="text-align: center;"><b>BR1, BR2, BR3, BR4, BR5</b></td> </tr> <tr> <td style="text-align: center;">Indicator §64.4 (a)(1)</td> <td style="text-align: center;">Combustion zone temperature</td> </tr> <tr> <td style="text-align: center;">Measurement Approach</td> <td style="text-align: center;">Operate and maintain thermocouples mounted in the rear wall of the fireboxes</td> </tr> <tr> <td style="text-align: center;">Indicator Range §64.4 (a)(2)</td> <td style="text-align: center;">greater than or equal to 813 °F over a 3 hour averaging period</td> </tr> <tr> <td style="text-align: center;">Data Representativeness §64.3 (b)(1)</td> <td> <p>The temperature monitoring device is installed in the combustion chamber. It is a Type K thermocouple, operating range of 250 °F-2250 °F. The temperature monitoring device has an accuracy of 1% of the temperature being measured in °C or ± 0.5 °C, whichever is greater. The temperature is measured and recorded continuously via computer system. The computer data is stored as a 10 second average. To see the data at the 10 second intervals, the data can only be reviewed for approximately one day at a time. For longer time periods, the ten second averages are averaged for viewing the data.</p> <p>The airflow meter is installed in the exhaust duct of each unit. Airflow is measured and recorded continuously via computer system. The airflow monitoring device accuracy is ±2%, 0.2% of full scale repeatability</p> </td> </tr> </tbody> </table>	Unit IDs 03, 04	Control Device	<b>PSEU: BD11, BD12, BD13, BD12MULTX, BD14, BD15</b>	<b>BR1, BR2, BR3, BR4, BR5</b>	Indicator §64.4 (a)(1)	Combustion zone temperature	Measurement Approach	Operate and maintain thermocouples mounted in the rear wall of the fireboxes	Indicator Range §64.4 (a)(2)	greater than or equal to 813 °F over a 3 hour averaging period	Data Representativeness §64.3 (b)(1)	<p>The temperature monitoring device is installed in the combustion chamber. It is a Type K thermocouple, operating range of 250 °F-2250 °F. The temperature monitoring device has an accuracy of 1% of the temperature being measured in °C or ± 0.5 °C, whichever is greater. The temperature is measured and recorded continuously via computer system. The computer data is stored as a 10 second average. To see the data at the 10 second intervals, the data can only be reviewed for approximately one day at a time. For longer time periods, the ten second averages are averaged for viewing the data.</p> <p>The airflow meter is installed in the exhaust duct of each unit. Airflow is measured and recorded continuously via computer system. The airflow monitoring device accuracy is ±2%, 0.2% of full scale repeatability</p>
Unit IDs 03, 04	Control Device												
<b>PSEU: BD11, BD12, BD13, BD12MULTX, BD14, BD15</b>	<b>BR1, BR2, BR3, BR4, BR5</b>												
Indicator §64.4 (a)(1)	Combustion zone temperature												
Measurement Approach	Operate and maintain thermocouples mounted in the rear wall of the fireboxes												
Indicator Range §64.4 (a)(2)	greater than or equal to 813 °F over a 3 hour averaging period												
Data Representativeness §64.3 (b)(1)	<p>The temperature monitoring device is installed in the combustion chamber. It is a Type K thermocouple, operating range of 250 °F-2250 °F. The temperature monitoring device has an accuracy of 1% of the temperature being measured in °C or ± 0.5 °C, whichever is greater. The temperature is measured and recorded continuously via computer system. The computer data is stored as a 10 second average. To see the data at the 10 second intervals, the data can only be reviewed for approximately one day at a time. For longer time periods, the ten second averages are averaged for viewing the data.</p> <p>The airflow meter is installed in the exhaust duct of each unit. Airflow is measured and recorded continuously via computer system. The airflow monitoring device accuracy is ±2%, 0.2% of full scale repeatability</p>												

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition	
	Verification of Operational Status §64.3 (b)(2)	There is an alarm for each boiler to monitor low temperature status and for broken wire detection/transmission failure. The alarms are audible in the boiler house which is continuously manned. The alarm must be manually acknowledged. The system shall be calibrated annually. Calibration data shall be kept on site
	QA/QC Practices and Criteria §64.3 (b)(3)	monitoring the temperature and the probe transmissions continuously.
	Monitoring Frequency §64.3 (b)(4)	continuously
	Data Collection Procedures §64.3 (b)(4)	Calibration data (of the boiler alarm system) shall be kept on site
	Data Averaging Period §64.3 (b)(4)	3 hour averaging period
<p>To meet the requirements of 40 CFR 64, the indicator for VOC will be the combustion zone temperature of BR1, BR2, BR3, BR4, BR5. The owner/operator shall continue to operate, and maintain thermocouples mounted in the rear wall of the fireboxes as the measurement approach. The combustion zone temperature shall be used to provide assurance of compliance with all applicable requirements outlined above.</p> <p>The operational ranges for the combustion zone temperature shall be greater than or equal to 813 °F over a 3 hour averaging period. These operational ranges for the monitored parameters were derived from data, which demonstrate a reasonable assurance of compliance. Temperature readings shall be recorded every fifteen (15) minutes.</p> <p>QA/QC practices, etc. shall consist of monitoring the temperature and the probe transmissions continuously. There is an alarm for each boiler to monitor low temperature status and for broken wire detection/transmission failure. The alarms are audible in the boiler house which is continuously manned. The alarm must be manually acknowledged. The system shall be calibrated annually. Calibration data shall be kept on site.</p> <p>An excursion is defined as any operating condition where the temperature is any 3-hour average reading below 813 °F. Upon detecting an excursion, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing any startup, shutdown or malfunction period and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion (other than those caused by excused startup and shutdown conditions).</p> <p>A semiannual report for monitoring shall include, at a minimum, the information required under § 70.6(a)(3)(iii) and the following information as applicable:</p> <p>Summary information of the number, duration and cause (including unknown cause, if applicable) of excursions, as applicable, and the corrective actions taken;</p> <p>Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero span or other daily calibration checks, if applicable);</p>		

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(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>If applicable, a description of the actions taken to implement a Quality Improvement Plan (QIP) during the reporting period as specified in §64.8. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions occurring.</p> <p>The owner or operator shall maintain records of monitoring data, monitor performance data, corrective action, and quality improvement plans.</p>
C.12	<p><b>Emission Unit ID:</b> 06, 07, 09, 16 (Michelin A Only)</p> <p><b>Equipment ID:</b> PAPP BNS 1-21, MATCH 1, MATCH2, MATCH4, FAST1, FAST2, FAST3, FAST4, FAST5, FAST6, PAPP BNS 22-23, PAXTB1, PAXTB2, PAXTB3, MB2-1, MB2-2, MB2-3</p> <p>These lines are subject to New Source Performance Standards (NSPS), 40 CFR 60 subparts A and BBB, Standards of Performance for the Rubber Tire Manufacturing Industry, as applicable.</p> <p>In accordance with 40CFR60.542 “Standards for Volatile Organic Compounds” (a) - Each owner or operator shall comply with the following conditions when running tires that have a bead diameter less than or equal to 0.5 meter (19.7 inches) and a cross section dimension less than or equal to 0.325 meter (12.8 inches):</p> <p>For each Michelin-A operation, maintain total (uncontrolled) VOC use less than or equal to the levels specified below, depending upon the duration of the compliance period:</p> <ul style="list-style-type: none"> <li>1,570 kg (3,461 lb) of VOC per 28 days,</li> <li>1,630 kg (3,593 lb) of VOC per 29 days,</li> <li>1,690 kg (3,726 lb) of VOC per 30 days,</li> <li>1,740 kg (3,836 lb) of VOC per 31 days, or</li> <li>1,970 kg (4,343 lb) of VOC per 35 days.</li> </ul> <p>For each Michelin-B operation, maintain total (uncontrolled) VOC use less than or equal to the levels specified below, depending upon the duration of the compliance period:</p> <ul style="list-style-type: none"> <li>1,310 kg (2,888 lb) of VOC per 28 days,</li> <li>1,360 kg (2,998 lb) of VOC per 29 days,</li> <li>1,400 kg (3,086 lb) of VOC per 30 days,</li> <li>1,450 kg (3,197 lb) of VOC per 31 days, or</li> <li>1,640 kg (3,616 lb) of VOC per 35 days.</li> </ul> <p>For each Michelin C automatic operation, maintain total (uncontrolled) VOC use to less than or equal to the levels specified below, depending upon the duration of the compliance period:</p> <ul style="list-style-type: none"> <li>1,570 kg (3,461 lb) of VOC per 28 days,</li> <li>1,630 kg (3,593 lb) of VOC per 29 days,</li> <li>1,690 kg (3,726 lb) of VOC per 30 days,</li> <li>1,740 kg (3,836 lb) of VOC per 31 days, or</li> <li>1,970 kg (4,343 lb) of VOC per 35 days.</li> </ul> <p>40CFR60.543(c) For each Michelin-A, B, and C- automatic operation where the owner or operator seeks to comply with the uncontrolled monthly VOC use limits, the owner or operator shall use the following procedure to determine compliance with the applicable (depending upon duration of compliance period) uncontrolled monthly VOC use limits above.</p>

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(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>Determine the density and weight fraction VOC (including dilution VOC) of each cement from its formulation or by analysis of the cement using Method 24. If a dispute arises, the Administrator may require an owner or operator who used formulation data to analyze the cement using Method 24.</p> <p>Calculate the total mass of VOC used at the affected facility for the month (Mo) by following the procedure outlined in 40CFR60.543(c)(2).</p> <p>Determine the time duration of the monthly compliance period (Td).</p> <p>40CFR60.543(l) In determining compliance for each Michelin-A, B, and C- automatic operation, the owner or operator shall include all the VOC used, recovered, or destroyed from cements including those cements used for tires other than those defined under 40CFR60.541(a).</p> <p>40CFR60.545(d) Each owner or operator of a Michelin-A, B, and C- automatic operation shall maintain records of monthly VOC use and the number of days in each compliance period.</p> <p>40CFR60.546(f) Once every 6 months each owner or operator subject to the provisions of 40CFR60.545 shall report, as applicable:</p> <p style="padding-left: 40px;">Each monthly average VOC emission rate that exceeds the VOC emission limit per tire, as applicable.</p> <p style="padding-left: 40px;">Each monthly average VOC use rate that exceeds the monthly VOC usage limit, as applicable.</p> <p>If no exceedances occurred during the reporting period then a report shall be sent indicating that no exceedances occurred.</p>
C.13	<p><b>Emission Unit ID:</b> 09</p> <p><b>Equipment/Control Device ID:</b> PAXTB1, PAXTB2, PAXTB3, BR1, BR2, BR3, BR4, BR5</p> <p>PAX Tire Building Lines (PAXTB1-3) Michelin A, B, and C operations and PAX Spray Applications are subject to Standard No. 7, Prevention of Significant Deterioration. BACT for these sources is determined to be a localized capture and control for Michelin A, B, and C operations and PAX Spray Applications with a capture system and destruction in the existing boilers, compliance with NSPS Subpart BBB requirements, and best management practices for solvent use, storage, and handling. In order to comply with BACT for these processes, the facility shall maintain total VOC emissions to less than or equal to the levels specified below, depending upon the duration of the compliance period:</p> <p style="padding-left: 40px;">Michelin A and each PAX spray application  544 kg (1,199 lb) of VOC per 28 days,  565 kg (1,246 lb) of VOC per 29 days,  586 kg (1,292 lb) of VOC per 30 days,  603 kg (1,329 lb) of VOC per 31 days, or  683 kg (1,506 lb) of VOC per 35 days.</p> <p style="padding-left: 40px;">Michelin B  636 kg (1,402 lb) of VOC per 28 days,  660 kg (1,455 lb) of VOC per 29 days,  679 kg (1,497 lb) of VOC per 30 days,</p>



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Condition Number	Condition
	<p>704 kg (1,552 lb) of VOC per 31 days, or  796 kg (1,755 lb) of VOC per 35 days.</p> <p>Michelin C  606 kg (1,336 lb) of VOC per 28 days,  630 kg (1,389 lb) of VOC per 29 days,  653 kg (1,440 lb) of VOC per 30 days,  672 kg (1,481 lb) of VOC per 31 days, or  761 kg (1,678 lb) of VOC per 35 days.</p> <p>The facility is required to follow the best management practices (BMP) for the proper use, storage and safe handling of the heptane or heptane-like solvent used in the dissolution. This BMP shall be maintained at the facility and made available to Department personnel upon request. These practices shall include the information on employee training, requirements on the storage, use and handling of the material and any other practices as applicable. This plan shall be updated to reflect changes.</p> <p>Compliance with LAER limits for the Michelin A, B, and C processes and each PAX spray application shall be shown on a monthly basis. The owner/operator shall follow the procedures listed in 40CFR60.543(c) to determine the uncontrolled monthly VOC use. The owner/operator shall determine on a monthly basis the pounds of VOC emitted by using the following equation:</p> <p>Uncontrolled VOC Use (lbs) x (1- Capture Efficiency (%) x Destruction Efficiency (%)) = VOC Emissions (lbs)</p> <p>The owner/operator shall maintain onsite all records required to support VOC emissions determinations. Summary VOC emissions reports shall be submitted semiannually.</p> <p>The owner/operator shall conduct destruction efficiency testing on the boilers per the approved testing schedule provided that there are no physical changes made to the boilers and that no new process emissions are added to the boilers which are not referenced in the current operating permit (per the existing schedule), and the owner/operator shall conduct capture efficiency testing on an annual basis provided that there are no physical changes made to the capture systems and that no new process emissions are added to the capture system which are not referenced in the current operating permit (per the existing schedule) to demonstrate capture efficiencies. If the process changes in such a way that the control efficiencies would change, then retesting would be required for the control efficiencies within 90 days after the change. This source testing schedule is being allowed since BR1 and BR2 are identical in size/make and BR3 and BR4 are identical in size/make. The size/make of BR5 is not identical to BR1, BR2, BR3, or BR4. All boilers have the capacity to be used for VOC destruction.</p> <p>As an alternative to annual capture testing, the facility may perform capture testing once every five years, if the owner/operator operates and maintains anemometers or some comparable device to monitor the capture system operations for any system capturing VOC. Air flow readings shall be recorded every fifteen (15) minutes during source operation. The anemometers (or other method) data logger shall be readily accessible to operating personnel and Department inspectors. Exceedance of operational range shall not be considered a violation of the capture limit, unless the exceedance is also accompanied by other information demonstrating that a violation of an emission limit has taken place. However, an exceedance of the operational ranges will trigger the implementation of the facility's maintenance corrective action plan for the VOC capture system. The owner or operator shall maintain records of monitoring data, monitor performance data, corrective action, and quality improvement plans. A semiannual report for monitoring shall include the following information as applicable:</p>

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Condition Number	Condition
	<p>Summary information of the number, duration and cause (including unknown cause, if applicable) of excursions, as applicable, and the corrective actions taken;</p> <p>Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero span or other daily calibration checks, if applicable).</p>
C.14	<p><b>Emission Unit ID:</b> 10</p> <p><b>Equipment ID:</b> GTS-1, GTS-2, GTS-3, GTS-4, GTS-5, GTS-6, GTS-7, GTS-8, GTS-9</p> <p>These lines are subject to New Source Performance Standards (NSPS), 40 CFR 60 subparts A and BBB, Standards of Performance for the Rubber Tire Manufacturing Industry, as applicable.</p> <p>In accordance with 40CFR60.542 “Standards for Volatile Organic Compounds” (a) - Each owner or operator shall comply with the following conditions when running tires that have a bead diameter less than or equal to 0.5 meter (19.7 inches) and a cross section dimension less than or equal to 0.325 meter (12.8 inches):</p> <p>For each green tire spraying operation where only water-based sprays are used:</p> <p style="padding-left: 40px;">Discharge into the atmosphere no more than 1.2 grams (0.0026 lb) of VOC per tire sprayed with an inside green tire spray for each month; and</p> <p style="padding-left: 40px;">Discharge into the atmosphere no more than 9.3 grams (0.021 lb) of VOC per tire sprayed with an outside green tire spray for each month.</p> <p>The facility shall demonstrate compliance with these limits by using water-based sprays containing less than 1 percent, by weight, of VOC.</p> <p>The owner or operator of each green tire spraying operation using only water-based sprays (inside and/or outside) containing less than 1.0 percent, by weight, of VOC is not required to conduct a monthly performance test as described in 40CFR60.543(d). In lieu of conducting a monthly performance test, the owner or operator of each green tire spraying operation shall maintain records on site of formulation data or the results of Method 24 analysis conducted annually to verify the VOC content of the water-based sprays in use. If the spray material formulation changes before the end of the 12-month period, formulation data or Method 24 analysis results shall be reported within 30 days.</p>
C.15	<p><b>Emission Unit ID:</b> 10</p> <p><b>Equipment ID:</b> GTS-5</p> <p>PAX Green Tire Spray Post (GTS5) is subject to Standard No. 7, Prevention of Significant Deterioration. In order to comply with BACT for these processes, the facility shall use water-based sprays containing less than 1 percent, by weight, of VOC.</p> <p>The owner or operator of each green tire spraying operation using only water-based sprays (inside and/or outside) containing less than 1.0 percent, by weight, of VOC is not required to conduct a monthly performance test as described in 40CFR60.543(d). In lieu of conducting a monthly performance test, the owner or operator of each green tire spraying</p>

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Condition Number	Condition
	operation shall maintain records on site of formulation data or the results of Method 24 analysis conducted annually to verify the VOC content of the water-based sprays in use. If the spray material formulation changes before the end of the 12-month period, formulation data or Method 24 analysis results shall be reported within 30 days.
C.16	<p><b>Emission Unit ID:</b> 10</p> <p><b>Equipment ID:</b> GTS-1, GTS-2, GTS-3, GTS-4, GTS-5, GTS-6, GTS-7, GTS-8, GTS-9  <b>Control Equipment ID:</b> CD-GTS-C1, CD-GTS-C2, CD-GTS-C3, CD-GTS-C4, CD-GTS-C5, CD-GTS-C6, CD-GTS-C7, CD-GTS-C8, CD-GTS-C9</p> <p>(S.C. Regulation 61-62.5, Standard No. 4, Section VIII) Particulate matter emissions shall be limited to the rate specified by use of the following equations:</p> <p style="padding-left: 40px;">For process weight rates less than or equal to 30 tons per hour  <math>E = (F) 4.10P^{0.67}</math> and</p> <p style="padding-left: 40px;">For process weight rates greater than 30 tons per hour  <math>E = (F) 55.0P^{0.11} - 40</math></p> <p style="padding-left: 40px;">Where E = the allowable emission rate in pounds per hour  P = process weight rate in tons per hour</p> <p>The owner/operator shall operate and maintain the dust collectors at all times when the Green Tire Spraying operations are running. Dust collector operation shall be recorded daily and maintained on site. The readings shall be maintained in logs, along with any corrective action taken when deviations occur. Any alternative method for monitoring dust collectors performance must be approved by the Bureau and shall be incorporated into the permit as set forth in SC Regulation 61-62.70.7.</p>
C.17	<p><b>Emission Unit ID:</b> 10, 12, 13</p> <p><b>Equipment ID:</b> GTS-5, GTS-6, GTS-7, GTS-8, GTS-9, RIS-5, RIS-6, RIS-7, RIS-8, RIS-9, WSW-12, WSW-13, WSW-14  <b>Control Equipment ID:</b> CD-GTS-C5, CD-GTS-C6, CD-GTS-C7, CD-GTS-C8, CD-GTS-C9, CD-RIS-C5, CD-RIS-C6/7/8/9, CD-WSW-C1, CD-WSW-C2</p> <p>Green Tire Spray 5 and RIS Grinding Station 5 (PAX operations) (PM sources installed under the PAX expansion project) are subject to SC Regulation 61-62.1, Section II(E), Synthetic Minor Construction Permits in order to avoid triggering PSD. These operations are limited to &lt;21.3 tons per year particulate matter (PM) and &lt;11.9 tons per year particulate matter less than 10 microns (PM<sub>10</sub>). These are federally enforceable limits established under construction permit 1560-0042-CM.</p> <p>Green Tire Spray 6, 7, 8, 9, RIS Grinding 7, 8, 9, 10, and WSW Grinding 12, 13, 14 operations are subject to SC Regulation 61-62.1, Section II(E), Synthetic Minor Construction Permits in order to avoid triggering PSD. These operations are limited to &lt; 25 tons per year particulate matter (PM) and &lt; 15 tons per year particulate matter less than 10 microns (PM<sub>10</sub>) and &lt; 10 tons per year particulate matter less than 2.5 microns (PM<sub>2.5</sub>). These are federally enforceable limits established under construction permit 1560-0042-CX.R1.</p> <p>The owner/operator shall operate and maintain the dust collectors at all times when the Green Tire Spraying RIS and WSW operations are running. Dust collector operation shall be recorded daily and maintained on site. The readings shall be maintained in logs, along with any corrective action taken when deviations occur. Any alternative method for monitoring</p>

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Condition Number	Condition
	dust collector performance must be approved by the Bureau and shall be incorporated into the permit as set forth in SC Regulation 61-62.70.7.
C.18	<p><b>Emission Unit ID:</b> 12, 13</p> <p><b>Equipment ID:</b> All equipment</p> <p>(S.C. Regulation 61-62.5, Standard No. 4, Section VIII) Particulate matter emissions shall be limited to the rate specified by use of the following equations:</p> <p style="padding-left: 40px;">For process weight rates less than or equal to 30 tons per hour  <math>E = (F) 4.10P^{0.67}</math> and</p> <p style="padding-left: 40px;">For process weight rates greater than 30 tons per hour  <math>E = (F) 55.0P^{0.11} - 40</math></p> <p style="padding-left: 40px;">Where E = the allowable emission rate in pounds per hour  P = process weight rate in tons per hour</p> <p>The owner/operator shall operate and maintain the dust collectors at all times when the RIS and WSW Grinding Stations are running. Dust collector operation shall be recorded daily and maintained on site. The readings shall be maintained in logs, along with any corrective action taken when deviations occur. Any alternative method for monitoring dust collector performance must be approved by the Bureau and shall be incorporated into the permit as set forth in SC Regulation 61-62.70.7.</p>
C.19	<p><b>Emission Unit ID:</b> 15</p> <p><b>Equipment ID:</b> BR1, BR2, BR3, BR4, BR5</p> <p>(S.C. Regulation 61-62.5, Standard No. 1, Section II) The maximum allowable discharge of particulate matter resulting from these sources is 0.6 pounds per million BTU input.</p> <p>(S.C. Regulation 61-62.5, Standard No. 1, Section III) The maximum allowable discharge of sulfur dioxide (SO<sub>2</sub>) resulting from these sources is 2.3 pounds per million BTU input.</p> <p>BR1, BR2, BR3, and BR4 will comply with the emission limitations by burning only natural gas or No. 2, 3, 4, 5, and 6 fuel oils with a maximum sulfur content of 0.5% as fuel. BR5 will comply with the emission limitations by burning only natural gas or No. 2, 3, 4, 5, and 6 fuel oils with a maximum sulfur content of 0.05% as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Bureau of Air Quality.</p>
C.20	<p><b>Emission Unit ID:</b> 15</p> <p><b>Equipment ID:</b> BR1, BR2</p> <p>(S.C. Regulation 61-62.5, Standard No. 1, Section I) The fuel burning source(s) shall not discharge into the ambient air smoke which exceeds opacity of 20%. The opacity limit may be exceeded for sootblowing, but may not be exceeded for more than 6 minutes in a one hour period nor be exceeded for more than a total of 24 minutes in a 24 hour period. Emissions caused by sootblowing shall not exceed an opacity of 60%.</p> <p>The opacity standards set forth above do not apply during startup or shutdown. Owners and operators shall, to the extent</p>

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(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. In addition, the owner or operator shall maintain a log of the time, magnitude, duration, and any other pertinent information to determine periods of startup and shutdown and make available to the Department upon request.</p> <p>The owner/operator shall perform a visual inspection on a daily basis. Visual inspection means a qualitative observation of opacity during daylight hours where the inspector records results in a log, noting color, duration, density (heavy or light), cause and correction action taken for any abnormal emissions. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water. No periodic monitoring for opacity will be required during periods of burning natural gas only. Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports. The report shall include records of abnormal emissions, if any, and corrective actions taken. If only natural gas was combusted or if the unit did not operate during the semiannual period, the report shall state so.</p>
C.21	<p><b>Emission Unit ID:</b> 15</p> <p><b>Equipment ID:</b> BR3, BR4</p> <p>BR3 and BR4 are subject to New Source Performance Standards (NSPS), 40 CFR 60 Subparts A and Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, as applicable. BR3 and BR4 must demonstrate simultaneous compliance with requirements A and B and associated record keeping as detailed below:</p> <p>A. In accordance with SC Regulation 61-62.5, Standard No. 1, Section I (B), BR3 and BR4 shall not discharge into the ambient air smoke which exceeds opacity of 20%. During times of soot blowing the opacity may be exceeded for a total of 6 minutes in any hour or 24 minutes in any 24-hour period, but shall in no case exceed opacity of 60%. This opacity standard does not apply during startup and shutdown.</p> <p>B. In accordance with 40 CFR 60.43c(c), BR3 and BR4 shall not discharge into the atmosphere any gases that exhibit greater than 20 percent opacity (6-minute average), except for one six-minute period per hour of not more than 27% opacity. This opacity standard does not apply during startup, shutdown, and malfunction.</p> <p>The owner/operator shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. In addition the owner/operator shall maintain a log of the time, magnitude, duration and any other pertinent information to determine periods of startup and shutdown and make these records available to a Department representative upon request.</p> <p>(A) As per 40 CFR 60.47c(a), the facility shall calibrate, maintain, and operate a continuous opacity monitor for measuring the opacity of emissions discharged to the atmosphere from each BR3 and BR4 at all times while burning No. 3, 4, 5, or 6 fuel oil.</p> <p>As per 40 CFR 60.48c, the facility shall submit semiannual reports of excess opacity emissions from BR3 and BR4. If there are no excess emissions during the calendar quarter, the owner or operator shall submit a report semi-annually stating that no excess emissions occurred during the semi-annual reporting period. All reports shall be postmarked by the 30th day following the end of reporting period. Semiannual reports shall include a description of each incident of excess emissions and periods when the monitoring system was inoperative along with a summary report form.</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>(B) The facility shall conduct daily visual inspections on BR3 and BR4 when burning No. 2 fuel oil for monitoring opacity limits during periods of source operation when burning fuel oil and semiannual visual inspections during periods of source operation when burning natural gas only. A follow-up 30-minute opacity reading shall be conducted within 24 hours after taking corrective action for any periods of abnormal emissions. These visual observations shall be made during daylight hours and consist of time of observation and determination of color, duration and density of emissions (light or dark). Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports, including all deviations and appropriate corrective actions taken. If there are no deviations it shall be stated in the report.</p>
C.22	<p><b>Emission Unit ID:</b> 15</p> <p><b>Equipment:</b> BR5</p> <p>BR5 is subject to New Source Performance Standards (NSPS), 40 CFR 60 Subparts A and Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, as applicable. BR5 must demonstrate simultaneous compliance with requirements A and B and associated record keeping as detailed below:</p> <p>A. In accordance with SC Regulation 61-62.5, Standard No. 1, Section I (B), BR5 shall not discharge into the ambient air smoke which exceeds opacity of 20%. During times of soot blowing the opacity may be exceeded for a total of 6 minutes in any hour or 24 minutes in any 24-hour period, but shall in no case exceed opacity of 60%. This opacity standard does not apply during startup and shutdown.</p> <p>The owner/operator shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. In addition the owner/operator shall maintain a log of the time, magnitude, duration and any other pertinent information to determine periods of startup and shutdown and make these records available to a Department representative upon request.</p> <p>B. In accordance with 40 CFR 60.43c(c), BR5 shall not discharge into the atmosphere any gases that exhibit greater than 20 percent opacity (6-minute average), except for one six-minute period per hour of not more than 27% opacity. This opacity standard does not apply during startup, shutdown, and malfunction.</p> <p>The owner or operator subject to the opacity standard under 40CFR60.43c shall conduct an initial performance test as required under 40CFR60.8 and shall conduct subsequent performance test as requested, to determine compliance with the standards using Method 9 of appendix A of 40CFR60 (6-minute average of 24 observations).</p> <p>The facility shall conduct daily visual inspections on BR5 when burning No. 2 fuel oil for monitoring opacity limits during periods of source operation when burning fuel oil and semiannual visual inspections during periods of source operation when burning natural gas only. A follow-up 30-minute opacity reading shall be conducted within 24 hours after taking corrective action for any periods of abnormal emissions. These visual observations shall be made during daylight hours and consist of time of observation and determination of color, duration and density of emissions (light or dark). Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports, including all deviations and appropriate corrective actions taken. If there are no deviations it shall be stated in the report.</p>
C.23	<p><b>Emission Unit ID:</b> 15</p>

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(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p><b>Equipment:</b> BR3, BR4, BR5</p> <p>BR3, BR4, and BR5 are subject to New Source Performance Standards (NSPS), 40 CFR 60 subparts A and Dc, Small Industrial-Commercial-Institutional Steam Generating Units, as applicable. Compliance with the SO<sub>2</sub> emission limitations will be achieved by burning only natural gas or No. 2 fuel oil with a maximum sulfur content of 0.5% as fuel.</p> <p>Compliance with the emission limitations will be achieved by burning only natural gas or No. 2, 3, 4, 5, and 6 fuel oils with a maximum sulfur content of 0.5% as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Bureau of Air Quality.</p> <p>The use of distillate fuel with a sulfur content of ≤ 0.5% sulfur, by weight, shall be used as an alternative to the installation, operation and maintenance of a continuous emission monitor (CEM) for SO<sub>2</sub> emissions. For distillate oil, fuel supplier certification reports as described in 40 CFR 60.46 (e) shall be used to verify that the sulfur content limits are not being exceeded.</p> <p>Per 40 CFR 60 .48c(f)(1), at each shipment of fuel oil, fuel supplier certification or fuel oil sampling shall be obtained to verify that the sulfur content of the fuel oil is ≤ 0.5% sulfur, by weight, in accordance with 40 CFR 60 Subpart Dc. Fuel supplier certification shall include the following:</p> <p>For distillate oil shall include the name of the oil supplier and a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c.</p> <p>The fuel certification procedures, as provided in 40 CFR 60 Subpart Dc, shall be conducted in lieu of the source test requirements for SO<sub>2</sub> as long as the sulfur content limit of 0.5% is not exceeded for the boiler.</p> <p>The owner or operator of each affected facility subject to the SO<sub>2</sub> fuel oil sulfur limits shall submit semiannual reports. In addition to records of fuel supplier certifications, the report shall include a certified statement signed by the owner/operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.</p>
C.24	<p><b>Emission Unit ID:</b> 15</p> <p><b>Equipment ID:</b> BR3, BR4</p> <p>BR3 and BR4 are subject to SC Regulation 61-62.5, Standard No. 7, Prevention of Significant Deterioration. As required by the BACT analysis, NO<sub>x</sub> emissions from BR3 and BR4 are limited to 21.12 lbs/hr each.</p> <p>These sources shall be equipped with low NO<sub>x</sub> burners in conjunction with flue gas re-circulation to comply with BACT. Manufacturer's data or other appropriate information shall be maintained onsite to verify that the burners are low NO<sub>x</sub> burners with flue gas re-circulation.</p>
C.25	<p><b>Emission Unit ID:</b> 15</p> <p><b>Equipment ID:</b> BR1, BR2, BR3, BR4</p> <p>BR1, BR2, BR3, and BR4 are subject to SC Regulation 61-62.1, Section II(E), Synthetic Minor Construction Permits. In order to avoid triggering PSD for Sulfur Dioxide (SO<sub>2</sub>) emissions, fuel oil sulfur content shall be limited to less than or equal to 0.5% for No. 2, 3, 4, 5, and 6 fuel oil.</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition												
	BR3 and BR4 are limited to burn 1,967,861 gallons/year of No. 3, 4, 5, or 6 fuel oil. (There is no limit to the number of gallons of No. 2 fuel oil that BR3 and BR4 can burn).												
C.26	<p><b>Emission Unit ID:</b> 15</p> <p><b>Equipment ID:</b> BR3, BR4</p> <p>BR3 and BR4 are subject to SC Regulation 61-62.1, Section II(E), Synthetic Minor Construction Permits. In order to avoid triggering PSD for Particulate matter (PM<sub>10</sub>) emissions, PM<sub>10</sub> emissions for BR3 and BR4 shall not exceed 14.8 tons per year.</p> <p>The owner/operator shall limit fuel oil usage to less than or equal to 1,967,861 gallons per year of No. 3, 4, 5, and 6 fuel oil (There is no limit on No. 2 fuel oil).</p> <p>The facility must record monthly fuel oil consumption and calculate yearly fuel oil consumption on a twelve month rolling sum. Semiannual reports shall be submitted showing the 12-month rolling sum of fuel oil consumption.</p>												
C.27	<p><b>Emission Unit ID:</b> 15</p> <p><b>Equipment ID:</b> BR5</p> <p>BR5 is subject to SC Regulation 61-62.1, Section II(E), Synthetic Minor Construction Permits. In order to avoid triggering PSD for Sulfur Dioxide (SO<sub>2</sub>) emissions, BR5 fuel oil sulfur content to shall be limited to less than or equal to 0.05% for No. 2 fuel oil. This is a federally enforceable limit established under construction permit 1560-0042-CU.R1.</p> <p>Fuel oil supplier certification shall be obtained for each batch of oil received and stored on site. Reports of the recorded sulfur content shall be submitted semiannually.</p>												
C.28	<p><b>Emission Unit ID:</b> 15</p> <p><b>Equipment ID:</b> BR1, BR2, BR3, BR4, BR5</p> <p>In accordance with SC Regulation 61-62.5, Standard No. 3 - Waste Combustion And Reduction, Industrial Boilers are subject to the following emission limitations:</p> <table style="margin-left: 40px;"> <tr> <td>Nickel</td> <td>6.0x10<sup>-3</sup> lb/ 10<sup>6</sup> BTU total heat input;</td> </tr> <tr> <td>Cadmium</td> <td>1.0x10<sup>-4</sup> lb/ 10<sup>6</sup> BTU total heat input;</td> </tr> <tr> <td>Chromium</td> <td>7.4x10<sup>-4</sup> lb/ 10<sup>6</sup> BTU total heat input;</td> </tr> <tr> <td>Arsenic</td> <td>1.7x10<sup>-3</sup> lb/ 10<sup>6</sup> BTU total heat input;</td> </tr> <tr> <td>Lead</td> <td>5.0x10<sup>-3</sup> lb/ 10<sup>6</sup> BTU total heat input;</td> </tr> <tr> <td>Hydrochloric Acid</td> <td>0.45 lb/ 10<sup>6</sup> BTU total heat input.</td> </tr> </table> <p>Due to the nature of the material being combusted all source testing required under Standard No. 3 is waived.</p> <p>This is a State-only condition.</p> <p>In accordance with SC Regulation 61-62.5, Standard No. 3, Section V(G) - Waste Analysis, waste analysis is exempted</p>	Nickel	6.0x10 <sup>-3</sup> lb/ 10 <sup>6</sup> BTU total heat input;	Cadmium	1.0x10 <sup>-4</sup> lb/ 10 <sup>6</sup> BTU total heat input;	Chromium	7.4x10 <sup>-4</sup> lb/ 10 <sup>6</sup> BTU total heat input;	Arsenic	1.7x10 <sup>-3</sup> lb/ 10 <sup>6</sup> BTU total heat input;	Lead	5.0x10 <sup>-3</sup> lb/ 10 <sup>6</sup> BTU total heat input;	Hydrochloric Acid	0.45 lb/ 10 <sup>6</sup> BTU total heat input.
Nickel	6.0x10 <sup>-3</sup> lb/ 10 <sup>6</sup> BTU total heat input;												
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Arsenic	1.7x10 <sup>-3</sup> lb/ 10 <sup>6</sup> BTU total heat input;												
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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	based on the facility's special knowledge of the waste being combusted.
C.29	<p><b>Emission Unit ID:</b> 15</p> <p><b>Equipment ID:</b> BR5</p> <p>(S.C. Regulation 61-62.5, Standard No. 5.2, Section III) The allowable discharge of NO<sub>x</sub> resulting from BR5 is</p> <p><u>While firing natural gas:</u> low NO<sub>x</sub> burners or equivalent technology capable of achieving 30 ppmv at 3% O<sub>2</sub> Dry (0.036 lb/million BTU).</p> <p><u>While firing distillate oil (# 2 fuel oil):</u> low NO<sub>x</sub> burners or equivalent technology capable of achieving 0.15 lb/million BTU).</p> <p>(S.C. Regulation 61-62.5, Standard No. 5.2, Section VI) The owner/operator of a subject combustion source shall develop a tune-up plan and perform tune-ups every two years in accordance with manufacturer's specifications or with good engineering practices from replacement of burner. All tune-up records are required to be maintained on site.</p>
C.30	<p><b>Emission Unit ID:</b> 16</p> <p><b>Equipment ID:</b> MB2-1, MB2-2, MB2-3, MB2-4</p> <p>MB2 Tire Builders are subject to Prevention of Significant Deterioration. BACT for these sources is determined to be no controls and best management practices for solvent use, storage, and handling. In order to comply with LAER and BACT for each of these tire builders, the facility shall maintain total VOC emissions per tire builder to less than or equal to the levels specified below, depending upon the duration of the compliance period:</p> <p style="text-align: center;">1,727 lbs per 28 days per tire builder  1,789 lbs per 29 days per tire builder  1,850 lbs per 30 days per tire builder  1,912 lbs per 31 days per tire builder</p> <p>(A) The facility is required to follow the best management practices (BMP) for the proper use, storage and safe handling of the heptane or heptane-like solvent used in the dissolution. This BMP shall be maintained at the facility and made available to Department personnel upon request. These practices shall include the information on employee training, requirements on the storage, use and handling of the material and any other practices as applicable. This plan shall be updated to reflect changes.</p> <p>(B) Compliance with BACT limits for each MB2 tire builder use the following procedure to determine compliance with the applicable (depending upon duration of compliance period) uncontrolled monthly VOC use limits above.</p> <p style="padding-left: 40px;">Determine the density and weight fraction VOC (including dilution VOC) of each cement from its formulation or by analysis of the cement using Method 24. Calculate the total mass of VOC used at the affected facility for the month. Determine the time duration of the monthly compliance period.</p> <p>To determine the uncontrolled monthly VOC use. The owner/operator shall determine on a monthly basis the pounds of VOC emitted based on the amount of heptane and/or heptane-like solvent used. The owner/operator shall maintain all</p>

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(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>records required onsite. Reports, including all recorded parameters and calculated values, shall be submitted semiannually.</p> <p style="text-align: center;">1,727 lbs per 28 days per tire builder  1,789 lbs per 29 days per tire builder  1,850 lbs per 30 days per tire builder  1,912 lbs per 31 days per tire builder</p> <p>Compliance with BACT/LAER limits for each MB2 tire builder use the following procedure to determine compliance with the applicable (depending upon duration of compliance period) uncontrolled monthly VOC use limits above.</p> <p style="padding-left: 40px;">Determine the density and weight fraction VOC (including dilution VOC) of each cement from its formulation or by analysis of the cement using Method 24. Calculate the total mass of VOC used at the affected facility for the month. Determine the time duration of the monthly compliance period.</p> <p style="padding-left: 40px;">Using this equation, the owner/operator shall determine on a monthly basis the pounds of VOC emitted.</p> <p>The owner/operator shall maintain onsite all records required to support VOC emissions determinations. Summary VOC emissions reports shall be submitted semiannually.</p> <p>The facility is required to follow the best management practices (BMP) for the proper use, storage and safe handling of the heptane or heptane-like solvent used in the dissolution. This BMP shall be maintained at the facility and made available to Department personnel upon request. These practices shall include the information on employee training, requirements on the storage, use and handling of the material and any other practices as applicable. This plan shall be updated to reflect changes.</p>
C.31	<p><b>Emission Unit ID:</b> 21, 22, 23, 24</p> <p><b>Equipment ID:</b>  Unit ID 21: NCCUT1, 567CUT, 540CUT, 1565CUT1, 1565CUT2, SLIT, TPFR1, TPFR2, WRAP, 650EXT1, EXT530, CAL1, CHUTE, ENV, MAG,  Unit ID 22: PAPP, BNS,  Unit ID 23: CURE,  Unit ID 24: DECM, AUTO1, REP1-4, ASPECT1-3</p> <p>The Rubber Preparation, Tire Building, Tire Curing, and Repair processes at US7 are subject to SC Regulation 61-62.5, Standard No. 7 - Prevention of Significant Deterioration. The twelve month rolling sum shall not exceed 172.6 tons of volatile organic compound (VOC) in aggregate. The twelve month rolling sum shall not exceed 172.6 tons of VOC from solvent usage and rubber heating. An operational standard that includes manual application of solvent and a Best Management Practices Program (BMPP) will be used to meet the emission limitations.</p> <p>The owner/operator shall maintain monthly solvent usage, production records, and any other information used for determining VOC emissions. VOC emissions shall be calculated on a monthly basis, and a twelve month rolling sum. Semi-annual reports including all recorded parameters and calculated values shall be submitted.</p> <p>An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates shall be included in the initial report. Subsequent submittals of the algorithm and example calculations are unnecessary, unless the method of calculation is found to be unacceptable by the Bureau or if the facility changes the method of</p>

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Condition Number	Condition
	<p>calculating emissions and/or changes emission factors.</p> <p>The facility shall maintain onsite and available for inspection the BMPP Plan along with any revisions and records of any actions taken pursuant to the BMPP. The facility shall maintain BMPP training logs and inspection logs which will include records of any time period in which the facility deviated from the BMPP. The records shall identify the number, duration, cause(s) of the deviation(s), and corrective action. Semiannual reports of deviations from the BMPP shall be submitted. If no incidences occurred during the reporting period, then the report shall indicate such.</p>
C.32	<p><b>Emission Unit ID:</b> 21, 22, 23</p> <p><b>Equipment ID:</b>            21: EXP06NCCUT2, EXP06NSCUT            22: EXP06PAP, EXP06BNS            23: EXP06CURE</p> <p>Equipment associated with the US7 2006 Expansion Project is subject to Standard No. 7 - Prevention of Significant Deterioration. The twelve month rolling sum shall not exceed 15.4 lb/hr and 67.3 tons of VOC. An operational standard that includes manual application of solvent and a BMPP will be used to meet the emission limitations.</p> <p>The owner/operator shall maintain monthly solvent usage, production records, and any other information used for determining VOC emissions. VOC emissions shall be calculated on a monthly basis, and a twelve month rolling sum. Semi-annual reports including all recorded parameters and calculated values shall be submitted.</p> <p>An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates shall be included in the initial report. Subsequent submittals of the algorithm and example calculations are unnecessary, unless the method of calculation is found to be unacceptable by the Bureau or if the facility changes the method of calculating emissions and/or changes emission factors.</p> <p>The facility shall maintain onsite and available for inspection the BMPP Plan along with any revisions and records of any actions taken pursuant to the BMPP. The facility shall maintain BMPP training logs and inspection logs which will include records of any time period in which the facility deviated from the BMPP. The records shall identify the number, duration, cause(s) of the deviation(s), and corrective action. Semiannual reports of deviations from the BMPP shall be submitted. If no incidences occurred during the reporting period, then the report shall indicate such.</p>
C.33	<p><b>Emission Unit ID:</b> 21, 22, 23, 24</p> <p><b>Equipment ID:</b>            21: C345TPFR3, C345TPFR4, C345NSCUT2, C345NSCUT3, C345NCCUT3, C345650EXT2, C345CAL2, C345CAL3            650 NAREXT3            22: C345PAPP, C345BNS            23: C345CURE            24: C345REP5-7, C345ASPECT4-5</p> <p>The equipment associated with Project C345 is subject to Standard No. 7 - Prevention of Significant Deterioration. The BACT limits for VOC emitted from solvent usage and rubber heating from all sources installed under Project C345 are 31.1 lbs/hr and 136.2 tpy.</p>

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Condition Number	Condition
	<p>An operational standard that includes manual application of solvent and a Best Management Practices Program (BMPP) will be used to meet the emission limitations.</p> <p>The facility shall maintain onsite and available for inspection the BMPP Plan along with any revisions and records of any actions taken pursuant to the BMPP. The facility shall maintain BMPP training logs and inspection logs which will include records of any time period in which the facility deviated from the BMPP. The records shall identify the number, duration, cause(s) of the deviation(s), and corrective action. Semiannual reports of deviations from the BMPP shall be submitted. If no incidences occurred during the reporting period, then the report shall indicate such.</p>
C.34	<p><b>Emission Unit ID:</b> 23</p> <p><b>Equipment ID:</b> C345CURE</p> <p>The C345CURE curing press associated with Project C345 is subject to SC Regulation 61-62.5, Standard No. 7 - Prevention of Significant Deterioration. The BACT limits for VOC emitted from Silane usage from all sources installed under Project C345 are 1.3 lbs/hr and 5.7 tpy.</p> <p>An operational standard that includes manual application of solvent and a Best Management Practices Program (BMPP) will be used to meet the emission limitations.</p> <p>The facility shall maintain onsite and available for inspection the BMPP Plan along with any revisions and records of any actions taken pursuant to the BMPP. The facility shall maintain BMPP training logs and inspection logs which will include records of any time period in which the facility deviated from the BMPP. The records shall identify the number, duration, cause(s) of the deviation(s), and corrective action. Semiannual reports of deviations from the BMPP shall be submitted. If no incidences occurred during the reporting period, then the report shall indicate such.</p>
<b>Facility-Wide</b>	
C.35	(S.C. Regulation 61-62.5 Standard 7, aa (7)(i)) The Plantwide Applicability limit (PAL) pollutant is volatile organic compounds (VOC). The PALVOC emission limit for this facility is 755.36 tpy of total VOC emissions.
C.36	(S.C. Regulation 61-62.5 Standard 7, aa (7)(ii)) The effective date of this PAL is (date determined upon issuance) with a PAL expiration date of ( date 10 years from issuance).
C.37	(S.C. Regulation 61-62.5 Standard 7, aa (7)(iii)) The PAL may be renewed if application is made in a timely manner prior to the expiration of the effective period of the PAL, then the PAL shall not expire at the end of the effective period and shall remain in effect until a revised PAL permit is issued by the Department. The timely application is required to be submitted at least 6 months prior to, but not earlier than 18 months from, the date of the PAL expiration date.
C.38	(S.C. Regulation 61-62.5, Standard 7, aa (7)(iv)) Emission calculations for compliance purposes of the PAL shall include emissions from startups, shutdowns, and malfunctions.
C.39	<p>(S.C. Regulation 61-62.5 Standard 7, aa (12)(iii)) Mass balance calculations used to monitor PAL pollutant emissions from activities using coating or solvents shall meet the following requirements:</p> <ul style="list-style-type: none"> <li>(a) Provide a demonstrated means of validating the published content of the PAL pollutant that is contained in or created by all materials used in or at the emissions unit;</li> <li>(b) Assume that the emissions unit emits all of the PAL pollutant that is contained in or created by any raw material or fuel used in or at the emissions unit, if it cannot otherwise be accounted for in the process; and</li> <li>(c) Where the vendor of a material or fuel, which is used in or at the emissions unit, publishes a range of pollutant content from such material, the owner or operator must use the highest value of the range to calculate the PAL pollutant emissions unless the Department determines there is site-specific data or a site-specific monitoring</li> </ul>

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(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>program to support another content within the range.</p> <p>(S.C. Regulation 61-62.5 Standard 7, aa (12)(vi)) Emission factors used to monitor the PAL pollutant emissions shall meet the following requirements:</p> <ul style="list-style-type: none"> <li>(a) All emission factors shall be adjusted, if appropriate, to account for the degree of uncertainty or limitations in the factors' development;</li> <li>(b) The emissions unit shall operate within the designated range of use for the emission factor, if applicable; and</li> <li>(c) If technically practicable, the owner or operator of a significant emissions unit that relies on an emission factor to calculate PAL pollutant emissions shall conduct validation testing to determine a site-specific emission factor within 6 months of PAL permit issuance, unless the Department determines that testing is not required.</li> </ul> <p>Michelin shall validate the emission factors for milling, extruder, calender, and tire curing by review. The review will compare the rubber and tire types that were used for the AP-42 factor testing and compare silane rubber usage with silane factor testing assuring that the correct factors are being used to estimate VOC emissions. In addition, Michelin shall use the highest (worst case) factor for VOC to assure that the estimate is the worst case and results in the highest VOC emissions estimate. A record shall be kept of the validation data.</p>
C.40	<p>The owner/operator shall maintain records of all volatile organic compounds (VOC). These records shall include the total amount of each material used, the VOC content in percent by weight of each material, AP-42 factors, and any other records necessary to determine facility wide VOC. VOC emissions shall be calculated on a monthly basis, and a twelve-month rolling sum shall be calculated for total VOC. The twelve-month rolling sum shall be less than 755.36 tons. Reports of the calculated values and the twelve-month rolling sum shall be submitted semiannually.</p> <p>An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates shall be included in the initial report. Subsequent submittals of the algorithm and example calculations are unnecessary, unless the method of calculation is found to be unacceptable by the Bureau or if the facility changes the method of calculating emissions and/or changes emission factors.</p>
C.41	The Department reserves the right to reopen this PAL permit as specified in SC Regulation 61-62.5, Standard 7, Section aa (8)
C.42	(S.C. Regulation 61-62.5 Standard 7, aa (9)) If the PAL is not renewed in accordance with the procedures in paragraph (aa)(10) shall expire at the end of the PAL effective period, then the facility is subject to the requirements of SC Regulations in paragraphs (aa)(9)
C.43	(S.C. Regulation 61-62.5 Standard 7, aa (13)) The owner or operator shall retain a copy of all records necessary to determine compliance with any requirement of paragraph (aa) and of the PAL, including a determination of each emissions unit's 12-month rolling total emissions, for five (5) years from the date of such record.
C.44	(S.C. Regulation 61-62.5 Standard 7, (aa)(13)(ii)) The owner or operator shall retain a copy of the PAL permit application and any applications for revisions to the PAL and each annual certification of compliance pursuant to Title V and the data relied on in certifying the compliance for the duration of the PAL effective period plus 5 years. All above records may be retained in electronic format, if applicable.
C.45	<p>(S.C. Regulation 61-62.5 Standard 7, aa (14)) The owner or operator shall submit semi-annual monitoring reports and prompt deviation reports to the Department in accordance with the applicable title V operating permit program. The reports shall meet the requirements in paragraphs (aa)(14)(i) through (iii).</p> <ul style="list-style-type: none"> <li>(i) Semi-annual report. The semi-annual report shall be submitted to the Department within 30 days of the end of each reporting period. This report shall contain the information required in paragraphs (aa)(14)(i)(a) through (aa)(14)(i)(g).</li> </ul>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>(a) The identification of owner and operator and the permit number.</p> <p>(b) Total annual emissions (tons/year) based on a 12-month rolling total for each month in the reporting period recorded pursuant to paragraph (aa)(13)(i).</p> <p>(c) All data relied upon, including, but not limited to, any Quality Assurance or Quality Control data, in calculating the monthly and annual PAL pollutant emissions.</p> <p>(d) A list of any emissions units modified or added to the major stationary source during the preceding 6-month period.</p> <p>(e) The number, duration, and cause of any deviations or monitoring malfunctions (other than the time associated with zero and span calibration checks), and any corrective action taken.</p> <p>(f) A notification of a shutdown of any monitoring system, whether the shutdown was permanent or temporary, the reason for the shutdown, the anticipated date that the monitoring system will be fully operational or replaced with another monitoring system, and whether the emissions unit monitored by the monitoring system continued to operate, and the calculation of the emissions of the pollutant or the number determined by method included in the permit, as provided by (aa)(12)(vii).</p> <p>(g) (g) A signed statement by the responsible official (as defined by the applicable Title V operating permit program) certifying the truth, accuracy, and completeness of the information provided in the report.</p> <p>(ii) Deviation report. The major stationary source owner or operator shall promptly submit reports of any deviations or exceedance of the PAL requirements, including periods where no monitoring is available. A report submitted pursuant to 40 CFR 70.6(a)(3)(iii)(B) shall satisfy this reporting requirement. The deviation reports shall be submitted within the time limits prescribed by the applicable program implementing 40 CFR 70.6(a)(3)(iii)(B). The reports shall contain the following information:</p> <p>(a) The identification of owner and operator and the permit number;</p> <p>(b) The PAL requirement that experienced the deviation or that was exceeded;</p> <p>(c) Emissions resulting from the deviation or the exceedance; and</p> <p>(d) A signed statement by the responsible official (as defined by the applicable Title V operating</p> <p>(iii) Re-validation results. The owner or operator shall submit to the Department the results of any re-validation test or method within three (3) months after completion of such test or method.</p>

**D. NESHAP PERIODIC REPORTING SCHEDULE SUMMARY**

NESHAP Part	NESHAP Subpart	Compliance Monitoring Report Submittal Frequency	Reporting Period	Report Due Date
63	ZZZZ (Emergency Generators see note 3 and 4)	N/A	N/A	N/A
63	XXXX	Semi-annual	January 1 – June 30 July 1 –December 31	July 30 January 31

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1. This table summarizes only the periodic compliance reporting schedule. Additional reports may be required. See specific NESHAP Subpart for additional reporting requirements and associated schedule.
2. This reporting schedule does not supersede any other reporting requirements including but not limited to 40 CFR Part 60, 40 CFR Part 61, 40 CFR Part 63, and/or Title V. The MACT reporting schedule may be adjusted to coincide with the Title V reporting schedule with prior approval from the Department in accordance with 40 CFR Part 63.10.a.5. This request may be made 1 year after the compliance date for the associated MACT standard.
3. Emergency generators are not required to submit reports unless they meet the criteria under 63.6650(h) and must submit reports annually. Only non-emergency engines are required to submit semi annual reports.
4. Emergency engines shall comply with the operations limits specified in 40 CFR 63.6640(f).

**E. NESHAP - CONDITIONS**

Condition Number	Condition
E.1	All NESHAP notifications and reports shall be sent to the Manager of the Air Toxics Section, South Carolina Department of Health and Environmental Control - Bureau of Air Quality.
E.2	All NESHAP notifications and the cover letter to periodic reports shall be sent to the United States Environmental Protection Agency (US EPA) at the following address: <p style="text-align: center;"><b>US EPA, Region 4</b>  <b>Air, Pesticides and Toxics Management Division</b>  <b>61 Forsyth Street SW</b>  <b>Atlanta, GA 30303</b></p>
E.3	Affected sources: All Stationary IC Engines: This facility is subject to the provisions of 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subparts A and NESHAP for Stationary Reciprocating Internal Combustion Engines. Existing affected sources shall comply with the applicable provisions by the compliance date specified in Subpart ZZZZ. Any new affected sources shall comply with the requirements of this Subpart upon initial start-up unless otherwise noted.
E.4	This facility has processes subject to the provisions of S.C. Regulation 61-62.63 and 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subparts A and XXXX Rubber Tire Manufacturing. Existing affected sources shall be in compliance with the requirements of these Subparts on the compliance date, unless otherwise noted. Any new affected sources shall comply with the requirements of these Subparts upon initial start-up unless otherwise noted.

**F. RESERVED**

**G. PERMIT SHIELD**

Condition Number	Condition
G.1	No Shield Requested.
G.1	(S.C. Regulation 61-62.70.6.f) A copy of the "applicability determination" submitted with the Part 70 permit application is included as Attachment – Applicable and Non-Applicable Federal and State Regulations. With the exception of those listed below, compliance with the terms and conditions of this permit shall be deemed compliance with the applicable requirements specified in Attachment – Applicable and Non-Applicable Federal and State Regulations as of the date of permit issuance provided that such applicable requirements are included and are specifically identified in the permit. Exceptions to this are stated below in the <i>Permit Shield Exceptions</i> Table. The owner or operator shall also be shielded from the non-applicable requirements specified in Attachment – Applicable and Non-Applicable Federal and State Regulations. Exceptions to this are stated below in the <i>Permit Shield Exceptions</i> Table.

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**G. PERMIT SHIELD**

Condition Number	Condition	
	<b>Permit Shield Exceptions</b>	
	SC Regulation 61-62.5 Standard No. 7	Prevention of Significant Deterioration
	SC Regulation No. 61-62.5, Standard No. 7(c)	Ambient Air Increments
	SC Regulation 61-62.5 Standard No. 7.1	Nonattainment New Source Review (NSR)
	SC Regulation 61-62.61, Subpart M	National Emission Standard for Asbestos
	40 CFR 60	Standards Of Performance For New Stationary Sources, and all Subparts
	40 CFR 61	National Emission Standards for Hazardous Air Pollutants, and all Subparts
	40 CFR Part 63	General Provisions and all Subparts
<p>Nothing in the permit shield or in any Part 70 permit shall alter or affect the provisions of Section 303 of the Act, Emergency Orders, of the Clean Air Act; the liability of the owner or operator for any violation of applicable requirements prior to or at the time of permit issuance; the applicable requirements of the Acid Rain Program, consistent with Section 408.a of the Clean Air Act; or the ability of US EPA to obtain information from a source pursuant to Section 114 of the Clean Air Act. In addition, the permit shield shall not apply to emission units in noncompliance at the time of permit issuance, minor permit modifications (S.C. Regulation 61-62.70.7.e.2), group processing of minor permit modifications (S.C. Regulation 61-62.70.7.e.3), or operational flexibility (S.C. Regulation 61-62.70.7.e.5.i), except as specified in S.C. Regulation 61-62.70.7.e.5.iii.</p>		

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## ATTACHMENT - Emission Rates for Ambient Air Standards

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The emission rates listed herein are not considered federally enforceable limitations but are used to evaluate ambient air quality impact. Until the Department makes a determination that a facility is causing or contributing to an exceedance of a state or federal ambient air quality standard, increases to these emission rates are not in themselves considered violations of these ambient air quality standards (see Ambient Air Standards Requirements).

<b>AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2</b>							
<b>Emission Point ID</b>	<b>Emission Rates (lbs/hr)</b>						
	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>	<b>SO<sub>2</sub></b>	<b>NO<sub>x</sub></b>	<b>CO</b>	<b>Lead</b>	<b>Gaseous Fluorides (as HF)</b>
124_1	3.0363	--	52.4433	36.7437	8.2090	--	--
124_44	2.3657	--	73.1820	16.4917	11.8257	--	--
124_45	1.5640	--	4.8381	9.128	7.922	--	--
190_14, 15	1.6700	--	--	--	--	0.000296	--
190-17 -RIS Grinding	0.064	--	--	--	--	0.000047	--
190-18-RIS Grinding	0.064	--	--	--	--	0.000047	--
230_18, 19, 20-RIS Grinding 230-18 thru 230-20	0.1344	--	--	--	--	0.000187	--
560-35	0.004	--	--	--	--	--	--
560-38	0.004	--	--	--	--	--	--
561-19-RIS-Grinding	0.021	--	--	--	--	0.000015	--
561_22	0.723	--	--	--	--	--	--
641_6	1.0754	--	--	--	--	--	--
642_41	2.169	--	--	--	--	--	--
643_8	0.723	--	--	--	--	--	--
MB2-1-Green Tire Spraying MB2	0.723	--	--	--	--	--	--
521_5-Hood Exhaust (EB2,3 Cal 800) merged with-521-5, 522-14 thru 19	--	--	--	--	--	0.000147	--
C103 Merged with C101	--	--	--	--	--	0.000010	--
C109	--	--	--	--	--	0.000061	--

**ATTACHMENT - Emission Rates for Ambient Air Standards**

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<b>TOXIC AIR POLLUTANTS - STANDARD NO. 8</b>					
<b>Emission Point ID</b>	<b>Emission Rates (lbs/hr)</b>				
	<b>Acrolein CAS# 107-02-8</b>	<b>Aniline CAS# 62-53-3</b>	<b>Bis(2- Ethylhexyl)- phthalate DEHP CAS# 117-81-7</b>	<b>Carbon Disulfide CAS# 75-15-0</b>	<b>Cumene CAS# 98-82-8</b>
190_14 Merged with 190-15	--	0.001864	0.000127	0.000088	0.00005
190_17 Merged with 190-18	--	0.002663	0.000182	-0.000125	0.00007
230-18 Merged with 230-19 thru 20	--	0.003995	0.000272	0.000188	0.00001
521_5 Merged with 522-14 thru 19	0.004678	0.024121	0.015301	0.038067	0.019690
523_6 Merged with 521-1 thru 6	0.003579	0.022795	0.004986	0.004262	0.001613
523_7 Merged with 522-21 thru 22	0.001789	0.011398	0.002493	0.002131	0.000806
C103 Merged with C101	0.012116	0.077429	0.020927	0.027818	0.012604
C502 Merged with C401 thru 404, C501	0.000386	0.013128	0.001784	0.039771	0.001431
561_19	-	0.000666	0.000045	0.000031	0.000002
642_4 Merged with 642-12, 642-15 thru 17, 642-19 thru 24, 642-26 thru 31, 642-33 thru 38, 642-43 thru 48, 642-50 thru 52	0.002031	0.069123	0.009392	0.209407	0.007535
645_2 Merged with 645-3 thru 9, 645-11 thru 18, 645-20 thru 27, 645-29 thru 32	0.001777	0.060483	0.008218	0.183231	0.006594
C301	0.000062	0.002898	0.000381	0.001081	0.000313
C209- 670_209-Curing-Phase I C201 through C221	0.00135	0.045948	0.006243	0.139199	0.005009
C602 Merged with C603 thru C627	0.001671	0.056888	0.007729	0.172341	0.006202
C704 Merged with C701 thru C703, C705 thru C710	0.000964	0.03282	0.004459	0.099428	0.003578
MB2-27-Merged Stack Curing Stack MB2-MB2-18, MB2-20 thru MB2-27	0.001523	0.051842	0.007044	0.157055	0.005652

<b>TOXIC AIR POLLUTANTS - STANDARD NO. 8</b>					
<b>Emission Point ID</b>	<b>Emission Rates (lbs/hr)</b>				
	<b>Biphenyl CAS# 92-52-4</b>	<b>Benzidine CAS# 92-87-5</b>	<b>Chromium +6 Compounds CAS# --</b>	<b>Cobalt Compounds CAS# --</b>	<b>Nickel CAS# 7440-02-0</b>
190_14 Merged with 190-15	--	--	0.000062	--	0.000035
190_17 Merged with 190-18	--	--	0.000088	--	0.000049
230-18 Merged with 230-19 thru 20	--	--	0.000133	--	0.000074

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<b>TOXIC AIR POLLUTANTS - STANDARD NO. 8</b>					
<b>Emission Point ID</b>	<b>Emission Rates (lbs/hr)</b>				
	<b>Biphenyl CAS# 92-52-4</b>	<b>Benzidine CAS# 92-87-5</b>	<b>Chromium +6 Compounds CAS# --</b>	<b>Cobalt Compounds CAS# --</b>	<b>Nickel CAS# 7440-02-0</b>
521_5 Merged with 522-14 thru19	0.000576	--	0.002924	0.000219	0.005658
523_6 Merged with 521-1 thru 6	0.000326	--	0.002924	0.000219	0.005658
523_7 Merged with 522-21 thru 22	0.000163	--	0.01462	0.000110	0.002829
C103 Merged with C101	0.001189	--	0.009544	0.000715	0.018470
C502 Merged with C401 thru 404, C501	0.000204	--	-	--	-
561_19	--	--	0.000022	--	0.000012
642_4 Merged with 642-12, 642-15 thru17, 642-19 thru 24, 642-26 thru 31, 642-33 thru 38, 642-43 thru 48, 642-50 thru 52	0.001076	--	--	--	--
645_2 Merged with 645-3 thru 9, 645-11 thru 18, 645-20 thru 27, 645-29 thru 32	0.000941	--	--	--	--
C301	0.000104	0.000145	--	--	--
C209- 670_209-Curing-Phase I C201 through C221	0.000715	--	--	--	--
C602 Merged with C603 thru C627	0.000885	--	--	--	--
C704 Merged with C701 thru C703, C705 thru C710	0.000511	--	--	--	--
MB2-27-Merged Stack Curing Stack MB2-MB2-18, MB2-20 thru MB2-27	0.000807	--	--	--	--

<b>TOXIC AIR POLLUTANTS - STANDARD NO. 8</b>					
<b>Emission Point ID</b>	<b>Emission Rates (lbs/hr)</b>				
	<b>Toluene CAS# 108-88-3</b>	<b>4-Nitrobiphenyl CAS# 92-93-3</b>	<b>Dibutyl Phthalate CAS# 87-74-2</b>	<b>Diethyl Phthalate CAS# 84-66-2</b>	<b>Hexane CAS# 110-54-3</b>
190_14 Merged with 190-15	0.000858	--	0.000012	0.000005	0.000570
190_17 Merged with 190-18	0.001225	--	0.000017	0.000007	0.000814
230-18 Merged with 230-19 thru 20	0.001838	--	0.000025	0.000010	0.001220
521_5 Merged with 522-14 thru19	0.162974	0.000029	0.002825	0.004084	0.037401
523_6 Merged with 521-1 thru 6	0.107942	--	0.002825	0.003775	0.029542
523_7 Merged with 522-21 thru 22	0.053971	--	0.001412	0.001887	0.014771
C103 Merged with C101	0.374835	0.000012	0.009317	0.012452	0.099752

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<b>TOXIC AIR POLLUTANTS - STANDARD NO. 8</b>					
<b>Emission Point ID</b>	<b>Emission Rates (lbs/hr)</b>				
	<b>Toluene CAS# 108-88-3</b>	<b>4-Nitrobiphenyl CAS# 92-93-3</b>	<b>Dibutyl Phthalate CAS# 87-74-2</b>	<b>Diethyl Phthalate CAS# 84-66-2</b>	<b>Hexane CAS# 110-54-3</b>
C502 Merged with C401 thru 404, C501	0.049714	--	0.002858	0.000088	0.017987
561_19	0.000306	--	0.000004	0.000002	0.000203
642_4 Merged with 642-12, 642-15 thru 17, 642-19 thru 24, 642-26 thru 31, 642-33 thru 38, 642-43 thru 48, 642-50 thru 52	0.261759	--	0.015049	0.000465	0.094709
645_2 Merged with 645-3 thru 9, 645-11 thru 18, 645-20 thru 27, 645-29 thru 32	0.229039	--	0.013168	0.000407	0.082871
C301	0.005107	--	0.000008	--	0.000788
C209- 670_209-Curing-Phase I C201 through C221	0.173999	--	0.010004	0.000309	0.062956
C602 Merged with C603 thru C627	0.215427	--	0.012386	0.000382	0.077945
C704 Merged with C701 thru C703, C705 thru C710	0.124285	--	0.007146	0.000220	0.044968
MB2-27-Merged Stack Curing Stack MB2-MB2-18, MB2-20 thru MB2-27	0.196319	--	0.011287	0.000349	0.071032

<b>TOXIC AIR POLLUTANTS - STANDARD NO. 8</b>					
<b>Emission Point ID</b>	<b>Emission Rates (lbs/hr)</b>				
	<b>Isophorone CAS# 78-59-1</b>	<b>MIBK CAS# 108-10-1</b>	<b>Xylene CAS# 1330-20-7</b>	<b>M-Xylene CAS# 108-38-3</b>	<b>--</b>
190_14 Merged with 190-15	-	-	0.000232	0.000147	--
190_17 Merged with 190-18	-	--	0.000332	0.000209	--
230-18 Merged with 230-19 thru 20	-	-	0.000497	0.000314	--
521_5 Merged with 522-14 thru 19	0.038240	0.101904	0.020786	0.010849	--
523_6 Merged with 521-1 thru 6	0.036411	0.092892	0.012778	0.006835	--
523_7 Merged with 522-21 thru 22	0.018206	0.046446	0.006389	0.003417	--
C103 Merged with C101	0.125872	0.311966	0.045164	0.024079	--
C502 Merged with C401 thru 404, C501	0.000217	0.139199	0.446491	0.354324	--
561_19	0.000077	0.014212	0.022693	0.22693	--
642_4 Merged with 642-12, 642-15 thru 17, 642-19 thru 24, 642-26 thru 31, 642-33 thru 38, 642-43 thru 48, 642-50 thru 52	0.000062	0.039771	0.127569	0.101236	--

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<b>TOXIC AIR POLLUTANTS - STANDARD NO. 8</b>					
<b>Emission Point ID</b>	<b>Emission Rates (lbs/hr)</b>				
	<b>Isophorone CAS# 78-59-1</b>	<b>MIBK CAS# 108-10-1</b>	<b>Xylene CAS# 1330-20-7</b>	<b>M-Xylene CAS# 108-38-3</b>	<b>--</b>
645_2 Merged with 645-3 thru 9, 645-11 thru 18, 645-20 thru 27, 645-29 thru 32	-	-	0.000083	0.000052	--
C301	0.000327	0.209407	0.671690	0.0553037	--
C209- 670_209-Curing-Phase I C201 through C221	0.000286	0.183231	0.587728	0.466402	--
C602 Merged with C603 thru C627	0.000269	0.172341	0.552798	0.438687	--
C704 Merged with C701 thru C703, C705 thru C710	0.000155	0.099428	0.318922	0.253089	--
MB2-27-Merged Stack Curing Stack MB2-MB2-18, MB2-20 thru MB2-27	0.000245	0.157055	0.503767	0.399778	--

<b>TOXIC AIR POLLUTANTS - STANDARD NO. 8</b>		
<b>POLLUTANT</b>	<b>CAS NUMBER</b>	<b>Facility Wide Emission Rates (lbs/day)</b>
Acetaldehyde	75-07-0	0.01337
Acetonitrile	75-05-8	0.35935
Acetophenone	98-86-2	5.93442
Acetylene Tetrachloride (1,1,2,2-Tetrachloroethane)	79-34-5	0.18735
Benzene	71-43-2	1.45438
Benzyl Chloride	100-44-7	0.08036
1,3-Butadiene	106-99-0	0.84781
Cadmium	7440-43-9	0.00040
Carbonyl Sulfide	463-58-1	1.00046
2-Chloroacetophenone	532-27-4	0.01577
Chlorobenzene	108-90-7	0.00005
Chloroform	67-66-3	0.10020
o-Cresol	95-48-7	0.01640
Dibenzofuran	132-64-9	0.02857
p-Dichlorobenzene	106-46-7	1.26487
N,N-Dimethylaniline	121-69-7	0.00869
Dimethyl phthalate	131-11-3	0.21416
Diethyl Phthalate	117-84-0	0.00311
Ethylbenzene	100-41-4	25.29533
Ethyl Chloride	75-00-3	0.08546
Ethylidene Dichloride	75-34-3	0.14478

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<b>TOXIC AIR POLLUTANTS - STANDARD NO. 8</b>		
<b>POLLUTANT</b>	<b>CAS NUMBER</b>	<b>Facility Wide Emission Rates (lbs/day)</b>
Furfural	98-01-1	0.27591
Hexachloroethane	67-72-1	0.00012
Hydroquinone	123-31-9	0.01769
Methyl Bromide	74-83-9	0.16644
Methyl Chloride	74-87-3	0.47969
Methyl Chloroform (1,1,1-Trichloroethane)	71-55-6	0.60627
Methyl Ethyl Ketone	78-93-3	3.35330
Methylene Chloride	75-09-2	32.45339
Methyl-t-butyl Ether	1634-04-4	0.55474
Naphthalene	91-20-3	0.91570
Perchloroethylene (Tetrachloroethylene)	127-18-4	0.66066
Phenol	108-95-2	1.42066
1,2-Propylene Oxide	75-56-9	2.79630
Styrene	100-42-5	8.66052
o-Toluidine	95-53-4	0.47321
1,2,4-Trichlorobenzene	120-82-1	0.00471
Trichloroethylene	79-01-6	0.59320
2,2,4-Trimethylpentane	540-84-1	0.28199
Vinyl Chloride	75-01-4	0.05196
Vinylidene Chloride	75-35-4	1.06454
o-Xylene	95-47-6	16.90325

## Attachment - Applicable and Non-Applicable Federal and State Regulations

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The following contains the Federal and South Carolina air pollution regulations and their applicability, as specified in the Part 70 permit application.

<b>APPLICABILITY DETERMINATION</b>		
<b>Citation</b>	<b>Regulation</b>	<b>Applicable (Yes / No)</b>
SC Regulation 61-62.1	Definitions and General Requirements	Yes
SC Regulation 61-62.2	Prohibition of Open Burning	Yes
SC Regulation 61-62.3	Air Pollution Episodes	No
SC Regulation 61-62.4	Hazardous Air Pollution Conditions	Yes
SC Regulation 61-62.5, Std. No. 1	Emissions from Fuel Burning Operations	Yes
SC Regulation 61-62.5, Std. No. 2	Ambient Air Quality Standards	Yes
SC Regulation 61-62.5, Std. No. 3	Waste Combustion and Reduction	Yes
SC Regulation 61-62.5, Std. No. 3.1	Hospital, Medical, Infectious Waste Incinerators (HMIWI)	No
SC Regulation 61-62.5, Std. No. 4	Emissions from Process Industries	Yes
SC Regulation 61-62.5, Std. No. 5	Volatile Organic Compounds	Yes
SC Regulation 61-62.5, Std. No. 5.1	LAER Applicable to VOCs	Yes
SC Regulation 61-62.5, Std. No. 6	Alternative Emission Limitation Options	No
SC Regulation 61-62.5, Std. No. 7	Prevention of Significant Deterioration	Yes
SC Regulation 61-62.5, Std. No. 8	Toxic Air Pollutants	Yes
SC Regulation 61-62.6	Control of Fugitive Particulate Matter	Yes
SC Regulation 61-62.7	Good Engineering Practice Stack Height	Yes
SC Regulation 61-62.60	SC Designated Facility Plan and NSPS (See 40 CFR Below)	Yes
SC Regulation 61-62.68	Chemical Accident Prevention Provisions	Yes
SC Regulation 61-62.70	Title V Operating Permit Program	Yes
SC Regulation 61-62.72	Acid Rain	No
SC Regulation 61-62.96	NOx Budget Trading Program	No
SC Regulation 61-62.99	NOx Budget Trading Program Requirements for Stationary Sources Not in the Trading Program	No
40 CFR 60 Subpart A	General Provisions	Yes
40 CFR 60 Subpart B	Adoption and Submittal of State Plans for Designated Facilities	No
40 CFR 60 Subpart C	Emission Guidelines and Compliance Times	No
40 CFR 60 Subpart Cb	Emissions Guidelines and Compliance Times for Large Municipal Waste Combustors that are Constructed on or Before September 20, 1994	No
40 CFR 60 Subpart Cc	Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills	No
40 CFR 60 Subpart Cd	Emissions Guidelines and Compliance Times for Sulfuric Acid Production Units	No
40 CFR 60 Subpart Ce	Emission Guidelines and Compliance Times for Hospital/Medical/Infectious Waste Incinerators	No
40 CFR 60 Subpart D	Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971	No
40 CFR 60 Subpart Da	Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978	No
40 CFR 60 Subpart Db	Industrial-Commercial-Institutional Steam Generating Units	No
40 CFR 60 Subpart Dc	Small Industrial-Commercial-Institutional Steam Generating Units	Yes
40 CFR 60 Subpart E	Incinerators	No
40 CFR 60 Subpart Ea	Municipal Waste Combustors for Which Construction is Commenced After December 20, 1989 and on or Before September 20, 1994	No

**Attachment - Applicable and Non-Applicable Federal and State Regulations**

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<b>APPLICABILITY DETERMINATION</b>		
<b>Citation</b>	<b>Regulation</b>	<b>Applicable (Yes / No)</b>
40 CFR 60 Subpart Eb	Large Municipal Waste Combustors for Which Construction is Commenced After September 20, 1994 or for Which Modification or Reconstruction is Commenced After June 19, 1996	No
40 CFR 60 Subpart Ec	Hospital/Medical/Infectious Waste Incinerators for Which Construction is Commenced After June 20,1996	No
40 CFR 60 Subpart F	Portland Cement Plants	No
40 CFR 60 Subpart G	Nitric Acid Plants	No
40 CFR 60 Subpart H	Sulfuric Acid Plants	No
40 CFR 60 Subpart I	Hot Mix Asphalt Facilities	No
40 CFR 60 Subpart J	Petroleum Refineries	No
40 CFR 60 Subpart Ja	Petroleum Refineries for Which Construction , reconstruction, or Modification Commenced After May 14, 2007	No
40 CFR 60 Subpart K	Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978	No
40 CFR 60 Subpart Ka	Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984	No
40 CFR 60 Subpart Kb	Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	No
40 CFR 60 Subpart L	Secondary Lead Smelters	No
40 CFR 60 Subpart M	Secondary Brass and Bronze Production Plants	No
40 CFR 60 Subpart N	Primary Emissions from Basic Oxygen Process Furnaces for Which Construction is Commenced After June 11,1973	No
40 CFR 60 Subpart Na	Secondary Emissions from Basic Oxygen Process Steelmaking Facilities for Which Construction is Commenced After January 20,1983	No
40 CFR 60 Subpart O	Sewage Treatment Plants	No
40 CFR 60 Subpart P	Primary Copper Smelters	No
40 CFR 60 Subpart Q	Primary Zinc Smelters	No
40 CFR 60 Subpart R	Primary Lead Smelters	No
40 CFR 60 Subpart S	Primary Aluminum Reduction Plants	No
40 CFR 60 Subpart T	Phosphate Fertilizer Industry: Wet Process Phosphoric Acid Plants	No
40 CFR 60 Subpart U	Phosphate Fertilizer Industry: Super Phosphoric Acid Plants	No
40 CFR 60 Subpart V	Phosphate Fertilizer Industry: Diammonium Phosphate Plants	No
40 CFR 60 Subpart W	Phosphate Fertilizer Industry: Triple Superphosphate Plants	No
40 CFR 60 Subpart X	Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities	No
40 CFR 60 Subpart Y	Coal Preparation Plants	No
40 CFR 60 Subpart Z	Ferroalloy Production Facilities	No
40 CFR 60 Subpart AA	Steel Plants: Electric Arc Furnaces Constructed After October 21, 1974 and on or Before August 17, 1983	No
40 CFR 60 Subpart AAa	Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983	No
40 CFR 60 Subpart BB	Kraft Pulp Mills	No
40 CFR 60 Subpart CC	Glass Manufacturing Plants	No
40 CFR 60 Subpart DD	Grain Elevators	No
40 CFR 60 Subpart EE	Surface Coating of Metal Furniture	No
40 CFR 60 Subpart GG	Stationary Gas Turbines	No



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<b>APPLICABILITY DETERMINATION</b>		
<b>Citation</b>	<b>Regulation</b>	<b>Applicable (Yes / No)</b>
40 CFR 60 Subpart HH	Lime Manufacturing Plants	No
40 CFR 60 Subpart KK	Lead-Acid Battery Manufacturing Plants	No
40 CFR 60 Subpart LL	Metallic Mineral Processing Plants	No
40 CFR 60 Subpart MM	Automobile and Light Duty Truck Surface Coating Operations	No
40 CFR 60 Subpart NN	Phosphate Rock Plants	No
40 CFR 60 Subpart PP	Ammonium Sulfate Manufacture	No
40 CFR 60 Subpart QQ	Graphic Arts Industry: Publication Rotogravure Printing	No
40 CFR 60 Subpart RR	Pressure Sensitive Tape and Label Surface Coating Operations	No
40 CFR 60 Subpart SS	Industrial Surface Coating: Large Appliances	No
40 CFR 60 Subpart TT	Metal Coil Surface Coating	No
40 CFR 60 Subpart UU	Asphalt Processing and Asphalt Roofing Manufacture	No
40 CFR 60 Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Mfg. Industry	No
40 CFR 60 Subpart VVa	Equipment Leaks of VOC in the Synthetic Organic Chemicals Mfg. Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006	No
40 CFR 60 Subpart WW	Beverage Can Surface Coating Industry	No
40 CFR 60 Subpart XX	Bulk Gasoline Terminals	No
40 CFR 60 Subpart AAA	New Residential Wood Heaters	No
40 CFR 60 Subpart BBB	Rubber Tire Manufacturing Industry	Yes
40 CFR 60 Subpart DDD	Volatile Organic Compound Emissions from the Polymer Manufacturing Industry	No
40 CFR 60 Subpart FFF	Flexible Vinyl and Urethane Coating and Printing	No
40 CFR 60 Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	No
40 CFR 60 Subpart GGGa	Equipment Leaks of VOC in Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006	No
40 CFR 60 Subpart HHH	Synthetic Fiber Production Facilities	No
40 CFR 60 Subpart III	Volatile Organic Compound Emissions from the Synthetic Organic Chemical Manufacturing Industry Air Oxidation Unit Processes	No
40 CFR 60 Subpart JJJ	Petroleum Dry Cleaners	No
40 CFR 60 Subpart KKK	Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	No
40 CFR 60 Subpart LLL	Onshore Natural Gas Processing: SO <sub>2</sub> Emissions	No
40 CFR 60 Subpart NNN	Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations	No
40 CFR 60 Subpart OOO	Nonmetallic Mineral Processing Plants	No
40 CFR 60 Subpart PPP	Wool Fiberglass Insulation Manufacturing Plants	No
40 CFR 60 Subpart QQQ	VOC Emissions from Petroleum Refinery Wastewater Systems	No
40 CFR 60 Subpart RRR	Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Reactor Processes	No
40 CFR 60 Subpart SSS	Magnetic Tape Coating Facilities	No
40 CFR 60 Subpart TTT	Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines	No
40 CFR 60 Subpart UUU	Calciners and Dryers in Mineral Industries	No
40 CFR 60 Subpart VVV	Polymeric Coating of Supporting Substrates Facilities	No
40 CFR 60 Subpart WWW	Municipal Solid Waste Landfills	No

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<b>APPLICABILITY DETERMINATION</b>		
<b>Citation</b>	<b>Regulation</b>	<b>Applicable (Yes / No)</b>
40 CFR 60 Subpart AAAA	Small Municipal Waste Combustion Units After August 30, 1999 or for Which Modification or Reconstruction is Commenced After June 6, 2001	No
40 CFR 60 Subpart BBBB	Emission Guidelines and Compliance Times for Small Municipal Waste Constructed on or Before August 30, 1999	No
40 CFR 60 Subpart CCCC	Commercial and Industrial Solid Waste Incineration Units for Which Construction is Commenced After November 30, 1999 or for Which Modification or Reconstruction is Commenced on or After June 1, 2001	No
40 CFR 60 Subpart DDDD	Emissions Guidelines and Compliance Times for Commercial and Industrial Solid Waste Incineration Units that Commenced Construction On or Before November 30, 1999	No
40 CFR 60 Subpart EEEE	Other Solid Waste Incineration Units or for Which Modification or Reconstruction is Commenced on or After June 16, 2006	No
40 CFR 60 Subpart FFFF	Other Solid Waste Incineration Units or for Which Modification or Reconstruction is Commenced on or After December 9, 2004	No
40 CFR 60 Subpart HHHH	Coal-Fired Electric Steam Generating Units	No
40 CFR 60 Subpart IIII	Stationary Compression Ignition Internal Combustion Engines	Yes
40 CFR 60 Subpart JJJJ	Stationary Spark Ignition Internal Combustion Engines	No
40 CFR 60 Subpart KKKK	Stationary Combustion Turbines	No
40 CFR 61 Subpart A	General Provisions	No
40 CFR 61 Subpart B	Radon Emissions from Underground Uranium Mines	No
40 CFR 61 Subpart C	Beryllium	No
40 CFR 61 Subpart D	Beryllium Rocket Motor Firing	No
40 CFR 61 Subpart E	Mercury	No
40 CFR 61 Subpart F	Vinyl chloride	No
40 CFR 61 Subpart H	Radionuclides Other Than Radon From Department of Energy Facilities	No
40 CFR 61 Subpart I	Radionuclide Emissions From Facilities Licensed by the Nuclear Regulatory Commission and Federal Facilities Not covered by Subpart H	No
40 CFR 61 Subpart J	Equipment Leaks (Fugitive Emission Source) of Benzene	No
40 CFR 61 Subpart K	Elemental Phosphorus	No
40 CFR 61 Subpart L	Benzene Emissions From Coke By-Product Recovery Plants	No
40 CFR 61 Subpart M	Asbestos	No
40 CFR 61 Subpart N	Inorganic Arsenic Emissions From Glass Manufacturing Plants	No
40 CFR 61 Subpart O	Inorganic Arsenic Emissions From Primary Copper Smelters	No
40 CFR 61 sSubpart P	Inorganic Arsenic Emissions From Arsenic Trioxide and Metallic Arsenic Production Facilities	No
40 CFR 61 Subpart Q	Radon Emissions From Department of Energy Facilities	No
40 CFR 61 Subpart R	Radon Emissions From Phosphogypsum Stacks	No
40 CFR 61 Subpart T	Radon Emissions From the Disposal of Uranium Mill Tailings	No
40 CFR 61 Subpart V	Equipment Leaks (Fugitive Emission Sources)	No
40 CFR 61 Subpart W	Radon Emissions From Operating Mill Tailings	No
40 CFR 61 Subpart Y	Benzene Emissions From Benzene Storage Vessels	No
40 CFR 61 Subpart BB	Benzene Emissions From Benzene Transfer Operations	No
40 CFR 61 Subpart FF	Benzene Waste Operations	No
40 CFR 63 Subpart A	General Provisions	Yes
40 CFR 63 Subpart B	Requirements for Control Technology Determinations for Major Sources	No

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<b>APPLICABILITY DETERMINATION</b>		
<b>Citation</b>	<b>Regulation</b>	<b>Applicable (Yes / No)</b>
40 CFR 63 Subpart C	De-Listings	No
40 CFR 63 Subpart D	Compliance Extensions for Early Reduction Sources	No
40 CFR 63 Subpart E	Approval of State Programs and Delegation of Authority	No
40 CFR 63 Subpart F	Synthetic Organic Chemical Manufacturing Industry, HON	No
40 CFR 63 Subpart F	Tetrahydrobenzaldehyde Manufacture (Formerly Butadiene Dimers Production)	No
40 CFR 63 Subpart G	Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater, HON	No
40 CFR 63 Subpart H	Synthetic Organic Chemical Manufacturing Industry for Equipment Leaks, HON	No
40 CFR 63 Subpart I	Synthetic Organic Chemical Manufacturing Industry for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks, HON	No
40 CFR 63 Subpart J	Polyvinyl Chloride and Copolymers Production	No
40 CFR 63 Subpart L	Coke Ovens	No
40 CFR 63 Subpart M	Dry Cleaning	No
40 CFR 63 Subpart N	Chrome Electroplating	No
40 CFR 63 Subpart O	Ethylene Oxide Commercial Sterilization Facilities	No
40 CFR 63 Subpart Q	Industrial Process Cooling Towers	No
40 CFR 63 Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations), Stage I	No
40 CFR 63 Subpart S	Pulp and Paper Cluster Rule	No
40 CFR 63 Subpart T	Degreasing Organic Cleaners (Halogenated Solvent Cleaning)	No
40 CFR 63 Subpart U	Polymers and Resins Group I	No
40 CFR 63 Subpart W	Polymers and Resins Group II, Epoxy Resins Production and Non-Nylon Polyamides Production	No
40 CFR 63 Subpart X	Secondary Lead Smelting	No
40 CFR 63 Subpart Y	Marine Vessel Unloading Operations	No
40 CFR 63 Subpart AA	Phosphoric Acid Manufacturing Plants	No
40 CFR 63 Subpart BB	Phosphate Fertilizers	No
40 CFR 63 Subpart CC	Petroleum Refineries	No
40 CFR 63 Subpart DD	Off-Site Waste and Recovery Operations	No
40 CFR 63 Subpart EE	Magnetic Tape Manufacturing	No
40 CFR 63 Subpart FF	Benzene Waste Operations	No
40 CFR 63 Subpart GG	Aerospace Manufacturing and Rework Facilities	No
40 CFR 63 Subpart HH	Oil and Gas Production Facilities	No
40 CFR 63 Subpart II	Shipbuilding and Ship repair Facilities (Coating Operations)	No
40 CFR 63 Subpart JJ	Wood Furniture Manufacturing Operations	No
40 CFR 63 Subpart KK	Printing and Publishing	No
40 CFR 63 Subpart LL	Primary Aluminum Reduction Plants	No
40 CFR 63 Subpart MM	Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-Alone Semicheical Pulp Mills	No
40 CFR 63 Subpart OO	Tanks- Level 1	No
40 CFR 63 Subpart WW	Tanks - Level 2	No
40 CFR 63 Subpart PP	Containers	No
40 CFR 63 Subpart QQ	Surface Impoundments QQ	No
40 CFR 63 Subpart RR	Individual Drain Systems	No

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<b>APPLICABILITY DETERMINATION</b>		
<b>Citation</b>	<b>Regulation</b>	<b>Applicable (Yes / No)</b>
40 CFR 63 Subpart SS	Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or Process	No
40 CFR 63 Subpart TT	Equipment Leaks-Control Level 1	No
40 CFR 63 Subpart UU	Equipment Leaks-Control Level 2	No
40 CFR 63 Subpart VV	Oil-Water Separators and Organic-Water Separators	No
40 CFR 63 Subpart YY	Generic Maximum Achievable Control Technology (MACT) Standards	No
40 CFR 63 Subpart CCC	Steel Pickling Facilities	No
40 CFR 63 Subpart DDD	Mineral Wool Production	No
40 CFR 63 Subpart EEE	Hazardous Waste Combustors	No
40 CFR 63 Subpart GGG	Pharmaceuticals Production	No
40 CFR 63 Subpart HHH	Natural Gas Transmission and Storage Facilities	No
40 CFR 63 Subpart III	Flexible Polyurethane Foam Production	No
40 CFR 63 Subpart JJJ	Polymers and Resins Group IV	No
40 CFR 63 Subpart LLL	Portland Cement Manufacturing	No
40 CFR 63 Subpart MMM	Pesticide Active Ingredients Production	No
40 CFR 63 Subpart NNN	Wool Fiberglass Production	No
40 CFR 63 Subpart OOO	Manufacture of Amino/Phenolic Resins	No
40 CFR 63 Subpart PPP	Polyether Polyols Production	No
40 CFR 63 Subpart QQQ	Primary Copper	No
40 CFR 63 Subpart RRR	Secondary Aluminum Production	No
40 CFR 63 Subpart TTT	Primary Lead Smelting	No
40 CFR 63 Subpart UUU	Petroleum Refineries (catalytic cracking, catalytic reforming and sulfur plant units)	No
40 CFR 63 Subpart VVV	Publicly Owned Treatment Works	No
40 CFR 63 Subpart XXX	Ferroalloy Production	No
40 CFR 63 Subpart AAAA	Municipal Solid Waste (MSW) Landfills	No
40 CFR 63 Subpart CCCC	Manufacturing of Nutritional Yeast	No
40 CFR 63 Subpart DDDD	Plywood and Composite Wood Products	No
40 CFR 63 Subpart EEEE	Organic Liquids Distribution (non-gasoline)	No
40 CFR 63 Subpart FFFF	Misc. Organic Chemical Manufacturing (MON)	No
40 CFR 63 Subpart GGGG	Solvent Extraction for Vegetable Oil Production	No
40 CFR 63 Subpart HHHH	Wetted Formed Fiberglass Mat Production	No
40 CFR 63 Subpart IIII	Automobile and Light Duty Trucks (surface coating)	No
40 CFR 63 Subpart JJJJ	Paper & Other Web Coatings (paper, plastic, film, foil, etc.)	No
40 CFR 63 Subpart KKKK	Metal Cans (Surface Coating)	No
40 CFR 63 Subpart MMMM	Misc. Metal Parts and Products (Surface Coating)	No
40 CFR 63 Subpart NNNN	Large Appliance (surface coating)	No
40 CFR 63 Subpart OOOO	Fabric Printing, Coating and Dyeing	No
40 CFR 63 Subpart PPPP	Plastic Parts and Products (Surface Coating)	No
40 CFR 63 Subpart QQQQ	Wood Building Products (surface coating)	No
40 CFR 63 Subpart RRRR	Metal Furniture (surface coating)	No
40 CFR 63 Subpart SSSS	Metal Coil (surface coating)	No
40 CFR 63 Subpart TTTT	Leather Finishing Operations	No
40 CFR 63 Subpart UUUU	Cellulose Production Manufacturing	No

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<b>APPLICABILITY DETERMINATION</b>		
<b>Citation</b>	<b>Regulation</b>	<b>Applicable (Yes / No)</b>
40 CFR 63 Subpart VVVV	Boat Manufacturing	No
40 CFR 63 Subpart WWWW	Reinforced Plastics Composites Production	No
40 CFR 63 Subpart XXXX	Tire Manufacturing	Yes
40 CFR 63 Subpart YYYY	Combustion Turbines	No
40 CFR 63 Subpart ZZZZ	Reciprocating Internal Combustion Engines (RICE)	Yes
40 CFR 63 Subpart AAAAA	Lime Manufacturing	No
40 CFR 63 Subpart BBBB	Semiconductor Manufacturing	No
40 CFR 63 Subpart CCCCC	Coke Ovens: Pushing, Quenching and Battery Stacks	No
40 CFR 63 Subpart DDDDD	Industrial, Commercial, and Institutional Boilers and Process Heaters	Yes
40 CFR 63 Subpart EEEEE	Iron and Steel Foundries	No
40 CFR 63 Subpart FFFFF	Integrated Iron and Steel	No
40 CFR 63 Subpart GGGGG	Site Remediation	No
40 CFR 63 Subpart HHHHH	Misc. Coating Manufacturing	No
40 CFR 63 Subpart IIII	Mercury Cell Chlor-Alkali Plants	No
40 CFR 63 Subpart JJJJ	Brick and Structural Clay Products Manufacturing	No
40 CFR 63 Subpart KKKKK	Clay Ceramic Manufacturing vacated	No
40 CFR 63 Subpart LLLLL	Asphalt Roofing and Asphalt Processing vacated	No
40 CFR 63 Subpart MMMMM	Flexible Polyurethane Foam Fabrication Operation	No
40 CFR 63 Subpart NNNNN	Hydrochloric Acid Production and Fumed Silica Production	No
40 CFR 63 Subpart PTTTT	Engine Test Cells/Stands	No
40 CFR 63 Subpart QQQQQ	Friction Materials Manufacturing	No
40 CFR 63 Subpart RRRRR	Taconite Iron Ore Processing	No
40 CFR 63 Subpart SSSSS	Refractory Products Manufacturing	No
40 CFR 63 Subpart TTTTT	Primary Magnesium Refining	No
40 CFR 63 Subpart WWWW	Hospital Ethylene Oxide Sterilizers	No
40 CFR 63 Subpart YYYYY	Area Sources: Electric Arc Furnace Steelmaking Facilities	No
40 CFR 63 Subpart ZZZZZ	Area Sources: Iron and Steel Foundries	No
40 CFR 63 Subpart BBBB	Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities	No
40 CFR 63 Subpart CCCCC	Gasoline Dispensing Facilities	No
40 CFR 63 Subpart DDDDD	Polyvinyl Chloride and Copolymers Production Area Sources	No
40 CFR 63 Subpart EEEEE	Primary Copper Smelting Area Sources	No
40 CFR 63 Subpart FFFFF	Secondary Copper Smelting Area Sources	No
40 CFR 63 Subpart GGGGG	Primary Nonferrous Metals Processing Area Sources	No
40 CFR 63 Subpart HHHHH	Paint Stripping & Miscellaneous Surface Coating Operations at Area Sources	No
40 CFR 63 Subpart LLLLL	Acrylic and Modacrylic Fibers Production Area Sources	No
40 CFR 63 Subpart MMMMM	Carbon Black Production Area Sources	No
40 CFR 63 Subpart NNNNN	Chromium Compound Chemical Manufacturing Area Sources	No
40 CFR 63 Subpart OOOOO	Flexible Polyurethane Foam Production & Fabrication Area Sources	No
40 CFR 63 Subpart PTTTT	Lead Acid Battery Manufacturing Area Sources	No
40 CFR 63 Subpart QQQQQ	Wood Preserving Area Sources	No
40 CFR 63 Subpart RRRRR	Clay Ceramics Manufacturing Area Sources	No
40 CFR 63 Subpart SSSSS	Glass Manufacturing Area Sources	No
40 CFR 63 Subpart TTTTT	Secondary Nonferrous Metals Processing Area Sources	No
40 CFR 63 Subpart VVVVV	Chemical Manufacturing Area Sources	No

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<b>APPLICABILITY DETERMINATION</b>		
<b>Citation</b>	<b>Regulation</b>	<b>Applicable (Yes / No)</b>
40 CFR 63 Subpart WWWWWW	Plating and Polishing Area Sources	No
40 CFR 63 Subpart XXXXXX	Nine Metal Fabrication and Finishing Source Categories	No
40 CFR 63 Subpart YYYYYY	Ferroyalloys Production Facilities Area Sources	No
40 CFR 63 Subpart ZZZZZZ	Aluminum, Copper, and Other Nonferrous Foundries	No
40 CFR 63 Subpart AAAAAA	Asphalt Processing and Asphalt Roofing Manufacturing	No
40 CFR 63 Subpart BBBBBB	Chemical Preparations Industry Area Sources	No
40 CFR 63 Subpart CCCCCC	Paints and Allied Products Manufacturing	No
40 CFR 63 Subpart DDDDDDD	Prepared feeds Manufacturing Area Sources	No
40 CFR 64	Compliance Assurance Monitoring	Yes
40 CFR 68	Risk Management Programs Under Section 112(r)	No