## REQUEST FOR TECHNICAL CHANGE

AGENCY: Environmental Management Commission

RULE CITATION: 15A NCAC 02B .0269 (pending transfer to 15A NCAC 02R .0601)

**DEADLINE FOR RECEIPT: Friday, April 10, 2015** 

<u>NOTE WELL:</u> This request when viewed on computer extends several pages. Please be sure you have reached the end of the document.

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made. Approval of any rule is contingent upon making technical changes as set forth in G.S. 150B-21.10.

Line 10, capitalize "subchapter"

Lines 18 through 20, is the intent of this language to incorporate the outside material in accordance with G.S 150B-21.6? If so, please add language to clarify the incorporation, indicate if future editions are included, and where the information is located, along with cost.

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

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# SECTION .0600 - RIPARIAN BUFFER RESTORATION FUND

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#### 15A NCAC 02B .0269 15A NCAC 02R .0601 RIPARIAN BUFFER MITIGATION FEES TO THE NC ECOSYSTEM ENHANCEMENT PROGRAM

The following is the process for payment of fees to the Riparian Buffer Restoration Fund administered by the North Carolina Ecosystem Enhancement Program as one option to mitigate riparian buffer impacts allowed under rules in this Subchapter 15A NCAC 02B. Persons who wish to use this option shall first meet the criteria established for doing so in the buffer rules in-this-subchapter 15A NCAC 02B that reference this Rule. Such buffer rules include, but may not be limited to 15A NCAC 02B .0242, .0244, .0260, and .0268 .0295. Persons who choose to satisfy their mitigation determination by paying a compensatory mitigation fee to the Riparian Buffer Restoration Fund as allowed here shall use the following procedure:

- (1) SCHEDULE OF FEES: The amount of payment into the Fund shall be based on the costs of riparian buffer restoration. The payment amount shall be determined by multiplying the acres or square feet of mitigation required under other rules in this-Subchapter 15A NCAC 02B by an initial value of ninety-six cents per square foot or forty-one thousand eight hundred and eighteen dollars per acre (\$41,818/acre). This initial per-acre rate shall be adjusted in January of each year by staff of the NC Ecosystem Enhancement Program based upon the construction cost index factor published every December in the Engineering News Record.
- The required fee shall be submitted to the N.C. Ecosystem Enhancement Program (NC EEP), 1652 (2) Mail Service Center, Raleigh, NC 27699-1652 prior to any activity that results in the removal or degradation of the protected riparian buffer for which a "no practical alternatives" determination has been made pursuant to requirements of other rules in this Subchapter 15A NCAC 02B.
- 25 (3) The payment of a compensatory mitigation fee may be fully or partially satisfied by donation of 26 real property interests pursuant to requirements of other rules in this Subchapter.

28 History Note: Authority G S. 143-214.1; 143-214.5; 143-214.5(i); 143-214.7; 143-214.12; 143-214.21; 143-29

215.3(a)(1); 143-215.6A; 143-215.6B; 143-215.6C; 143 215.8B; 143B-282(c); 143B-282(d); S.L.

2005-190; S.L. 2006-259;

31 Eff. August 11, 2009;

32 Amended Eff. May 1, 2015.

## **REQUEST FOR TECHNICAL CHANGE**

AGENCY: Environmental Management Commission

RULE CITATION: 15A NCAC 02Q .0711

### **DEADLINE FOR RECEIPT:**

<u>NOTE WELL:</u> This request when viewed on computer extends several pages. Please be sure you have reached the end of the document.

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made. Approval of any rule is contingent upon making technical changes as set forth in G.S. 150B-21.10.

Line 4; and page 4, line 2, replace "is" with "shall be"

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

15A NCAC 02Q .0711 is amended as published in 29:08 NCR 928-934 as follows:

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# 15A NCAC 02Q .0711 EMISSION RATES REQUIRING A PERMIT

(a) A permit to emit toxic air pollutants is required for any facility where one or more emission release points are

5 obstructed or non-vertically oriented whose actual rate of emissions from all sources are greater than any one of the

6 following toxic air pollutant permitting emissions rates:

		Chronic	Acute	
Pollutant (CAS Number)	Carcinogens	Toxicants	Systemic	Acute Irritants
			Toxicants	
	lb/yr	lb/day	lb/hr	lb/hr
acetaldehyde (75-07-0)				6.8
acetic acid (64-19-7)				0.96
acrolein (107-02-8)				0.02
acrylonitrile (107-13-1)		0.4	0.22	
ammonia (7664-41-7)				0.68
aniline (62-53-3)			0.25	
arsenic and inorganic arsenic compounds	0.053			
asbestos (1332-21-4)	5.7 X 10 <sup>-3</sup>			
aziridine (151-56-4)		0.13		
benzene (71-43-2)	8.1			
benzidine and salts (92-87-5)	0.0010			
benzo(a)pyrene (50-32-8)	2.2			
benzyl chloride (100-44-7)			0.13	
beryllium (7440-41-7)	0.28			
beryllium chloride (7787-47-5)	0.28			
beryllium fluoride (7787-49-7)	0.28			
beryllium nitrate (13597-99-4)	0.28			
bioavailable chromate pigments,	0.0056			
as chromium (VI) equivalent				
bis-chloromethyl ether (542-88-1)	0.025			
bromine (7726-95-6)				0.052
1,3-butadiene (106-99-0)	11			
cadmium (7440-43-9)	0.37			
cadmium acetate (543-90-8)	0.37			
cadmium bromide (7789-42-6)	0.37			

carbon disulfide (75-15-0)		3.9		
carbon tetrachloride (56-23-5)	460			
chlorine (7782-50-5)		0.79		0.23
chlorobenzene (108-90-7)		46		
chloroform (67-66-3)	290			
chloroprene (126-99-8)		9.2	0.89	
cresol (1319-77-3)			0.56	
p-dichlorobenzene (106-46-7)				16.8
dichlorodifluoromethane (75-71-8)		5200		
dichlorofluoromethane (75-43-4)		10		
di(2-ethylhexyl)phthalate (117-81-7)		0.63		
dimethyl sulfate (77-78-1)		0.063		
1,4-dioxane (123-91-1)		12		
epichlorohydrin (106-89-8)	5600			
ethyl acetate (141-78-6)			36	
ethylenediamine (107-15-3)		6.3	0.64	
ethylene dibromide (106-93-4)	27			
ethylene dichloride (107-06-2)	260			
ethylene glycol monoethyl ether (110-80-5)		2.5	0.48	
ethylene oxide (75-21-8)	1.8			
ethyl mercaptan (75-08-1)			0.025	
fluorides		0.34	0.064	
formaldehyde (50-00-0)				0.04
hexachlorocyclopentadiene (77-47-4)		0.013	0.0025	
hexachlorodibenzo-p-dioxin (57653- 85-7)	0.0051			
n-hexane (110-54-3)		23		
hexane isomers except n-hexane				92
hydrazine (302-01-2)		0.013		
hydrogen chloride (7647-01-0)				0.18
hydrogen cyanide (74-90-8)		2.9	0.28	
hydrogen fluoride (7664-39-3)		0.63		0.064
hydrogen sulfide (7783-06-4)		1.7		
maleic anhydride (108-31-6)		0.25	0.025	
manganese and compounds		0.63		
manganese cyclopentadienyl tricarbonyl		0.013		
(12079-65-1)				

manganese tetroxide (1317-35-7)		0.13		
mercury, alkyl		0.0013		
mercury, aryl and inorganic compounds		0.013		
mercury, vapor (7439-97-6)		0.013		
methyl chloroform (71-55-6)		250		64
methylene chloride (75-09-2)	1600		0.39	
methyl ethyl ketone (78-93-3)		78		22.4
methyl isobutyl ketone (108-10-1)		52		7.6
methyl mercaptan (74-93-1)			0.013	
nickel carbonyl (13463-39-3)		0.013		
nickel metal (7440-02-0)		0.13		
nickel, soluble compounds, as nickel		0.013		
nickel subsulfide (12035-72-2)	0.14			
nitric acid (7697-37-2)				0.256
nitrobenzene (98-95-3)		1.3	0.13	
n-nitrosodimethylamine (62-75-9)	3.4			
non-specific chromium (VI) compounds, as	0.0056			
chromium (VI) equivalent				
pentachlorophenol (87-86-5)		0.063	0.0064	
perchloroethylene (127-18-4)	13000			
phenol (108-95-2)			0.24	
phosgene (75-44-5)		0.052		
phosphine (7803-51-2)				0.032
polychlorinated biphenyls (1336-36-3)	5.6			
soluble chromate compounds, as chromium		0.013		
(VI) equivalent				
styrene (100-42-5)			2.7	
sulfuric acid (7664-93-9)		0.25	0.025	
tetrachlorodibenzo-p-dioxin (1746- 01-6)	0.00020			
1,1,1,2-tetrachloro-2,2,-difluoroethane		1100		
(76-11-9)				
1,1,2,2-tetrachloro-1,2-difluoroethane		1100		
(76-12-0)				
1,1,2,2-tetrachloroethane (79-34-5)	430			
toluene (108-88-3)		98		14.4

toluene diisocyanate,2,4-(584-84-9) and 2,6-		0.003		
(91-08-7) isomers				
trichloroethylene (79-01-6)	4000			
trichlorofluoromethane (75-69-4)			140	
1,1,2-trichloro-1,2,2-trifluoroethane				240
(76-13-1)				
vinyl chloride (75-01-4)	26			
vinylidene chloride (75-35-4)		2.5		
xylene (1330-20-7)		57		16.4

(b) A permit to emit toxic air pollutants is required for any facility where all emission release points are unobstructed and vertically oriented whose actual rate of emissions from all sources are greater than any one of the following toxic air pollutant permitting emissions rates:

		Chronic	Acute	
Pollutant (CAS Number)	Carcinogens	Toxicants	Systemic	Acute Irritants
			Toxicants	
	lb/yr	lb/day	lb/hr	lb/hr
acetaldehyde (75-07-0)				28.43
acetic acid (64-19-7)				3.90
acrolein (107-02-8)				0.08
acrylonitrile (107-13-1)		1.3	1.05	
ammonia (7664-41-7)				2.84
aniline (62-53-3)			1.05	
arsenic and inorganic arsenic compounds	0.194			
asbestos (1332-21-4)	7.748 x 10 <sup>-3</sup>			
aziridine (151-56-4)		0.3		
benzene (71-43-2)	11.069			
benzidine and salts (92-87-5)	1.384 x 10 <sup>-3</sup>			
benzo(a)pyrene (50-32-8)	3.044			
benzyl chloride (100-44-7)			0.53	
beryllium (7440-41-7)	0.378			
beryllium chloride (7787-47-5)	0.378			
beryllium fluoride (7787-49-7)	0.378			
beryllium nitrate (13597-99-4)	0.378			
bioavailable chromate pigments,	0.008			

as chromium (VI) equivalent				
bis-chloromethyl ether (542-88-1)	0.034			
bromine (7726-95-6)				0.21
1,3-butadiene (106-99-0)	40.585			
cadmium (7440-43-9)	0.507			
cadmium acetate (543-90-8)	0.507			
cadmium bromide (7789-42-6)	0.507			
carbon disulfide (75-15-0)		7.8		
carbon tetrachloride (56-23-5)	618.006			
chlorine (7782-50-5)		1.6		0.95
chlorobenzene (108-90-7)		92.7		
chloroform (67-66-3)	396.631			
chloroprene (126-99-8)		18.5	3.69	
cresol (1319-77-3)			2.32	
p-dichlorobenzene (106-46-7)				69.50
dichlorodifluoromethane (75-71-8)		10445.4		
dichlorofluoromethane (75-43-4)		21.1		
di(2-ethylhexyl)phthalate (117-81-7)		1.3		
dimethyl sulfate (77-78-1)		0.1		
1,4-dioxane (123-91-1)		23.6		
epichlorohydrin (106-89-8)	7655.891			
ethyl acetate (141-78-6)			147.41	
ethylenediamine (107-15-3)		12.6	2.63	
ethylene dibromide (106-93-4)	36.896			
ethylene dichloride (107-06-2)	350.511			
ethylene glycol monoethyl ether (110-80-5)		5.1	2.00	2.00
ethylene oxide (75-21-8)	2.490			
ethyl mercaptan (75-08-1)			0.11	
fluorides		0.7	0.26	
formaldehyde (50-00-0)				0.16
hexachlorocyclopentadiene (77-47-4)		2.5 x 10 <sup>-2</sup>	0.01	
hexachlorodibenzo-p-dioxin (57653- 85-7)	0.007			
n-hexane (110-54-3)		46.3		
hexane isomers except n-hexane				379.07
hydrazine (302-01-2)		2.5 x 10 <sup>-2</sup>		
hydrogen chloride (7647-01-0)				0.74

hydrogen fluoride (7664-39-3)   1.3   1.3   0.26     hydrogen sulfide (7783-06-4)   5.1   5.1     maleice anhydride (108-31-6)   0.5   0.11     manganese and compounds   1.3   1.3     manganese cyclopentationyl tricarbonyl (12079-65-1)   1.3     manganese cyclopentationyl tricarbonyl (12079-65-1)   1.3     manganese tetroxide (1317-35-7)   0.3   1.4     mercury, alkyl   2.5 x 10 <sup>-3</sup>   1.4     mercury, varyl and inorganic compounds   2.5 x 10 <sup>-2</sup>   1.79     merbul chlorofrom (71-55-6)   2.5 x 10 <sup>-2</sup>   1.79     methyl chlorofrom (71-55-6)   213.752   1.79     methyl etholride (75-09-2)   2213.752   1.79     methyl ethoride (75-09-2)   2213.752   1.79     methyl isobutyl ketone (108-10-1)   107.8   31.59     methyl mercaptan (74-93-1)   107.8   31.59     methyl mercaptan (74-93-1)   107.8   31.59     mickel aarbonyl (13463-39-3)   2.5 x 10 <sup>-2</sup>   1.05     nickel subsulfide (12035-72-2)   0.194   1.05     nitrodenzene (98-95-3)   2.5 x 10 <sup>-2</sup>   1.05     n-nitrosodimethylamine (62-75-9)   4.612   1.05     n-nitrosodimethylamine (62-75-9)   4.612   1.00     n-nitrosodimethylamine (62-75-9)   4.612   1.00     perchloroethylene (127-18-4)   17525.534   1.00     phosphine (780-51-2)   1.00   1.00     phospene (75-44-5)   0.1   1.00     phosphine (780-51-2)   1.00     phosphine (780-51-2)   1.00   1.00     phosphine (780-51-2)   1.10   1.10     phosphine (780-65)   2.6 x 10 <sup>-2</sup>   1.10     phosphine (780-65)   2.6 x 10 <sup>-2</sup>   1.10     phosphine (780-65)   2.6 x 10 <sup>-2</sup>   1.10     phosphine (780-65)   2.76 x 10 <sup>-4</sup>   1.11     phosphine (780-65)   2.76 x 10 <sup>-4</sup>   1.11     phosphine (780-65)   2.76 x 10 <sup>-4</sup>   1.11     phosphine (780-65)   2.76	hydrogen cyanide (74-90-8)		5.9	1.16	
maleic anhydride (108-31-6)	hydrogen fluoride (7664-39-3)		1.3		0.26
manganese and compounds         1.3             manganese cyclopentadienyl tricarbonyl (12079-65-1)         2.5 x 10 <sup>-2</sup> mercury, alkyl         0.3             mercury, aryl and inorganic compounds         2.5 x 10 <sup>-2</sup> mercury, vapor (7439-97-6)         505.4         257.98           methyl chloroform (71-55-6)         505.4         1.79           methyl chloroform (74-59-2)         2213.752         1.79           methyl ethyl ketone (108-10-1)         107.8         31.59           methyl mercaptan (74-93-1)         107.8         31.59           methyl mercaptan (74-93-1)         0.05         1.05           nickel carbonyl (13463-39-3)         2.5 x 10 <sup>-2</sup> 1.05           nickel, soluble compounds, as nickel         2.5 x 10 <sup>-2</sup> 1.05           nickel subsulfide (12035-72-2)         0.194         1.05           nitric acid (7697-37-2)         2.5         0.53         1.05           niritobenzene (98-95-3)         2.5         0.53         1.05           n-nitrosodimethylamine (62-75-9)         4.612         1.00         1.05           non-specific chromium (V1) compounds, as chromium (V1) equivalent         1.7525.534	hydrogen sulfide (7783-06-4)		5.1		
Managanese cyclopentadienyl tricarbonyl (12079-65-1)	maleic anhydride (108-31-6)		0.5	0.11	
(12079-65-1)	manganese and compounds		1.3		
manganese tetroxide (1317-35-7)         0.3                     mercury, alkyl         2.5 x 10 <sup>-3</sup>             mercury, aryl and inorganic compounds         2.5 x 10 <sup>-2</sup>             mercury, vapor (7439-97-6)         2.5 x 10 <sup>-2</sup>             methyl chloroform (71-55-6)         505.4         257.98           methylene chloride (75-09-2)         2213.752         1.79           methyl ethyl ketone (78-93-3)         155.8         93.19           methyl isobutyl ketone (108-10-1)         107.8         31.59           methyl mercaptan (74-93-1)         0.05                     nickel carbonyl (13463-39-3)         2.5 x 10 <sup>-2</sup>             nickel metal (7440-02-0)         0.3                     nickel, soluble compounds, as nickel         2.5 x 10 <sup>-2</sup>             nickel subsulfide (12035-72-2)         0.194                     nitric acid (7697-37-2)         1.05                     nitrobenzene (98-95-3)         2.5         0.53                     n-nitrosodimethylamine (62-75-9)         4.612                               non-specific chromium (VI) compounds, as chromium (VI) equivalent   perchloroethylene (127-18-4)         17525.534	manganese cyclopentadienyl tricarbonyl		2.5 x 10 <sup>-2</sup>		
mercury, alkyl	(12079-65-1)				
mercury, aryl and inorganic compounds mercury, vapor (7439-97-6) methyl chloroform (71-55-6) methylene chloride (75-09-2) methyl ethyl ketone (78-93-3) methyl isobutyl ketone (108-10-1) mickel carbonyl (13463-39-3) mickel metal (7440-02-0) mickel, soluble compounds, as nickel mickel subsulfide (12035-72-2) nitric acid (7697-37-2) nitric benzene (98-95-3) n-nitrosodimethylamine (62-75-9) phospenie (78-94-5) phosphine (78-95-2) phosphine (7803-51-2) phosphine (7803-51-2) polychlorinated biphenyls (1336-36-3) sulfuric acid (7664-93-9) sulfuric acid (7664-93-9) sulfuric acid (7664-93-9) sulfuric acid (7664-93-9) soluble chromate compounds, as chromium (VI) equivalent styrene (100-42-5) sulfuric acid (7664-93-9) soluble chromate compounds, as chromium (VI) equivalent styrene (100-42-5) sulfuric acid (7664-93-9) soluble chromate compounds, as chromium (VI) equivalent styrene (100-42-5) sulfuric acid (7664-93-9) soluble chromate compounds, as chromium (VI) equivalent styrene (100-42-5) sulfuric acid (7664-93-9) soluble chromate compounds, as chromium (VI) equivalent styrene (100-42-5) sulfuric acid (7664-93-9) soluble chromate compounds, as chromium (VI) equivalent styrene (100-42-5) sulfuric acid (7664-93-9) soluble chromate compounds, as chromium (VI) equivalent	manganese tetroxide (1317-35-7)		0.3		
mercury, vapor (7439-97-6) methyl chloroform (71-55-6) methylene chloride (75-09-2) methyl ketone (78-93-3) methyl isobutyl ketone (108-10-1) methyl mercaptan (74-93-1) methyl mercaptan (74-93-1) mickel carbonyl (13463-39-3) mickel metal (7440-02-0) mickel subsulfide (12035-72-2) mitric acid (7697-37-2) mitrobenzene (98-95-3) n-nitrosodimethylamine (62-75-9) mon-specific chromium (VI) compounds, as chromium (VI) equivalent phosphine (7803-51-2) phosphine (7803-51-2) phosphine (7803-51-2) phosphine (7803-51-2) polychlorinated biphenyls (1336-36-3) soluble chromate compounds, as chromium (VI) equivalent styrene (100-42-5) sulfuric acid (7664-93-9)  2.5 x 10 <sup>-2</sup> 1.79 1.79 1.79 1.79 1.79 1.79 1.79 1.79	mercury, alkyl		2.5 x 10 <sup>-3</sup>		
methyl chloroform (71-55-6)	mercury, aryl and inorganic compounds		2.5 x 10 <sup>-2</sup>		
methylene chloride (75-09-2) methyl ethyl ketone (78-93-3) methyl isobutyl ketone (108-10-1) methyl mercaptan (74-93-1) methyl mercaptan (74-93-1) mickel carbonyl (13463-39-3) mickel metal (7440-02-0) mickel, soluble compounds, as nickel mickel subsulfide (12035-72-2) mitric acid (7697-37-2) mitric acid (7697-37-2) mitrobenzene (98-95-3) n-nitrosodimethylamine (62-75-9) mon-specific chromium (VI) compounds, as chromium (VI) equivalent pentachlorophenol (87-86-5) perchloroethylene (127-18-4) phosphine (7803-51-2) phosphine (7803-51-2) polychlorinated biphenyls (1336-36-3) soluble chromate compounds, as chromium (VI) equivalent styrene (100-42-5) sulfuric acid (7664-93-9)  2213.752 1.079 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.8 11.16 15.5 15.8 11.16 15.8 11.16 15.8 11.16 15.8 11.16 15.8 11.16	mercury, vapor (7439-97-6)		2.5 x 10 <sup>-2</sup>		
methyl ethyl ketone (78-93-3)  methyl isobutyl ketone (108-10-1)  methyl mercaptan (74-93-1)  nickel carbonyl (13463-39-3)  nickel metal (7440-02-0)  nickel, soluble compounds, as nickel  nickel subsulfide (12035-72-2)  nitric acid (7697-37-2)  n-nitrosodimethylamine (62-75-9)  non-specific chromium (VI) compounds, as chromium (VI) equivalent  pentachlorophenol (87-86-5)  perchloroethylene (127-18-4)  phosphine (7803-51-2)  polychlorinated biphenyls (1336-36-3)  soluble chromate compounds, as chromium (VI) equivalent  styrene (100-42-5)  sulfuric acid (7664-93-9)  107.8	methyl chloroform (71-55-6)		505.4		257.98
methyl isobutyl ketone (108-10-1)  methyl mercaptan (74-93-1)  nickel carbonyl (13463-39-3)  nickel metal (7440-02-0)  nickel, soluble compounds, as nickel  nickel subsulfide (12035-72-2)  nitric acid (7697-37-2)  nitric acid (7697-37-2)  n-nitrosodimethylamine (62-75-9)  non-specific chromium (VI) compounds, as chromium (VI) equivalent  pentachlorophenol (87-86-5)  phospene (75-44-5)  phosphine (7803-51-2)  polychlorinated biphenyls (1336-36-3)  sulfuric acid (7664-93-9)  107.8  107.8  107.8  107.8  107.8  108.3  109.3  100.3  100.5  100.5  100.6  100.6  100.7  100.6  100.7	methylene chloride (75-09-2)	2213.752		1.79	
methyl mercaptan (74-93-1)  nickel carbonyl (13463-39-3)  nickel metal (7440-02-0)  nickel, soluble compounds, as nickel  nickel subsulfide (12035-72-2)  nitric acid (7697-37-2)  nitric acid (7697-37-2)  nitriobenzene (98-95-3)  n-nitrosodimethylamine (62-75-9)  non-specific chromium (VI) compounds, as chromium (VI) equivalent  pentachlorophenol (87-86-5)  perchloroethylene (127-18-4)  phospene (75-44-5)  phosphine (7803-51-2)  phosphine (7803-51-2)  polychlorinated biphenyls (1336-36-3)  soluble chromate compounds, as chromium (VI) equivalent  styrene (100-42-5)  sulfuric acid (7664-93-9)  0.05  0.05  0.05  0.05  0.05  0.05	methyl ethyl ketone (78-93-3)		155.8		93.19
nickel carbonyl (13463-39-3)  nickel metal (7440-02-0)  nickel, soluble compounds, as nickel  nickel subsulfide (12035-72-2)  nitric acid (7697-37-2)  ntricobenzene (98-95-3)  n-nitrosodimethylamine (62-75-9)  non-specific chromium (VI) compounds, as chromium (VI) equivalent  pentachlorophenol (87-86-5)  perchloroethylene (127-18-4)  phospene (75-44-5)  phosphine (7803-51-2)  phosphine (7803-51-2)  soluble chromate compounds, as chromium (VI) equivalent  ptyrene (100-42-5)  sulfuric acid (7664-93-9)  2.5 x 10 <sup>-2</sup> 0.19  1.05  1.05  1.05  1.00  1.	methyl isobutyl ketone (108-10-1)		107.8		31.59
nickel metal (7440-02-0)  nickel, soluble compounds, as nickel  nickel subsulfide (12035-72-2)  nitric acid (7697-37-2)  nitric acid (7697-37-2)  n-nitrosodimethylamine (62-75-9)  non-specific chromium (VI) compounds, as chromium (VI) equivalent  pentachlorophenol (87-86-5)  phospene (75-44-5)  phosphine (7803-51-2)  soluble chromate compounds, as chromium (VI) equivalent  styrene (100-42-5)  sulfuric acid (7664-93-9)  0.3  0.3  0.3  0.3  0.19  1.05  1.05  1.05  1.05  1.00  0.1  0.1	methyl mercaptan (74-93-1)			0.05	
nickel, soluble compounds, as nickel       2.5 x 10-2         nickel subsulfide (12035-72-2)       0.194         nitric acid (7697-37-2)       1.05         nitrobenzene (98-95-3)       2.5       0.53         n-nitrosodimethylamine (62-75-9)       4.612	nickel carbonyl (13463-39-3)		2.5 x 10 <sup>-2</sup>		
nickel subsulfide (12035-72-2)  nitric acid (7697-37-2)  nitric acid (7697-37-2)  nitrobenzene (98-95-3)  n-nitrosodimethylamine (62-75-9)  non-specific chromium (VI) compounds, as chromium (VI) equivalent  pentachlorophenol (87-86-5)  perchloroethylene (127-18-4)  phosgene (75-44-5)  phosphine (7803-51-2)  polychlorinated biphenyls (1336-36-3)  soluble chromate compounds, as chromium (VI) equivalent  styrene (100-42-5)  sulfuric acid (7664-93-9)  0.194  1.05  1.05  1.05  1.00  1.0	nickel metal (7440-02-0)		0.3		
nitric acid (7697-37-2)  nitric acid (7697-37-2)  n-nitrosodimethylamine (62-75-9)  n-nitrosodimethylamine (62-75-9)  non-specific chromium (VI) compounds, as chromium (VI) equivalent  pentachlorophenol (87-86-5)  perchloroethylene (127-18-4)  phenol (108-95-2)  phosgene (75-44-5)  phosphine (7803-51-2)  polychlorinated biphenyls (1336-36-3)  soluble chromate compounds, as chromium (VI) equivalent  styrene (100-42-5)  sulfuric acid (7664-93-9)  1.05  1.05  1.06  1.07  1.08  1.09  1.09  1.00  1	nickel, soluble compounds, as nickel		2.5 x 10 <sup>-2</sup>		
nitrobenzene (98-95-3)  n-nitrosodimethylamine (62-75-9)  4.612  non-specific chromium (VI) compounds, as chromium (VI) equivalent  pentachlorophenol (87-86-5)  perchloroethylene (127-18-4)  phenol (108-95-2)  phosgene (75-44-5)  phosphine (7803-51-2)  polychlorinated biphenyls (1336-36-3)  soluble chromate compounds, as chromium (VI) equivalent  styrene (100-42-5)  sulfuric acid (7664-93-9)  2.5  0.53  0.10  0.03  0.03  0.03  0.03  0.03  0.11  0.03  0.11  0.04  0.14  0.14  0.14  0.14  0.14  0.16  0.17  0.18  0.19  0.19  0.10  0.11	nickel subsulfide (12035-72-2)	0.194			
n-nitrosodimethylamine (62-75-9)  4.612  non-specific chromium (VI) compounds, as chromium (VI) equivalent  pentachlorophenol (87-86-5)  perchloroethylene (127-18-4)  phenol (108-95-2)  phospene (75-44-5)  phosphine (7803-51-2)  polychlorinated biphenyls (1336-36-3)  soluble chromate compounds, as chromium (VI) equivalent  styrene (100-42-5)  sulfuric acid (7664-93-9)  4.612  4.612  4.612  0.10  0.03  1.00  1.00  0.11	nitric acid (7697-37-2)				1.05
non-specific chromium (VI) compounds, as chromium (VI) equivalent  pentachlorophenol (87-86-5)  perchloroethylene (127-18-4)  phenol (108-95-2)  phosgene (75-44-5)  phosphine (7803-51-2)  polychlorinated biphenyls (1336-36-3)  soluble chromate compounds, as chromium (VI) equivalent  styrene (100-42-5)  sulfuric acid (7664-93-9)  0.008  0.10  0.03  1.00  0.11  0.03  0.03  0.04  0.10  0.10  0.14  0.14  0.14  0.16  0.16  0.17  0.18  0.19  0.19  0.10  0.10  0.11	nitrobenzene (98-95-3)		2.5	0.53	
chromium (VI) equivalent       0.1       0.03         pentachlorophenol (87-86-5)       0.1       0.03         perchloroethylene (127-18-4)       17525.534	n-nitrosodimethylamine (62-75-9)	4.612			
pentachlorophenol (87-86-5)  perchloroethylene (127-18-4)  phenol (108-95-2)  phosgene (75-44-5)  phosphine (7803-51-2)  polychlorinated biphenyls (1336-36-3)  soluble chromate compounds, as chromium  (VI) equivalent  styrene (100-42-5)  sulfuric acid (7664-93-9)  0.1  0.00  1.00  0.10  0.03  1.00  0.11	non-specific chromium (VI) compounds, as	0.008			
perchloroethylene (127-18-4)  phenol (108-95-2)  phosgene (75-44-5)  phosphine (7803-51-2)  polychlorinated biphenyls (1336-36-3)  soluble chromate compounds, as chromium  (VI) equivalent  styrene (100-42-5)  sulfuric acid (7664-93-9)  1.00  0.11  0.14  0.14  1.16  0.15	chromium (VI) equivalent				
phenol (108-95-2) phosgene (75-44-5)  phosphine (7803-51-2)  polychlorinated biphenyls (1336-36-3)  soluble chromate compounds, as chromium  (VI) equivalent  styrene (100-42-5)  sulfuric acid (7664-93-9)  1.00  0.1  0.14  0.14  2.6 x 10 <sup>-2</sup> 11.16	pentachlorophenol (87-86-5)		0.1	0.03	
phosgene (75-44-5)  phosphine (7803-51-2)  polychlorinated biphenyls (1336-36- 3)  soluble chromate compounds, as chromium  (VI) equivalent  styrene (100-42-5)  sulfuric acid (7664-93-9)  0.1  0.1  0.14  0.14  0.14  0.16  1.16  0.16  0.17  0.17  0.18  0.19  0.19  0.10	perchloroethylene (127-18-4)	17525.534			
phosphine (7803-51-2)	phenol (108-95-2)			1.00	
polychlorinated biphenyls (1336-36- 3) 7.656  soluble chromate compounds, as chromium (VI) equivalent  styrene (100-42-5) 11.16  sulfuric acid (7664-93-9) 0.5 0.11	phosgene (75-44-5)		0.1		
soluble chromate compounds, as chromium (VI) equivalent  styrene (100-42-5)  sulfuric acid (7664-93-9)  2.6 x 10 <sup>-2</sup> 11.16  0.5  0.11	phosphine (7803-51-2)				0.14
(VI) equivalent       11.16         styrene (100-42-5)       11.16         sulfuric acid (7664-93-9)       0.5       0.11	polychlorinated biphenyls (1336-36-3)	7.656			
styrene (100-42-5) 11.16 sulfuric acid (7664-93-9) 0.5 0.11	soluble chromate compounds, as chromium		2.6 x 10 <sup>-2</sup>		
sulfuric acid (7664-93-9) 0.5 0.11	(VI) equivalent				
	styrene (100-42-5)			11.16	
tetrachlorodibenzo-p-dioxin (1746- 01-6) 2.767 x 10 <sup>-4</sup>	sulfuric acid (7664-93-9)		0.5	0.11	
	tetrachlorodibenzo-p-dioxin (1746- 01-6)	2.767 x 10 <sup>-4</sup>			

1,1,1,2-tetrachloro-2,2,-difluoroethane		2190.2		
(76-11-9)				
1,1,2,2-tetrachloro-1,2-difluoroethane		2190.2		
(76-12-0)				
1,1,2,2-tetrachloroethane (79-34-5)	581.110			
toluene (108-88-3)		<u>197.96</u>		58.97
toluene diisocyanate,2,4-(584-84-9) and 2,6-		8.4 x 10 <sup>-3</sup>		
(91-08-7) isomers				
trichloroethylene (79-01-6)	5442.140			
trichlorofluoromethane (75-69-4)			589.66	
1,1,2-trichloro-1,2,2-trifluoroethane				1000.32
(76-13-1)				
vinyl chloride (75-01-4)	35.051			
vinylidene chloride (75-35-4)		5.1		
xylene (1330-20-7)		113.7		68.44

(c) For the following pollutants, the highest emissions occurring for any 15-minute period shall be multiplied by four and the product shall be compared to the value in Paragraph (a) or (b) as applicable. These pollutants are:

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4 (1) acetaldehyde (75-07-0);
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13 (10) nitric acid (7697-37-2).

15 History Note: Authority G.S. 143-215.3(a)(1); 143-215-107; 143-215.108; 143B-282;

Rule originally codified as part of 15A NCAC 02H .0610;

17 Eff. July 1, 1998;

18 Amended Eff. May 1, 2015; May 1, 2014; January 1, 2010; June 1, 2008; April 1, 2005;

7

19 February 1, 2005; April 1, 2001.

<sup>5 (2)</sup> acetic acid (64-19-7);

<sup>(3)</sup> acrolein (107-02-8);

<sup>7 (4)</sup> ammonia (7664-41-7);

<sup>8 (5)</sup> bromine (7726-95-6);