1 15A NCAC 02D .1204 is amended without notice pursuant to G.S. 150B-21.5(a) as follows: 2 3 15A NCAC 02D .1204 SEWAGE SLUDGE INCINERATION UNITS 4 (a) Applicability. This Rule shall apply to sewage sludge incineration units that meet all three requirements listed in 5 40 CFR 60.5060(a) through (c). 6 (b) The provisions of this Rule shall apply to any incinerator subject to this Rule. However, when the provisions of 7 this Rule and provisions of 15A NCAC 02D .0524, .1110, or .1111 or provisions of 40 CFR Part 61, Subpart C; 40 CFR Part 61, Subpart E; or 40 CFR Part 503, Subpart E, regulate the same pollutant, the provisions of the more 8 9 restrictive standards established in Paragraphs (e) and (f) of this Rule shall apply, notwithstanding provisions of 15A 10 NCAC 02D .0524, .1110, or .1111 or provisions of 40 CFR Part 61, Subpart C; 40 CFR Part 61, Subpart E; or 40 CFR 11 Part 503, Subpart E to the contrary. 12 (c) Exemptions. Sewage sludge incineration units shall be exempted from this Rule if they are subject to: 13 40 CFR Part 60 Subpart LLLL by: 14 commencing construction after October 14, 2010; or (A) 15 (B) commencing modification after September 21, 2011; or 16 (2) Rule 15A NCAC 02D .1210, if they are not located at a wastewater treatment facility designed to 17 treat domestic sewage sludge as defined in 40 CFR 60.5065. 18 (d) Definitions. For the purpose of this Rule, the definitions in 40 CFR 503.41, 40 CFR 60.5250, and 40 CFR 60.2 19 shall apply in addition to the definitions in 15A NCAC 02D .1202. 20 (e) Emission Standards. Any incinerator subject to this Rule shall comply with all of the following emission standards: 21 Emissions of particulate matter from a sewage sludge incineration unit shall meet the requirements (1) 22 established in 40 CFR 60.5165 or 40 CFR 60.152 as defined in Paragraph (b) of this Rule. 23 (2) Fugitive emissions from a sewage sludge incineration unit ash handling process shall meet the 24 requirements established in 40 CFR 60.5165. All other visible emissions from a sewage sludge 25 incineration unit shall comply with 15A NCAC 02D .0521. 26 (3) Emissions of hydrogen chloride from a sewage sludge incineration unit shall meet the requirements 27 established in 40 CFR 60.5165. 28 (4) Emissions of carbon monoxide from a sewage sludge incineration unit shall meet the requirements 29 established in 40 CFR 60.5165. 30 (5) Emissions of dioxin and furan (total mass basis) from a sewage sludge incineration unit shall meet 31 the requirements established in 40 CFR 60.5165. 32 Emissions of dioxin and furan (toxic equivalency basis) from a sewage sludge incineration unit shall (6) 33 meet the requirements established in 40 CFR 60.5165. 34 Emissions of mercury from a sewage sludge incineration unit shall meet the requirements (7)

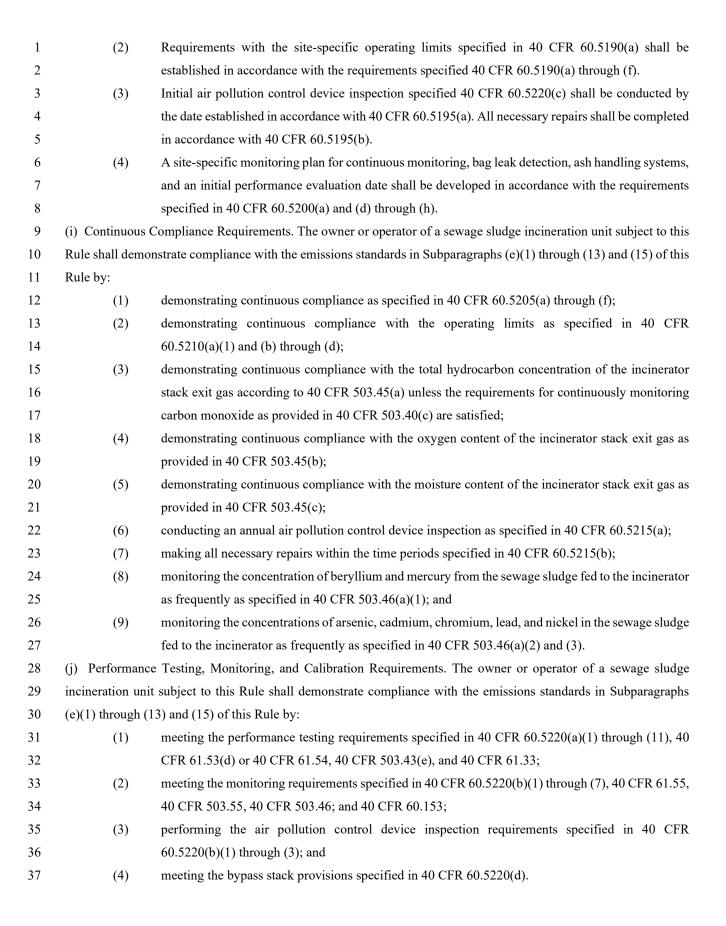
established in 40 CFR 60.5165 and in 40 CFR 61.52(b) as referenced in 15A NCAC 02D .1110(a),

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(d), and (e).

1	(8)	Emissions of nitrogen oxides from a sewage sludge incineration unit shall meet the requirements		
2		established in 40 CFR 60.5165.		
3	(9)	Emissions of sulfur dioxide from a sewage sludge incineration unit shall meet the requirements		
4		established in 40 CFR 60.5165.		
5	(10)	Emissions of cadmium from a sewage sludge incineration unit shall meet the requirements		
6		established in 40 CFR 60.5165.		
7	(11)	Emissions of lead from a sewage sludge incineration unit shall meet the requirements established in		
8		40 CFR 60.5165. The daily concentration of lead in sewage sludge fed to a sewage sludge incinerator		
9		shall meet the requirements specified in 40 CFR 503.43(c).		
10	(12)	Emissions of beryllium from a sewage sludge incineration unit shall meet the requirements		
11		established in 40 CFR 61.32(a) through (c) as referenced in 15A NCAC 02D .1110(a), (d), and (e).		
12	(13)	The daily concentration of arsenic, cadmium, chromium, and nickel in sewage sludge fed to a		
13		sewage sludge incinerator shall meet the requirements specified in 40 CFR 503.43(d).		
14	(14)	Emissions of toxic air pollutants from a sewage sludge incineration unit shall meet the requirements		
15		specified in 15A NCAC 02D .1100 in accordance with 15A NCAC 02Q .0700.		
16	(15)	The monthly average concentration for total hydrocarbons, or for carbon monoxide as provided in		
17		40 CFR 503.40(c), in the exit gas from a sewage sludge incinerator stack, corrected to zero percent		
18		moisture and seven percent oxygen as specified in 40 CFR 503.44, shall not exceed 100 parts per		
19		million on a volumetric basis using the continuous emission monitoring required in Paragraph $(1)(\underline{k})$		
20		of this Rule.		
21	(f) Operating limits. The owner or operator of a sewage sludge incineration unit shall meet:			
22	(1)	as applicable, the operating limits and requirements specified in 40 CFR 60.5170 including		
23		Subparagraphs (a) through (d) and (h) according to the schedule specified in 40 CFR 60.5170(e);		
24	(2)	the operating limits and requirements specified in 40 CFR 60.5170 including Subparagraphs (a)		
25		through (d) by the final compliance date specified in Paragraph (o)(n) of this Rule;		
26	(3)	monitor the feed rate and moisture content of the sewage sludge fed to the sewage sludge incinerator,		
27		as specified in 40 CFR 60.5170(f)(1) and (f)(2); and		
28	(4)	the operating requirements in 40 CFR 60.5170(a) through (d) and (h) shall meet any new operating		
29		limits, re-established in accordance with 40 CFR 60.5210.		
30	(g) Emission and operational standards and limits established in Paragraphs (e) and (f) of this Rule and in accordance			
31	with provisions in Paragraph (b) of this Rule shall apply at all times that sewage sludge is in the combustion chamber			
32	before the sewage sludge feed to the combustor is cut off for a period of time not less than the sewage sludge			
33	incineration residence time and during periods of malfunction as specified in 40 CFR 60.5180.			
34	(h) Initial Compliance:			
35	(1)	Requirements with the emission standards specified in the Paragraph (e) of this Rule shall be		
36		demonstrated by using the procedures specified in 40 CFR 60.5185(a) through (e).		



1	(k) The owner or operator of a sewage sludge incineration unit, subject to this Rule, shall install, operate, calibrate,					
2	and maintain the continuous parameter monitoring systems to ensure compliance with the operational limits set forth					
3	in Paragraph (f) of this Rule as specified in 40 CFR 503.45, 40 CFR 60.5225 (a)(1), (2), and 40 CFR 60.153.					
4	(l) Recordkeeping and Reporting. The owner or operator of a sewage sludge incineration unit subject to this Rule					
5	shall:					
6	(1)	mainta	ain on site in either paper copy or electronic format that can be printed upon request for a			
7		period	of five years the following;			
8		(A)	the calendar date of each record as specified in 40 CFR 60.5230(a);			
9		(B)	increments of progress as specified in 40 CFR 60.5230(b);			
10		(C)	operator training records as specified in 40 CFR 60.5230(c)(1) through (4);			
11		(D)	air pollution control device inspections as specified in 40 CFR 60.5230(d);			
12		(E)	performance test reports as specified in 40 CFR 60.5230(e)(1) through (4);			
13		(F)	continuous monitoring data as specified in 40 CFR 60.5230(f)(1) through (4) and 40 CFR			
14			60.153;			
15		(G)	other records for continuous monitoring systems as specified in 40 CFR 60.5230(g)(1)			
16			through (3) and 40 CFR 60.153;			
17		(H)	deviation reports as specified in 40 CFR 60.5230(h);			
18		(I)	equipment specifications and operation and maintenance requirements as specified in 40			
19			CFR 60.5230(i);			
20		(J)	inspections, calibrations, and validation checks of monitoring devices as specified in 40			
21			CFR 60.5230(j);			
22		(K)	monitoring plan and performance evaluations for continuous monitoring systems as			
23			specified in 40 CFR 60.5230(k);			
24		(L)	records indicating use of the bypass stack as specified in 40 CFR 60.5230(m);			
25		(M)	malfunction occurrence records shall as specified in 40 CFR 60.5230(n); and			
26		(N)	records showing compliance with standards for the use or disposal of sewage sludge listed			
27			in 40 CFR 503.47(b) through (n).			
28	(2)	Subm	it to the Director in the format specified in 40 CFR 60.5235(h)(1) and by due dates established			
29		in Table 6 of 40 CFR Part 60 Subpart MMMM the following:				
30		(A)	the initial compliance report as specified in 40 CFR 60.5235(b);			
31		(B)	the annual compliance report as specified in 40 CFR 60.5235(c);			
32		(C)	deviation reports (deviations from emission limits, emission standards, or operating limits,			
33			as specified in 40 CFR 60.5235(e)(1)) when it is required by 40 CFR 60.5235(d);			
34		(D)	notification of qualified operator deviation and notification of status of qualified operator			
35			deviation as specified in 40 CFR 60.5235(e)(1);			
36		(E)	notification of resumed operation pursuant to 40 CFR 60.5155(b)(2)(i) following shutdown			
37			(due to qualified operator deviation) as specified in 40 CFR 60.5235(e)(2):			

1		(F) notification of a force majeure as specified in 40 CFR 60.5235(f);		
2		(G) notification of intent to start or stop use of a continuous monitoring system, notification of		
3		intent to conduct a performance test, and notification of intent to conduct a rescheduled		
4		performance test as specified in 40 CFR 60.5235(g);		
5		(H) performance test relative accuracy audit data (test reference method) and performance test		
6		data in the manner specified in 40 CFR 60.5235(h)(2); and		
7		(I) semiannual reports as specified in 40 CFR 60.155.		
8	(3)	With the Director's approval, the owner or operator may change the semiannual or annual reporting		
9		dates of the reports listed in Subparagraph $\frac{(m)(2)(1)(2)}{(m)(2)(1)(2)}$ of this Rule in accordance with the		
10		procedures established in 40 CFR 60.19(c) pursuant to 40 CFR 60.5235(i).		
11	(m) Operator T	Training and Qualification.		
12	(1)	A sewage sludge incineration unit subject to this Rule shall not be operated unless a fully trained		
13	. ,	and qualified sewage sludge incineration unit operator is at the facility or can be at the facility within		
14		one hour. The trained and qualified sewage sludge incineration unit operator may operate the sewage		
15		sludge incineration unit directly or be the direct supervisor of one or more other plant personnel who		
16		operate the unit. If all qualified sewage sludge incineration unit operators are temporarily not		
17		accessible, the procedures in 40 CFR 60.5155 shall apply.		
18	(2)	Operator training and qualification shall be obtained by completing the requirements specified in 40		
19		CFR 60.5130(c).		
20	(3)	The owner or operator of a sewage sludge incineration unit subject to this Rule shall complete an		
21		annual review or refresher course covering the five topics specified in 40 CFR 60.5145(a) through		
22		(e) to maintain an operator qualification.		
23	(4)	The owner or operator of a sewage sludge incineration unit subject to this Rule shall renew a lapsed		
24		operator qualification before he or she begins operation of the unit by one of the two methods		
25		specified in 40 CFR 60.5150(a) and (b).		
26	(5)	When a qualified operator of a sewage sludge incineration unit subject to this Rule is not at the		
27		facility and cannot be at the facility within one hour, the owner shall meet the criteria specified in		
28		40 CFR 60.5155.		
29	(6)	The owner or operator of a sewage sludge incineration unit subject to this Rule shall maintain and		
30		review the operator training documentation as specified in 40 CFR 60.5160 (a) and (b).		
31	(n) Final comp	liance. The owner or operator of a sewage sludge incineration unit subject to this Rule shall achieve		
32	final compliance	the by the dates specified in 40 CFR 60.5035(a) or (b).		
33				
34	History Note:	Authority G.S. 143-215.3(a)(1); 143-215.107(a)(4),(5);		
35		Eff. October 1, 1991;		
36		Amended Eff. June 1, 2008; August 1, 2002; July 1, 2000; July 1, 1999; July 1, 1998; July 1, 1996;		
37		April 1, 1995; December 1, 1993;		

- 1 Readopted Eff. March 1, 2018.2018;
- 2 <u>Amended Eff.</u>