

1 15A NCAC 13B .0840 is proposed for amendment as follows:

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3 **15A NCAC 13B .0840 SAMPLING AND ANALYSIS**

4 (a) Monitoring or sample analysis required by this Section, and all costs involved, are the responsibility of the septage  
5 management firm, site operator, or ~~the~~ owner of the wastewater system, as appropriate. This includes all costs of  
6 ~~analysis of sampling, collection, handling, and analysis of samples testing.~~

7 (b) The permit holder of a septage land application site shall arrange for ~~annual~~-representative soil samples to be taken  
8 once every two years from each field at the permitted site during the last quarter of ~~each the~~ calendar year.

9 (c) Soil samples shall be taken ~~annually~~-once every two years from each area designated as a separate field of a  
10 permitted septage land application site and analyzed for cation exchange capacity, pH, phosphorus, potassium,  
11 ~~calcium~~calcium, manganese, magnesium, zinc, and copper. If the results for zinc analysis are equal to or above 30  
12 pounds per acre or the results for copper analysis are equal to or above 35 pounds per acre, analysis for the metals  
13 listed in Part (c)(10)(B) of Rule .0835 of this Section shall be required.~~Analysis for other metals shall be required~~  
14 ~~when zinc levels reach 30 pounds per acre or copper levels reach 35 pounds per acre.~~ Sites permitted to receive  
15 ~~septage, septage~~ other than domestic ~~septage, septage~~ shall be sampled once every two years~~annually~~ to determine  
16 compliance with 40 CFR 257.3-5, 40 CFR 257.3-6.

17 (d) Domestic septage and grease septage shall be monitored in accordance with 40 CFR Part 503.16(b).

18 (e) Domestic treatment plant septage proposed to be land applied at a permitted septage land application site shall be  
19 sampled before the initial application, and annually thereafter, prior to being removed from a treatment facility for the  
20 following:

21 (1) Metals ~~addressed~~listed in 40 CFR 503.13; and

22 (2) Total solids, pH, ammonia, nitrates, total ~~kjeldahl~~kjeldahl nitrogen (TKN), biochemical oxygen  
23 demand (BOD), chemical oxygen demand (COD), total phosphorus, potassium, ~~sodium~~sodium,  
24 and magnesium.

25 (f) Industrial or commercial ~~septage, septage~~ or commercial treatment plant ~~septage, septage~~ proposed to be land  
26 applied at a permitted septage land application ~~site, site~~ shall be sampled prior to being removed from a wastewater  
27 system. Analytical results shall be submitted to the Division ~~for consideration~~ prior to the issuance of a permit or  
28 approval to land apply the septage. Analysis shall be conducted for:

29 (1) Metals ~~addressed~~listed in 40 CFR 503.13;

30 (2) Total solids, pH, ammonia, nitrates, TKN, BOD, COD, total phosphorus, potassium, ~~sodium~~  
31 sodium, and magnesium; and

32 (3) Organic chemicals, using a complete Toxicity Characteristic Leaching Procedure or other  
33 appropriate sampling, such as EPA Test numbers ~~8240-8260~~ or 8270, unless an examination of the  
34 industrial process and the material used indicates less extensive analysis is acceptable.

35 (g) Sample analysis required by this Section shall be performed by a laboratory certified for waste analysis. Analysis  
36 shall be conducted in accordance with 40 CFR Part 503.8. Organic chemical analysis shall be conducted according

1 to Subparagraph (f)(3) of this Rule. Results from the North Carolina Department of Agriculture and Consumer  
2 Services laboratory ~~will~~ shall be accepted. ~~accepted where appropriate.~~

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4 *History Note: Authority G.S. 130A-291.1;*

5 *Eff. October 1, ~~2009~~ 2009;*

6 *Amended Eff. May 1, 2017.*