

15A NCAC 02T .1105 POLLUTANT LIMITS

(a) Residuals shall not be land applied if the concentration of any pollutant in the residuals exceeds the ceiling concentration for that pollutant as stipulated in the following on a dry weight basis:

Pollutant	Ceiling Concentration (milligrams per kilogram)
Arsenic	75
Cadmium	85
Copper	4,300
Lead	840
Mercury	57
Molybdenum	75
Nickel	420
Selenium	100
Zinc	7,500

(b) Class B residuals shall not be land applied if the application causes the cumulative pollutant loading rate, on a dry weight basis, to be exceeded for any pollutant as stipulated in the following:

Pollutant	Cumulative Pollutant Loading Rate (kilograms per hectare)
Arsenic	41
Cadmium	39
Copper	1,500
Lead	300
Mercury	17
Nickel	420
Selenium	100
Zinc	2,800

Compliance with the cumulative pollutant loading rates shall be determined using one of the following methods:

- (1) by calculating the existing cumulative level of pollutants using analytical data from all historical land application of residuals not otherwise exempted by this Paragraph; or
- (2) for land on which land application events of residuals has not occurred or for which the data required in Paragraph (b) of this Rule is incomplete, by determining background concentrations through representative soil sampling.

(c) Class A residuals shall not be applied if the concentration of any pollutant in the residuals exceeds the concentration for that pollutant, as stipulated in the following on a dry weight basis:

Pollutant	Monthly Average Concentration (milligrams per kilogram)
Arsenic	41
Cadmium	39
Copper	1,500
Lead	300
Mercury	17
Nickel	420
Selenium	100
Zinc	2,800

(d) Residuals shall not be placed in a surface disposal unit if the concentration of any pollutant in the residuals exceeds the concentration for that pollutant, as stipulated in the following on a dry weight basis:

Distance from Surface Disposal Unit Boundary to Closest Property Line (meters)	Ceiling Concentration (milligrams per kilogram)		
	Arsenic	Chromium	Nickel
0 to less than 25	30	200	210

25 to less than 50	34	220	240
50 to less than 75	39	260	270
75 to less than 100	46	300	320
100 to less than 125	53	360	390
125 to less than 150	62	450	420
greater than 150	73	600	420

*History Note: Authority G.S. 143-215.1; 143-215.3(a);
Eff. September 1, 2006;
Readopted Eff. September 1, 2018.*