GENERAL ASSEMBLY OF NORTH CAROLINA SESSION 2021

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HOUSE BILL 916 PROPOSED COMMITTEE SUBSTITUTE H916-PCS40646-BRa-19

	Short Title:	Wastewater Advanced Treatment Units.	(Public)			
	Sponsors:					
	Referred to:	Referred to:				
		May 11, 2021				
1		A BILL TO BE ENTITLED				
2	AN ACT TO	O ESTABLISH STANDARDS FOR ADVANCED TREATMENT	UNITS FOR			
3	MUNICI	PAL, COMMUNITY, OR PRIVATE WASTEWATER SYSTEMS.				
4		Assembly of North Carolina enacts:				
5	SI	ECTION 1. G.S. 143-215 is amended by adding a new subsection to a	read:			
6		he Commission shall adopt rules establishing standards for discharge				
7		or spray irrigation of highly treated wastewater. For purposes of this				
8	"highly treate	ed wastewater" means liquids discharged from a wastewater system,	as defined in			
9		34, that is in compliance with all applicable regulatory requirement				
10	designed and	l operated to meet the following standards:				
11	<u>(1</u>	1) With respect to biological oxygen demand, 10mg/L.				
12	<u>(2</u>	2) With respect to NH_3 , $10mg/L$.				
13	<u>(3</u>		ercent (60%)			
14		reduction from the influent total Kjeldahl nitrogen.				
15	<u>(4</u>	4) With respect to total phosphorus, 5mg/L, unless discharged	into nutrient			
16		sensitive waters.				
17	<u>(5</u>	5) With respect to fecal coliforms, 10 colonies/100mL.				
18	<u>(6</u>					
19		ECTION 2.(a) There is appropriated from the General Fund to the D	-			
20		tal Quality the sum of twenty million dollars (\$20,000,000) in nonrec	0			
21		2022 fiscal year to be allocated to the Wastewater Reserve for the Innov				
22		tewater Pilot Program established by this section. The Department m	• 1			
23		fifty thousand dollars (\$150,000) of the funds appropriated by this su				
24		ve costs. Funds appropriated by this section that are not spent or encumb	ered by June			
25	, ,	all revert to the General Fund.				
26		ECTION 2.(b) With the funds appropriated by this section, the De				
27		tal Quality shall establish the Innovative Highly Treated Wastewater P	-			
28		ivision of Water Infrastructure. To implement the Program, the Department	nent shall do			
29	the following					
30	(1					
31		G.S. 143-215(f), as enacted by Section 1 of this act, either as a s	-			
32		as a combination of treatment devices. The Department shall	-			
33		manufacturer of the wastewater system within five days of the	-			
34		under this subdivision to file with the Department a performance				
35		surety with a minimum term of five years to be executed in				
36		permittee in the amount sufficient to cover system replacemen	t. Operation,			



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1		maintenance, abuse, or change in hydraulic flows	or wastewater
2		characteristics shall not be attached to the performance bond	or surety.
3	(2)	Identify local governments, sanitary districts, or public author	rities considered
4		distressed, as defined by G.S. 159G-20, or that includ	e residential or
5		commercial developments or subdivisions that are unable	to be served by
6		existing wastewater systems.	
7	(3)	Work with the entities identified under subdivision (2) of the	nis subsection to
8		select, permit, and install at least four highly treated wastewa	ater systems.
9		TON 2.(c) This section becomes effective August 1, 2021.	
10		TON 3.(a) For purposes of this section, "highly treated was	•
11		al and multisite systems that meet residential or high str	0
12		ommission for Public Health shall adopt rules to establish star	
13		r systems under Article 11 of Chapter 130A of the General Stat	utes. These rules
14	shall include, at a	minimum, the following:	
15	(1)		as defined in
16		G.S. 130A-343(a)(7), from manufacturers of wastewate	•
17		certification and listing for one or more years from a nation	nally recognized
18		certification body, as defined in G.S. 130A-343(a)(6), sh	all be approved
19		within 45 days of receipt of a complete application. The prop	
20		system listed in the application shall be identical in design an	
21		wastewater system certified and listed by the nation	ally recognized
22		certification body.	
23	(2)	Applications for proposed wastewater systems without of	
24		listing from a nationally recognized certification body,	
25		G.S. 130A-343(a), shall be approved as provisional and	
26		issuance of a maximum of 200 improvement permits and a	
27		wastewater system construction. A minimum of 50 sites shall	
28		tested, as approved by the Department of Health and I	Human Services
29		(DHHS), and include a minimum of 200 data sets.	
30	(3)	Applications for Innovative status shall be approved (1) af	
31		certification and listing by a nationally recognized certificati	•
32		year of field data in this State or other states or countries app	•
33		or (2) if not listed by a nationally recognized body, after	-
34		provisional status requirements in accordance with G	
35		Innovative systems shall be identical to the system certified	•
36		the nationally recognized certification body and identical	•
37		installed in this State and approved by DHHS or other states	
38	(4)	All wastewater systems and dispersal products shall demon	
39		integrity, including subjecting the trench system to axle load of	
40		when covered with 12 inches of compacted soil and 4,00	-
41		subjected to 6 inches of compacted soil without collar	
42		nonrecovering compression. Wastewater treatment devices	
43		surface or above grade access for operation and maintenance	
44 45		from load testing when backfilled in accordance with the rul	es or the product
45 46		approval.	nd listing to .
46	(5)	Systems approved by DHHS and holding certification a	• •
47 48		nationally recognized body, such as National Sanitation Four	
48		350, or approved by DHHS with field demonstration over a	
49 50		as meeting reclaimed water standards shall be approved	-
50		eliminate repair area rules in Type I soils. Elimination of rep	air areas snall be
51		considered for domestic strength wastewater only.	

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1 2 3	(6) All vertical and horizontal restrictions to property lines an conditions shall be reduced proportionally to the graduated ir wastewater quality.	-
4	SECTION 3.(b) The Commission for Public Health and the Departmen	t of Health
5	and Human Services shall report quarterly on their implementation of this section be	ginning no
6	later than May 1, 2022, and shall continue until rulemaking activities required by t	his section
7 8	have been completed.	1 2022
8 9	SECTION 3.(c) Subsection (a) of this section becomes effective January SECTION 4.(a) G.S. 130A-39 reads as rewritten:	1, 2022.
10	"§ 130A-39. Powers and duties of a local board of health.	
11	(a) A local board of health shall have the responsibility to protect and promote	e the public
12	health. The board shall have the authority to adopt rules necessary for that purpose.	-
13	(b) A local board of health may adopt a more stringent rule in an area regula	•
14	Commission for Public Health or the Environmental Management Commission wh	
15 16	opinion of the local board of health, a more stringent rule is required to protect the put otherwise, the rules of the Commission for Public Health or the rules of the Env	
10	Management Commission shall prevail over local board of health rules. However, a	
18	of health may not adopt a rule concerning the grading, operating, and permitting of	
19	lodging facilities as listed in Part 6 of Article 8 of this Chapter and as	
20	G.S. 130A-247(1), and a local board of health may adopt rules concerning wastewater	
21	treatment and disposal systems which are not designed to discharge effluent to the la	
22	or surface waters only in accordance with G.S. 130A-335(c).or a rule concerning	
23 24	systems, as listed in Article 11 of this Chapter and defined in G.S. 130A-334, more strules adopted by the Commission for Public Health.	ingent than
2 4 25	Tues adopted by the commission for Fublic Health.	
26	SECTION 4.(b) G.S. 130A-335 reads as rewritten:	
27	"§ 130A-335. Wastewater collection, treatment and disposal; rules.	
28		
29	(c) A wastewater system subject to approval under rules of the Commission	
30 31	reviewed and approved under rules of a local board of health in the following circum (1) The local board of health, on its own motion, has requested the Dep	
31	review its proposed rules concerning wastewater systems; and	partment to
33	(2) The local board of health has adopted by reference the wastewa	ater system
34	rules adopted by the Commission, with any more stringent modif	
35	additions deemed necessary by the local board of health to protect	
36	health. Local boards of health shall use historical experience to	
37	modifications or additions to rules established by the Commission	,
38 39	(3) The Department has found that the rules, including modifications c to the Commission's rules of the level heard of health	
39 40	to the Commission's rules, <u>rules</u> of the local board of health wastewater collection, treatment and disposal systems are at least a	-
41	as rules adopted by the Commission and are sufficient and ne	-
42	safeguard the public health.	
43	"	
44	SECTION 5. Except as otherwise specified, this act is effective when	it becomes
45	law.	