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2001 Regular Session
11r0989

By: Delegate Morhaim

Introduced and read first time: January 29, 2001

Assigned to: Environmental Matters

#### A BILL ENTITLED

4	4 % T		•
	$\Delta N$	A( "I	concerning

### 2 Environment - Water Resources - Nitrogen Removal Technology Required

- 3 FOR the purpose of requiring counties to describe in their county water and sewer
- 4 plans, by a certain date, certain areas of special concern in which nitrogen
- 5 removal technology is required under certain circumstances; requiring the
- 6 Department of the Environment to adopt rules and regulations that require that
- 7 nitrogen removal technology be installed on certain individual sewage disposal
- 8 systems under certain circumstances; prohibiting the Department from
- 9 requiring nitrogen removal technology on certain renovation or reconstruction
- projects with existing on-site sewage disposal systems; defining certain terms;
- and generally relating to sewerage systems.
- 12 BY repealing and reenacting, with amendments,
- 13 Article Environment
- 14 Section 9-501, 9-505, and 9-510
- 15 Annotated Code of Maryland
- 16 (1996 Replacement Volume and 2000 Supplement)

#### 17 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF

18 MARYLAND, That the Laws of Maryland read as follows:

#### 19 Article - Environment

20 9-501.

- 21 (a) In this subtitle the following words have the meanings indicated.
- 22 (B) "AREAS OF SPECIAL CONCERN" MEANS THE FOLLOWING:
- 23 (1) AREAS OF FAILING ON-SITE SEWAGE DISPOSAL SYSTEMS;
- 24 (2) DRINKING WATER SUPPLY AREAS, INCLUDING:
- 25 (I) WELLHEAD PROTECTION AREAS;
- 26 (II) RESERVOIR PROTECTION AREAS; AND

24

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27

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32

25 litter.

[(e)]

[(f)]

[(g)]

28 only 1 lot.

(v)

"Litter" means any:

Waste material;

(2)

(F)

(G)

(H)

(1)

30 supplies water to only 1 lot.

Systematic collection and disposal of solid waste, including

"County plan" includes a revised or amended county plan.

"Individual sewerage system" means a sewerage system that serves

"Individual water supply system" means a water supply system that

1		(2)	Refuse	.,
2		(3)	Garba	ge;
3		(4)	Trash;	
4		(5)	Debris	;
5		(6)	Dead a	animal; or
6		(7)	Other	discarded material.
7	[(h)]	(I)	"Lot"	means a parcel of land, including a part of a subdivision, that:
8		(1)	Is used	l or is intended to be used as a building site; and
9		(2)	Is not	intended to be further subdivided.
10	[(i)]	(J)	"Multi	use sewerage system" means a sewerage system that:
11		(1)	Serves	only 1 lot;
12		(2)	Serves	a number of individuals;
13		(3)	Has a	treatment capacity of more than 5,000 gallons a day; and
14		(4)	Is not	publicly owned or operated.
15 16 s	[(j)] system that	(K)	"Multi	use water supply system" means an individual water supply
17 18 a	and	(1)	Has th	e capacity to supply more than 5,000 gallons of water a day;
19		(2)	Serves	a number of individuals.
20	[(k)]	(L)	(1)	"Proposed county plan" means a county plan that:
21			(i)	Has been adopted by the county governing body; and
22			(ii)	Has not been approved by the Department.
23 24 o	of the coun	(2) aty plan.	"Propo	osed county plan" includes any proposed amendment or revision
25	(M)	"NITD	OCEN I	DEMOVAL TECHNOLOGY" MEANS A SYSTEM ADDROVED

- 25 (M) "NITROGEN REMOVAL TECHNOLOGY" MEANS A SYSTEM APPROVED BY
- 26 THE DEPARTMENT CAPABLE OF RELIABLY ACHIEVING A NITROGEN REMOVAL
- 27 EFFICIENCY OF 60% OR GREATER.
- 28 (N) "ON-SITE SEWAGE DISPOSAL SYSTEMS" MEANS AN INDIVIDUAL
- 29 SEWERAGE SYSTEM, MULTIUSE SEWERAGE SYSTEM, OR A SHARED FACILITY
- 30 PROVIDING SEWERAGE SERVICE.

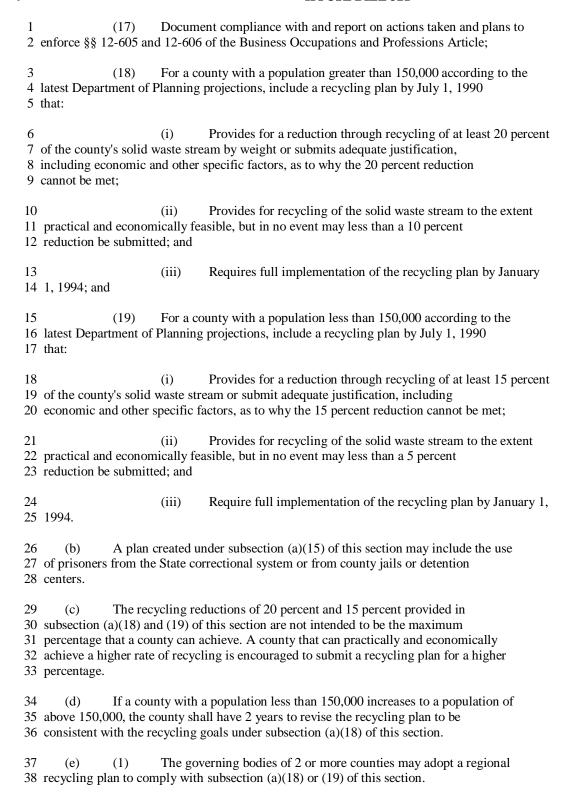
1 2	[(l)] (domestic wast	(O) te, or inc	_	e" means any human or animal excretion, street wash, raste.
3	[(m)]	(P)	(1)	"Sewerage system" means:
4 5	of sewage; and	d	(i)	The channels used or intended to be used to collect and dispose
6 7	collect or prep	are sew	(ii) age for d	Any structure and appurtenance used or intended to be used to ischarge into the waters of this State.
8	(	(2)	"Sewera	ge system" includes any sewer of any size.
9 10	building serve	(3) ed by the		ge system" does not include the plumbing system inside any ge system.
13 14	SERVES MC OF LAND, W	ORE TH VITH W CELS O	AN ONE ATER O	LITY" MEANS A WATER OR SEWERAGE SYSTEM WHICH LOT OF LAND, OR MORE THAN ONE USER ON A SINGLE LOT OR SEWERAGE SYSTEMS LOCATED ON THE INDIVIDUAL LOTS IN COMMON BY THE USERS OR THE CONTROLLING
	- 1 / -			vaste acceptance facility" means any sanitary landfill, plant whose primary purpose is to dispose of, treat, or
19 20	[(o)] (owned system	(S) n that:	(1)	"Solid waste disposal system" means any publicly or privately
21			(i)	Provides a scheduled or systematic collection of solid waste;
22 23	and		(ii)	Transports the solid waste to a solid waste acceptance facility;
24 25	acceptance fa	cility.	(iii)	Treats or otherwise disposes of the solid waste at the solid waste
26 27	,	(2) s used in		vaste disposal system" includes each solid waste acceptance ion with the solid waste disposal system.
28 29	- 1 / -	(T), for the	(1) purpose	"Subdivision" means any division of a tract or parcel of land into of sale or building development.
30	(	(2)	"Subdiv	ision" includes any change in street lines or lot lines.
31 32	more than 3 a	(3) acres, if		ision" does not include any division of land into parcels of on:
33			(i)	Is for agricultural purposes; and
34			(ii)	Does not involve any new street or easement of access.

1 2	[(q)] operated:	(U)	(1)	"Water supply system" means a publicly or privately owned or
3	for drinking	or domes	(i) tic purpo	Source and the surrounding area from which water is supplied ses; and
5 6	to prepare wa	ater for u	(ii) se or to d	Structure, channel, or appurtenance used or intended to be used eliver water to a consumer.
7 8	any building	(2) that is se		supply system" does not include the plumbing system inside he water supply system.
9	9-505.			
10 11	(a) shall:	In additi	ion to the	other requirements of this subtitle, each county plan
14		der § 3.03	consisten 5 of Artic	for the orderly expansion and extension of the following t with all county and local comprehensive plans lee 66B, § 5(X) of Article 25A, § 13 of Article 25B, and § e:
16 17	systems;		(i)	Community water supply systems and multiuse water supply
18 19	and		(ii)	Community sewerage systems and multiuse sewerage systems;
20 21	facilities;		(iii)	Solid waste disposal systems and solid waste acceptance
22 23	consistent w	(2) with the co		for the sizing and staging of facilities construction that is n;
24 25	using graphi	(3) ic and tab		ompliance with paragraphs (1) and (2) of this subsection by rmation;
26		(4)	Provide:	
	discharge of	any inac	(i) lequately	For sewage treatment facilities that are adequate to prevent the treated sewage or other liquid waste into any waters;
30 31	liquid waste	;	(ii)	Otherwise for safe and sanitary treatment of sewage and other
	solid waste pollution, w		ner that is	for facilities that are adequate to treat, recover, or dispose of consistent with the laws of this State that relate to air land use;
35		(6)	Contain	adequate information about:

1	or sewage treatment p	(1) plant servi	The existing sewage treatment capacity in each drainage basin ice area in the county;
3 4	drainage basin; and	(ii)	The present level of use of sewage treatment plants in each
5		(iii)	Projections for use of sewage treatment plant capacity based on:
6 7	county has subdivisio	n authori	1. Outstanding building permits and subdivision plats if the ty; or
8 9	subdivision authority;		2. Zoning commitments if the county does not have
12	plans, describe, with	nomic inf all practi	nto account all relevant planning, zoning, population, formation and all State, regional, municipal, and local cal precision, those parts of the county that reasonably in the next 10 years by any:
14		(i)	Community water supply system;
15		(ii)	Multiuse water supply system;
16		(iii)	Community sewerage system;
17		(iv)	Multiuse sewerage system;
18		(v)	Solid waste disposal system; and
19		(vi)	Solid waste acceptance facility;
	conforms to the time	requirem	edures for identifying and acquiring, on a time schedule that ent in paragraph (7) of this subsection, any at are necessary for any:
23		(i)	Community water supply system;
24		(ii)	Multiuse water supply system;
25		(iii)	Community sewerage system;
26		(iv)	Solid waste disposal system; or
27		(v)	Solid waste acceptance facility;
30	plans, describe, with	nomic inf all practi	nto account all relevant planning, zoning, population, formation and all State, regional, municipal, and local cal precision, any parts of the county in which it is not e service in the next 10 years by any:
32		(i)	Community water supply system;

1	(ii)	Multiuse water supply system;
2	(iii)	Community sewerage system;
3	(iv)	Multiuse sewerage system;
4	(v)	Solid waste disposal system; and
5	(vi)	Solid waste acceptance facility;
6 (10) 7 construction and ope		me schedule and a proposed method for financing the each planned:
8	(i)	Community water supply system;
9	(ii)	Multiuse water supply system;
10	(iii)	Community sewerage system;
11	(iv)	Solid waste disposal system; and
12	(v)	Solid waste acceptance facility;
13 (11) 14 planned:	Set for	th the estimated cost of constructing and operating each
15	(i)	Community water supply system;
16	(ii)	Multiuse water supply system;
17	(iii)	Community sewerage system;
18	(iv)	Solid waste disposal system; and
19	(v)	Solid waste acceptance facility;
20 (12)	Indicat	e:
21	(i)	Any source of supply from the waters of this State;
22 23 waters of this States	(ii) [and]	The approximate amount of water to be withdrawn from the
24 25 waters of this States	(iii) AND	The quantity and quality of waste to be discharged into the
26 27 SPECIAL CONCE	(IV) RN IN W	BEGINNING ON OR BEFORE OCTOBER 1, 2002, AREAS OF HICH NITROGEN REMOVAL TECHNOLOGY IS REQUIRED FOR:
28 29 SYSTEM FOR A N	IEW COI	1. INSTALLATION OF A NEW INDIVIDUAL SEWERAGE NSTRUCTION PROJECT; AND

	OR A NEW SHAREI CONSTRUCTION PI		2. INSTALLATION OF A NEW MULTIUSE SEWERAGE SYSTEM ITY PROVIDING SEWERAGE SERVICE FOR A NEW
4 5	(13) in the county where:	Describe	e, in accordance with the provisions of this subtitle, each area
6		(i)	A community water supply system must be provided;
7		(ii)	A multiuse water supply system may be installed and used;
8 9	for an interim period t	(iii) until a pla	An individual water supply system may be installed and used anned community water supply system is available;
10 11	indefinitely;	(iv)	An individual water supply system may be installed and used
12		(v)	A community sewerage system must be provided;
13		(vi)	A multiuse sewerage system may be installed and used;
	sewerage system may		Except as provided in § 9-517 of this subtitle, an individual lled and used for an interim period until a planned s available;
17 18	indefinitely;	(viii)	An individual sewerage system may be installed and used
19		(ix)	A community solid waste disposal system must be provided; or
	for use by residents of community solid was		A community solid waste acceptance facility must be provided cribed area during an interim period until a planned al system is available;
	or revision of the cou schedule adopted by	nty plan	as provided in § 9-515 of this subtitle, provide for amendment at least once every 2 years in accordance with a rtment;
26 27	(15) creating a workable p	_	te an appropriate agency of the county to be responsible for
28 29	including litter; and	(i)	To keep the environment of the county free of solid waste,
30 31	in the county;	(ii)	To prevent scenic pollution of both public and private property
32 33	(16) system as a separate of		1, 1987, treat each publicly owned community sewerage fiscal purposes within the local operating agency;



			h of the p	nal recycling plan which otherwise satisfies the requirements participating counties shall constitute the county which participates in the plan.
4	9-510.			
5 6	(a) Department		on to the	powers set forth elsewhere in this subtitle, the
7 8	subtitle; and	(1)	Conduct	surveys and research to carry out the provisions of this
9 10	that is inclu	(2) ded in an		the location for any sewage treatment facility discharge point plan.
	(B) ON A RENG SEWAGE I	OVATIO	N OR RE	ENT MAY NOT REQUIRE NITROGEN REMOVAL TECHNOLOGY ECONSTRUCTION PROJECT WITH AN EXISTING ON-SITE EM.
14 15	L( /J	(C) shall ado		on to the duties set forth elsewhere in this subtitle, the and regulations:
16		(1)	To carry	out the provisions of this subtitle;
17		(2)	To contr	rol, limit, or prohibit the installation and use of:
18			(i)	Water supply systems; and
19			(ii)	Sewerage systems;
20 21		(3) ndividual		re that, before installation of individual water supply e systems, consideration be given to:
22			(i)	Present and future population density;
23			(ii)	Size of parcels;
24			(iii)	Contour of the land;
25			(iv)	Porosity and absorbency of the soil;
26			(v)	Ground water conditions;
27			(vi)	Availability of water from unpolluted aquifers;
28			(vii)	Type of construction of community water supply systems;
29			(viii)	Type of construction of community sewerage systems;
30			(ix)	Size of the proposed development; and

1	(x) Any other pertinent factors;
	(4) To require that, giving consideration to the factors in item (3) of this subsection, areas be served by community facilities if the Department finds them to be reasonably necessary:
5 6	(i) By installation of the community water supply system, community sewerage system, or solid waste disposal system; and
	(ii) By connection of all premises to or service to all premises by the community water supply system, community sewerage system, or solid waste disposal system;
12	(5) To require that community water supply systems, community sewerage systems, and solid waste disposal systems be constructed to allow the connection of those systems to a larger system, if that larger system becomes available;
	(6) To allow a person to install an individual water supply system or an individual sewerage system in any area where a community water supply system or a community sewerage system is not available or required to be installed in the area if:
	(i) The Department finds that the individual system is adequate and safe for use before a community system is scheduled to be available in the area; and
	(ii) The individual system is constructed in the most economical and convenient way to permit connection to a community system in the area, and the person guarantees the connection to a community system:
23 24	1. When the county governing body where the area is located sets a time; and
25 26	2. In accordance with this subtitle, any rules and regulations adopted under this subtitle, and any other State law or county requirement by:
	A. Posting a bond to secure actual construction and installation of the systems with satisfactory surety for the benefit of the county governing body; or
30 31	B. Making any other arrangement that the Department considers necessary and adequate to carry out the provisions of this subtitle;
34	(7) If a solid waste disposal system is not available or required to be installed in any area as provided in item (4) of this subsection, to allow a person to provide a solid waste acceptance facility in the area without a systematic collection and transportation system;
36 37	(8) To require that, before issuance of a permit for construction of a community or multiuse sewerage system, a financial management plan sufficient to

- 1 ensure the dependable and safe operation of the system has been adopted within the 2 county plan and approved by the Department; [and] 3 (9) To require that: 4 Before issuance of a permit for construction of a privately owned (i) 5 community water supply system that will serve 4 or more residential lots or 2 or more 6 other lots, the applicant has proposed a financial management plan sufficient to 7 ensure the dependable and safe operation of the system, and the plan has been 8 approved by the Department; and 9 The applicant shall comply with the plan as approved by the (ii) 10 Department; AND TO REQUIRE NITROGEN REMOVAL TECHNOLOGY IN AREAS OF 11 (10)12 SPECIAL CONCERN.
- SECTION 2. AND BE IT FURTHER ENACTED, That this Act shall take effect 14 October 1, 2001.