

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Land Management Administration • Resource Management Program

Summary of Sewage Sludge Plant Available Nitrogen (PAN) Calculations For CY- 2025
 (Results of Sewage Sludge Analyses From 9/16/2022 to 9/15/2024 Used to calculate these rates)

Wastewater Treatment Plant	County	Sewage Sludge Type	Earliest Analysis	Latest Analysis	No. of Analyses	Organic Nitrogen	PAN K=1	PAN K=0.5	% P2O5	% K2O	% Solid Content	CCE
Annapolis	Anne Arundel											
Cake		LS	09/21/2022	07/17/2024	10	4.0639	26.59		3.8449	0.1804	25.67	21.71
Back River	Baltimore											
Cake		An Dig	09/30/2022	07/31/2024	22	4.8403	27.63		5.3815	0.2818	21.61	0.00
Ballenger Creek	Frederick											
Cake		LS	10/04/2022	08/06/2024	21	3.6324	23.22		3.4434	0.2263	27.03	18.65
Bowie	Prince George's											
Cake		LS	12/05/2022	04/29/2024	7	4.1324	25.58		4.3608	0.3255	19.09	23.96
Broadneck	Anne Arundel											
Cake		LS	09/20/2022	07/15/2024	11	4.4482	27.98		4.0944	0.2405	21.48	16.80
Broadwater	Anne Arundel											
Cake		LS	02/23/2023	05/21/2024	6	3.5033	21.72		2.7976	0.0924	31.48	33.97
Cox Creek	Anne Arundel											
Cake		LS	09/20/2022	07/17/2024	11	3.8488	24.37		2.6372	0.2561	24.68	21.94
Damascus	Montgomery											
Cake		LS	10/06/2022	07/02/2024	16	4.7131	31.78		5.7694	0.5252	19.48	53.85

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Deep Creek Lake	Garrett											
Cake		Ae Dig	10/12/2022	07/10/2024	3	2.0423	35.47		9.3737	0.3388	23.20	0.00
Dorsey Run Advanced	Anne Arundel											
Cake		LS	10/25/2022	07/02/2024	9	1.8460	15.75		3.0856	0.1987	22.79	24.48
Frederick	Frederick											
Cake		An Dig	09/21/2022	07/29/2024	12	5.8402	35.29		9.0035	0.2817	18.30	4.74
Freedom District	Carroll											
Cake		LS	10/25/2022	04/08/2024	7	2.9489	21.80		3.8923	0.2499	26.87	32.93
Grantsville	Garrett											
Liquid		Ae Dig	04/25/2023	04/09/2024	2	5.8010	43.09	39.19	2.7709	0.4866	1.80	0.00
Havre de Grace	Harford											
Cake		Ae Dig	10/28/2022	02/15/2024	5	3.9060	32.12		4.0808	0.3984	20.94	12.20
Leonardtown	St. Mary's											
Cake		Ae Dig	03/29/2023	08/05/2024	4	3.2097	27.06		4.1220	0.4830	38.70	1.75
Liquid		Ae Dig	10/26/2022	10/26/2022	1	1.9000	51.40	31.40	5.2670	0.4800	14.70	12.00
Little Patuxent	Howard											
Cake		An Dig	10/25/2022	06/13/2024	13	5.7122	37.80		7.5975	0.3253	58.89	2.95
Marlay-Taylor Water Reclamation Facility	St. Mary's											
Cake		An Dig	10/05/2022	04/03/2024	7	3.6711	32.12		3.8505	0.1486	21.70	0.00
Maryland City Water Reclamation Facility	Anne Arundel											
Cake		LS	02/21/2023	05/22/2024	6	4.8313	29.66		3.7174	0.4410	20.98	25.70

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Maryland Correctional Institution (MCI)	Washington											
Cake		LS	10/06/2022	07/09/2024	6	3.8675	28.49		4.0342	0.2287	19.60	23.78
Mattawoman	Charles											
Cake		LS	10/13/2022	05/08/2024	10	3.3551	25.43		2.1572	0.0889	40.42	24.50
Mount Airy	Carroll											
Cake		LS	10/31/2022	02/24/2024	6	4.6852	32.71		4.2441	0.4504	28.18	38.40
Mount Saint Mary's University	Frederick											
Liquid		Ae Dig	04/10/2023	02/15/2024	2	3.4870	49.18	45.95	3.6297	0.6456	0.90	0.00
Ocean City	Worcester											
Cake		LS	10/19/2022	06/17/2024	21	2.3280	15.94		2.1203	0.1828	45.32	57.70
Parkway	Prince George's											
Cake		LS	11/01/2022	07/02/2024	10	4.8544	31.04		3.9090	0.1354	26.58	40.50
Patuxent	Anne Arundel											
Cake		LS	09/21/2022	07/16/2024	12	5.0681	31.30		3.9693	0.3064	19.95	21.46
Piscataway	Prince George's											
Cake	**For Piscataway Aerobic Dig. cake, see page 5	LS	09/20/2022	06/04/2024	35	4.7588	29.79		3.6666	0.1183	24.91	23.03
QA 1-Kent Island	Queen Anne's											
Cake		Ae Dig	12/05/2022	05/20/2024	7	3.7669	30.95		7.5406	0.5669	18.33	0.00
Rock Hall	Kent											
Cake		Ae Dig	09/20/2022	09/20/2022	1	1.1800	7.08		6.0374	0.2509	22.00	0.00
Liquid		Ae Dig	06/12/2023	06/12/2023	1	0.0100	7.86	3.96	0.0127	0.3733	0.90	0.00

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Seneca Creek	Montgomery											
Cake		LS	09/20/2022	07/02/2024	34	5.7426	38.93		5.4374	0.5625	24.51	33.40
Sod Run	Harford											
Cake		An Dig	10/03/2022	07/08/2024	21	4.8417	32.68		6.3073	0.1274	22.10	0.00
Taneytown	Carroll											
Cake		Ae Dig	07/27/2023	06/14/2024	2	4.0859	36.20		6.1143	0.4464	18.80	0.00
Upper Potomac River Commission/Westernport	Allegany											
Cake		Ae Dig	06/20/2023	06/20/2023	1	3.0686	21.04		2.2900	0.0146	24.70	0.00
Valley Forge Sewage Authority	Outside of Maryland											
Cake		LS	10/04/2022	03/07/2023	4	4.0825	27.10		1.7290	0.1380	31.80	28.23
Wicomico Shores	St. Mary's											
Cake		Ae Dig	04/14/2023	03/12/2024	2	3.2867	26.99		2.1755	0.2400	47.10	0.00
WSSC Western Branch WRRF	Prince George's											
Cake		LS	11/03/2022	07/10/2024	11	5.6699	36.29		3.9596	0.2364	24.48	0.00

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Piscataway Cake	Prince George's	An Dig	07/30/2024	08/15/2024	3	3.7000	36.13		9.1753	0.1296	21.90	0.00

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