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Memorandum

TO: Directors of Environmental Health, Local Health Departments
Regional Engineers/Supervisors, Units of Local Government

FROM: Chad Moorman, LEHP, Program Manager, Private Sewage Disposal Program

DATE: June 23, 2022

SUBJECT: Chamber Sizing Update

This updates the June 28, 2018, memorandum regarding the sizing of chamber systems.

Design criteria for the installation of subsurface seepage chamber systems:

Manufacturer	Chamber System	Average Inside Bottom Dimension	Absorption Area Sq. Ft./Ln. Ft.
Infiltrator	BioDiffuser Bio 2 (Bio 2)	1.00 ft.	2.5
	ARC 24	1.60 ft.	4.0
	BioDiffuser Bio 3 (Bio 3)	1.60 ft.	4.0
	BioDiffuser Arc 36 (ARC 36)	2.43 ft.	5.0
	BioDiffuser Arc 36 LP (ARC 36 LP)	2.43 ft.	5.0
	BioDiffuser 11" Standard	2.22 ft.	5.0
	BioDiffuser Standard 1100BD	2.22 ft.	5.0
	Equalizer 24 (EQ 24)	1.00 ft.	2.5
	Equalizer 36 (EQ 36)	1.60 ft.	4.0
	Quick 4 Equalizer 24 (Quick4 EQ 24)	1.09 ft.	2.7
	Quick 4 Equalizer 36 (Quick4 EQ 36)	1.60 ft.	4.0
	Quick 4 Equalizer 36 StraightLock (Quick4 EQ 36 SL)	1.60 ft.	4.0
	Quick 4 Plus Equalizer 36 Low Profile (LP)	1.61 ft.	4.0
	Quick 4 Plus Standard LP (Q4+STD LP)	2.44 ft.	5.0
	Quick 4 Standard (Q4STD)	2.44 ft.	5.0
	Quick 4 Standard+ (Q4+STD)	2.44 ft.	5.0
	Quick 5 Equalizer 36	1.66 ft.	4.0
	Quick 5 Standard	2.3 ft.	5.0

The above mentioned company has provided the Department with the requested data to achieve the above standards. The Department will continue to evaluate other chamber systems as they are presented to the Department requesting approval.

Please make this information available to contractors operating within your jurisdiction.

If you have any questions you may contact the office at (217) 782-5830.