



Pat Quinn, Governor  
 Damon T. Arnold, M.D., M.P.H., Director

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Memorandum

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

FROM: Chad Moorman, LEHP *[Signature]*  
 Program Manger  
 Private Sewage Disposal Program

DATE: December 15, 2009

SUBJECT: Chamber Sizing Update

This updates the January 11, 2007 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.
Advanced Drainage Systems	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.	3.0
Hancor	EnviroChamber Pro 15 Narrow	1.00 ft.	2.5
	ARC 24	1.60 ft.	4.0
	EnviroChamber Pro 22 Narrow	1.60 ft.	4.0
	ARC EnviroChamber Pro (34.5")	2.43 ft.	3.0
Infiltrator	Equalizer 24 (EQ 24)	1.00 ft.	2.5
	Equalizer 36 (EQ 36)	1.60 ft.	4.0
	Quick4 Equalizer 24 (Quick4 EQ 24)	1.09 ft.	2.7
	Quick4 Equalizer 36 (Quick4 EQ 36)	1.60 ft.	4.0
	Quick4 Equalizer 36 StraightLock (Quick4 EQ 36 SL)	1.60 ft.	4.0
	Quick4 Plus Equalizer 36 Low Profile (LP)	1.61 ft.	4.0

The above mention companies have 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.