

Delaware Public Health District Division of Environmental Health

470 S Sandusky St, Delaware, OH 43015 Phone: (740) 368-1700 Fax: (740) 368-1736

Drip Design Plan Checklist _____ Property Owner:_____

Date Received: ______ Property Address

Indicates plan meets ODH & DPHD requirements	YES	NO	N/A
Site and Soil Survey			
Do the plans match the calculations			
Notes Required			
Designation in notes that the designer is available to make adjustments and address concerns, as			
needed			
O&M requirements noted or provided			
Designation of any other obstructions			
Designation in notes that homeowner has been informed of system options and cost			
Designation in notes to contact designer before making changes to the design			
Designation in notes for protection of primary and replacement areas			
Date designer and/or designee visited the site			
Installation instructions			
29-05			
Site review fee paid			
Plan review fee paid			
29-06			
No unapproved connections to STS (e.g. roof, foundation, clear water sump, swimming pool, etc.)			
System is non-discharging			
10' isolation distances (utility line, roadway, driveway, property line, right-of-way, sealed well, recorded easement,			
intermittent stream, swale, geothermal horizontal closed loop, irrigation line, GWRS, hardscape, etc.)			
50' isolation distances (surface water impoundment, lake, river, wetland, perennial stream, road cut-bank, stream cut-			
bank, water supply source, vertical open and closed loop geothermal, etc.)	_		<u> </u>
STS sited on lot	_		
STS not in floodway, or wetland	_		
If within 100 year flood plain, STS is below grade			
Sanitary sewer not accessible			
29-07		T	
Soils submitted by qualified individual			
Limiting conditions described and noted			
Depth to limiting layer adequate			
Depth to restrictive layer adequate			
Soil horizons and depth indicated			
Soil texture and structure of each horizon indicated			
Slope and contours indicated			
Basal loading rate and linear loading rate are appropriate for soils utilized			
Soil classifications			
Highly permeable soil identified			
29-10			
House plan provided (with bedrooms)			
Daily design flow (with anticipated variations)			
Plan view			
Rationale for design, if differing from standards		1	1
Description of treatment process		1	t

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Topography, scale, and north arrow provided		
Elevations (house, tanks, pumps, beginning/middle/end of distribution area etc.)		
Dimensions of property		
Pump info/pump curve		
Pressure distribution network with description and calculations		
Product info (Materials, Components, Tank Sizes, etc.)		
Length and width of treatment areas adequate		
Designation of primary and secondary treatment area mapped on plan		
Adequate access for O&M equipment provided		
Designation of hardscapes, easements, disturbed areas, soil boring locations, wooded areas, and		
notable areas of concern mapped on plan		
29-12		
Tank size adequate		
Tank approved by ODH		
Dosing tank accommodates reserve and/or surge capacity		
Pump properly sized and provided with accessible quick disconnect		
Air vacuum release valve (needed if pump fitting or transport line is at a higher elevation than soil absorption		
component.)		
Switches, controls, alarms and electrical devices are in an easily accessible location		
Control panels and alarms on exterior and 1 foot above grade		
Building sewer-no angles >45 degrees, 1-10% elevation change in pipe, and cleanout provided		
Additional cleanouts indicated when needed (over 75' and every 100' thereafter)		
29-13		
Pretreatment components have effluent sampling capability after pretreatment		
If depth $\leq 2'$, 8" spacing between inlet and outlet pipe		
If depth >2' but ≤6', 12" spacing between inlet and outlet pipe		
At least 2" elevation difference from inlet to outlet		
29-14		
29-14 Pretreatment device utilized for depth credit meets standards for selected depth credit		
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Shutoff mechanism provided		
29-16 If utilized during design		
STS 8' from drain tiles		
Interceptor drain, if used 6' upslope		
Perimeter drain, if used 6' upslope 8' elsewhere		
Perimeter drain at least 8' from mound lateral or 1 ' from toe		
Subsurface drainage 4" in diameter		
Subsurface drainage at least 10" of coarse aggregate		
Subsurface drainage positive slope of 1/10' per 100'		
Engineered drainage shows depth to seasonal water with and without drainage		
Drainage outlet-accessible, rigid wall, animal guard		
Drainage outlet-sufficient freeboard-at least 4" above water level		
Drainage outlet-permission received for discharge point, when applicable		
DRIP		
Surface water diversion addressed, as needed		
If slope greater than 25%, special safety considerations included		
Calculations included		
VSD matches soil report		
If plowed into soil, not more than 1' depth		
If at grade or plowed in, 2' spacing between lines		
If on sand fill, spacing between 6" and 2'		
Cover material and freeze protection precautions included		
Scouring flush at least twice per month per zone		
At least 2 zones		
Air release valves included at the highest elevation in each zone		
Assurance submitted for Drip		

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