



Maryland Department of the Environment
On-site Sewage Disposal System:
Septic Permit Installation Final Inspection Checklist

Address:	Inspector:	Date:	
<u>Sewer line</u>	Acceptable	Unacceptable	N/A
Sewer line from building constructed of approved materials			
No tight 90 degree bends in a solids carrying line			
<u>Septic Tank or BAT Unit</u>			
Tank located in approved location			
Tank location at least 10 ft from foundation, property lines, or water supply lines under pressure			
Proper distance from any individual water supply wells			
Only one dwelling or property is served by the system			
Proper tank design observed (at least 2 compartments or 2 in series)			
Properly sized (capacity) and tank bedded if applicable			
Tank joints/seams above seasonally high water table			
Inlet and outlet pipes at proper elevations and properly sealed at tank connections through tank walls			
Manhole Risers properly installed and sealed (watertight)			
Manhole Riser covers provided			
One riser per compartment provided			
Manhole Risers extend 4-6 inches above finished surface grade			
Baffles installed and intact, Baffles at proper lengths, effluent filters if required			
If BAT, electrical connection approved			
If BAT, mechanics functioning as designed (start up by BAT rep)			
<u>Distribution Box (if used)</u>			
Set on undisturbed firm soil			
Watertight construction			
Inlet 1 inch higher than outlet			
Outlets take water equally (speed levelers, if necessary)			
Removable cover providing adequate seal			
<u>Absorption Area</u>			
System installed in approved location			
Proper setback distances observed (property lines and well)			
Proper size of system per approved permit/plan			
Depth and width of installation matches approved permit/plan			
Trench separation matches permit/plan, if applicable			
Installation follows ground surface contours(perpendicular to slope)			
Clean Washed gravel used is between ¾-2 inch, free of fines			
Trench bottoms are level			

Distribution Pipes			
If a gravity trench, perforated pipe is of acceptable material construction			
Gravity perforated pipe is installed level or with slight fall outward			
Uniformly set in washed gravel			
Depth of washed gravel matches approved permit/plan			
At least 2 inches of aggregate material overlay the pipe			
At least 6 inches of aggregate material underlay the pipe			
Lateral elevations per approved permit/plan			
For pressure distribution systems, pipe meets specified standards (diameter, length, pressure rated pipe and fittings)			
For pressure distribution systems, perforation size and spacing match approved permit/plan			
For pressure distribution systems, lateral turn-ups and siphon breaker orifice are installed pursuant to approved permit/plan, if applicable			
Gravel is covered with spun geotextile fabric			
Appropriate backfill cover per approved permit/plan			
Pump system			
Pump chamber is appropriately sized and matches approved permit/plan (type, plastic, top sealed)			
Pump chamber location and elevation matches approved permit/plan			
Pump chamber is constructed in an approved manner			
Inlet and outlet pipes at proper elevations and properly sealed at tank connections through tank walls			
Pump intake is 6 inches off the floor of the pump chamber			
Pump meets specified standard for flow and head			
Separate float tree is properly constructed with float elevations that match the approved permit/plan			
Pump is installed in accordance with manufacturer's specifications			
Pump controls match approved permit/plan (demand dosed, time dosed -run and rest time settings programmed, elapsed time meter and event counter installed if applicable)			
Alarm on separate circuit from pump			
Control panel installed at acceptable height			
Force main and distribution pipe drain back to pump chamber if applicable			
Pump test achieves specified flow and/or head			
Watertightness testing (where specified)			
Water test- Fill, 24 hours, refill, no change after 1 hour			
Vacuum test per ASTM C 1227			
Existing tanks and drywells were located, disconnected, pumped, crushed & filled			
Additional Comments:			
Final approval of all items			

Signature of Inspector (LEHS) _____