

**Ohio Department of Health  
Sewage Treatment Systems Program – Treatment Standards**

Treatment Standard	Law and/or Rules granting authority	Credit
<b>BOD<sub>5</sub>/TSS 30/30</b> <ul style="list-style-type: none"> <li>▪ Effluent meeting an average of less than 30 mg/l for five-day biological oxygen demand (BOD<sub>5</sub>) and 30 mg/l for total suspended solids (TSS)</li> <li>▪ Or meet NSF Standard 40</li> </ul>	Ohio Revised Code (ORC) 3718.04 Ohio Administrative Code (OAC ) 3701-29-08	Up to 1/3 sizing reduction of required soil absorption field area.
<b>Fecal coliform less than 10,000 and</b> <ul style="list-style-type: none"> <li>▪ BOD<sub>5</sub> less than 30 mg/l</li> <li>▪ TSS less than 30 mg/l</li> </ul>	Ohio Revised Code (ORC) 3718.04 Ohio Administrative Code (OAC ) 3701-29-08	One foot depth credit* for soil based system**
<b>Fecal coliform less than 1,000 and</b> <ul style="list-style-type: none"> <li>▪ BOD<sub>5</sub> less than 30 mg/l</li> <li>▪ TSS less than 30 mg/l</li> </ul>	Ohio Revised Code (ORC) 3718.04 Ohio Administrative Code (OAC ) 3701-29-08	Two foot depth credit* for soil based system**
<b>Timed micro-dosing:</b> Distribution to the soil absorption area providing timed micro-dosing controlled at each point of application not to exceed one quarter gallon per dose and one gallon per four square feet of infiltrative area for each point of application per day.	Ohio Revised Code (ORC) 3718.04  Ohio Administrative Code (OAC ) 3701-29-08  Special Device Approval for Drip Distribution (timed micro-dosed)	One foot depth credit* for soil based system**
<b>BOD<sub>5</sub>/TSS for continuous flush drip distribution:</b>  Effluent meeting an average of less than 15 mg/l for five-day biological oxygen demand (BOD <sub>5</sub> ) and 18 mg/l for total suspended solids (TSS)	Ohio Revised Code (ORC) 3718.04  Ohio Administrative Code (OAC ) 3701-29-08  Special Device Approval for Continuous Flush Drip Distribution	One foot depth credit* for soil based system**
Household Sewage Treatment System (HSTS) National Pollution Discharge Elimination System (NPDES) Permit effluent limitations in mg/l: <ul style="list-style-type: none"> <li>▪ TSS 18</li> <li>▪ NH<sub>3</sub> summer 2.0</li> <li>▪ NH<sub>3</sub> winter 4.5</li> <li>▪ Fecal coliform ≤ 2,000 for waters of state except Lake Erie</li> <li>▪ E. coli ≤ 126 for Lake Erie</li> <li>▪ D.O. not less than 6.0 at any time</li> <li>▪ Chlorine residual not to exceed 0.038 at any time</li> </ul>	Federal Water Pollution Control Act 33 U.S.C. 1251 et. seq.  ORC Chapter 6111  OAC 3745-1-05  NPDES Permit No. OHK000001 or  NPDES Permit No. OHL000001	When a soil based HSTS is not feasible:  Permits treated effluent meeting NPDES effluent standards to discharge to waters of the state or Lake Erie.

\*Soil depth credit - the use of the design mechanisms of elevation, pretreatment, and/or distribution as substitutes for in situ soil treatment to compensate for inadequate vertical separation distance between the infiltrative surface and the limiting condition.

\*\*Soil based system – final treatment of effluent occurring by distribution within in situ soil.