

Retention Requirements for Sites Under 25 acres

$$Q=120*A.55*1.2$$

Total Acres	Percent Impervious	V - 10 yr Cubic ft Retention	V - 100 yr Cubic ft Retention	Allowable Realease Rate(10)	Allowable Release Rate (100)
<input style="background-color: yellow;" type="text"/>	<input style="background-color: yellow;" type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Retention Requirements for Sites 25 - 100 acres

Total Acres	Percent Impervious	V - 10 yr Cubic ft Retention	V - 100 yr Cubic ft Retention	Allowable Realease Rate(10)	Allowable Release Rate (100)
<input style="background-color: yellow;" type="text"/>	<input style="background-color: yellow;" type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Retention Requirements for Sites Greater than 100 acres

Total Acres	Percent Impervious	V - 10 yr Cubic ft Retention	V - 100 yr Cubic ft Retention	Allowable Realease Rate(10)	Allowable Release Rate (100)
<input style="background-color: yellow;" type="text"/>	<input style="background-color: yellow;" type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Notes:

At 25 acres the methods are roughly equivalent, both in retention requirements and the allowable discharges

At 160 acres (with a C-factor of 0.6), this method provides for approximately 20 Acre-feet of storage

If sites exceed a C-factor of 0.6, they would be required to provide on-site retention on all sites whether regional retention facilities are provided or not

Minnesota Drainage outflow with modified 100 year retention requirements of + 0.2% per acre of drainage basin



Enter your information into the yellow boxes