

Amenia Fire Company Annual Recharge - Summary by Soil Map Unit — Dutchess County, New York (NY027) *

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI	*Recharge Rate (in/yr)	Natural Recharge Rate
Wy	Wayland Silt Loam	C/D	4.2	95.00%	7.6	2.660
MnB	Massena Silt Loam, 3 to 8 percent slopes	C/D	0.3	5.00%	7.6	0.190

**Totals for Area of Interest: 4.5 100.00% acre feet 2.85

* Amenia, NY - Zoning Code Section 121-15,F

cubic feet	124,146.00
gallons	928,612.08

Amenia Fire Company Daily Water Use

Description	Avg. # of Units	Flow Rate per Unit (gal./day)	Total Flow (gallons)
Amenia Fire House	35	10	350

Total Daily Use: 350 GPD

**NYSDEC Design Standards for Intermediately Sized
Wastewater Treatment Systems 2014

Amenia Fire Company Water Consumption***

Use	Total Flow (gallons)	Dilution Factor	Consumption / Day
Nonresidential uses with subsurface discharge	350	6	2,100.00
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Total Daily Water Consumption 2,100.00 GPD

Annual Consumption	766,500.00	Gallons
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***Amenia, NY - Zoning Code Section 121-15,G

Net Recharge (gallons/year)	162,112.08
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