

Project Name **Moosehead Phase 1**  
 Project Number **85716E**  
 Date **3/12/2021**  
 Done by **JAO**

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### Sewer Flow Calculations

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References: State of Maine Subsurface Wastewater Disposal Rules

#### Phase 1 Village Area

	Rate (GPD per Unit)	# of Units	GPD
Hotel	100 / room	60	6000
Hotel	12 / emp	64	768
Hotel Restaurant	30 / seat	125	3750
Hotel Restaurant	12 / emp	10	120
Brew Pub Dining	15 / seat	150	2250
Brew Pub Teen Center	250 / toilet	6	1500
Base Lodge Dinning	10 / seat	300	3000
Base Lodge Services	10 / child	10	100
Base Lodge Services	12 / adult	10	120
Event Center	0.5 / 1 sf	5625	2812.5
Outdoor Center	5 / guest	200	1000
Outdoor Center Offices	12 / emp	10	120
Maintenance Bldg Offices	12 / emp	12	144
Maintenance Bldg Garage	12 / emp	5	60
Maintenance Bldg Laundry	300 / machine	4	1200
			0
			0
			0

TOTAL      22944.5      GPD  
    15.94      gpm  
**Peak Factor (5)      79.68      gpm**

<b>TOTAL sewer flow for the Village with Peak Factor (5)=</b>	<b>79.68</b>	<b>gpm</b>
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# Big Moose Wastewater Demand

**Commerical Core Demand** **22945 GPD**

Residential Demand

Neighborhood	Units	Bedrooms	WW Flow
Edge West	63	189	17010 GPD
Edge East	42	126	11340 GPD
Echo	139	417	37530 GPD
Pure	52	156	14040 GPD
Vive	69	120	10800 GPD
Wild	20	60	5400 GPD
100 mile townhome	34	135	12150 GPD
100 mile lots	38	114	10260 GPD
<b>Residential Demand</b>	<b>457</b>	<b>1317</b>	<b>118530 GPD</b>
<b>Total Demand</b>			<b>141475 GPD</b>