

Steve Blais

From: Alexandra C. Wight <alexandra.collins@gmail.com>
Sent: Thursday, January 18, 2018 4:07 PM
To: Steve Blais; Adam Ginsberg
Subject: GPD for paper products/seats breakdown

Seat breakdown direct from DHHS/DEP in the email below. Refer to eating place, paper service for GPD calculations. We are allotted 370 GPD.

We would like to request 35 seats with an all paper service figuring the following:

10 employees at 12 gpd = 120

35 guest seats at 7 gpd = 245

Which brings us to a total of 365 gallons per day; less than our allotment. Additionally, we eliminated one bathroom (went from two bathrooms to one). We also eliminated the kitchen and shower located in the 'day spa' as it was registered with the city.

The bathroom will have this water saving faucet: <https://www.houzz.com/product/59096705-fontana-gold-tone-plated-platinum-thermostatic-sensor-tap-contemporary-bathroom-sink-faucets>

We are also installing a low-flow toilet.

Let me know if you need anything additional.

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----- Forwarded message -----

From: Angell, Glenn B <Glenn.B.Angell@maine.gov>
Date: Fri, Nov 3, 2017 at 4:22 PM
Subject: RE: GPD for paper products!
To: "Alexandra C. Wight" <alexandra.collins@gmail.com>
Cc: "Wood, Gregg" <Gregg.Wood@maine.gov>

First off I want to reiterate that you should definitely install a water meter in the building. While it won't help you for next summer, it will give you data for future expansion options. I would advise you to take the readings weekly and to keep track of the number of customers you have on a weekly basis. While daily would be better, I'm not sure it's worth the extra work for you. This step is CRUCIAL for future plans you might have.

Second, I refer often below to accounting for your employees. In all options this must be based upon 8-hour days worked. You must figure 12 gallons per day of wastewater per employee. Make this calculation on the highest number of employees on your busiest days. Also, make this calculation first and subtract it from your 370 gallons per day maximum discharge. Then you will know what you have left to work with for number of seats or customers.

Below is an excerpt from a portion of Table 4-C from the Subsurface Wastewater Disposal Rules. This is the table I used to outline for you the options you had for your eating establishment. The relevant area is in gray titled **Eating Places**.

The initial proposal you mentioned was for 2 meals a day. I've highlighted that in red. It basically calls for 20 gallons per day per seat. This would likely give you no more than about 15 seats plus your employees.

The second thing we talked about was a takeout establishment. This is highlighted in blue. This would require 100 gallons per day or 1 gallon per day per meal. I think the first option would be sufficient for you. Again, you need to account for employees. This does NOT allow you to have any inside seats but there could be picnic tables outside.

The third option we talked about was paper service only. I've highlighted this in green. This again requires you to account for employees. This option does not speak to the number of meals per day, simply the number of seats. The value you work with is 7 gallons per day per seat. If you were to have 25 seats, this would come out to 175 gallons per day plus what you need for employees. Note that you still need to deal with trash disposal but this option would give you something to work on in terms of establishing inside sit-down dining.

Type of facility	Design flow per user or unit
Airports	5 gpd per passenger plus 12 gpd per employee [1]
Assembly areas (Meeting hall, no seats)	2 gpd per person
Auditoriums/Stadiums:	5 gpd per seat
Bakery	100 gpd per bakery plus 12 gpd per employee [1, 2]
Bar/Tavern/Cocktail lounge	add 12 gpd per employee to each
w/ limited food	15 gpd per seat or 13 gpd per patron
w/o food	10 gpd per seat or 7 gpd per patron
Barber shop	50 gpd per chair
Beauty salon	100 gpd per chair
Bed and breakfast	90 gpd per bedroom per operator's quarters and 75 gpd per rental room
Boarding houses with meals	180 gpd per house plus 40 gpd per boarder
Bottle club	10 gpd per seat plus 12 gpd per employee
Bunkhouses (no plumbing)	20 gpd per bed
Bus service areas	5 gpd per passenger plus 12 gpd per employee [1]
Butcher shop or department	100 gpd per shop plus 12 gpd per employee [1,2]

Cafeteria, open general public	30 gpd per seat plus 12 gpd per employee [1,2]
Cafeteria, private	15 gpd per seat plus 12 gpd/employee [1,2]
Campground sites served by central toilets	60 gpd per site
Campground sites served by individual water and sewer hookups	75 gpd per site
Campground/Transient dump station	50 gpd per user not served by individual water and sewer hookups
Campground park model trailer sites	125 gpd per site
Children's camps, day use only	15 gpd per camper plus 12 gpd per staff person
Children's camps, day and night	20 gpd per camper plus 20 gpd per staff person
Churches	4 gpd per seat for general seating and 8 gpd per seat for seats in a dining area
Dance hall	5 gpd per attendee plus 12 gpd per employee [1]
Day care facilities serving meals	15 gpd per child plus 12 gpd per adult
Day care facilities not serving meals	10 gpd per child plus 12 gpd per adult
Dining hall (separate from any other facility)	5 gpd per meal per seat [2]
Dog kennel (boarding and grooming)	15 gpd per dog or per run, cage, kennel or stall, whichever is greater; add 7 gpd per dog bath given; add 12 gpd per employee [5]
Eating Places	add 12 gpd per employee for each [2, 4]
Banquet /Dining hall	5 gpd per seat per meal
Cafeteria	5 gpd per customer
Catering	50 gal/ 100 sq. ft. floor space
Delicatessen, food prepared and no seats	100 gpd per deli or 1 gpd per meal served plus 12 gpd per employee [1, 2] (whichever is larger)
Delicatessen, no food prepared and no seats	50 gpd per deli plus 12 gpd per employee [1]
Drive-in, no full meals and no china service	30 gpd per car space plus 12 gpd/ employee [1, 2]
Eating place, takeout	100 gpd or 1 gpd per meal served plus 12 gpd per employee [1, 2] (whichever is larger)
Eating place, paper service	7 gpd per seat plus 12 gpd/ employee [1, 2]
Ice Cream Stands, ice cream only with no seats	150 gpd per stand plus 12 gpd per employee. [1, 2]
Eating Place 1meal/day	10 gpd per seat plus 12 gpd per employee [1, 2]
Eating Place, 2 meals/day	20 gpd per seat plus 12 gpd per employee (1,2)
Eating Place, 3 meals/day	30 gpd per seat plus 12 gpd/employee [1, 2]
Specialty food stand or kiosk	50 gpd per 100 sq. ft.
Employees at place of employment with no showers	12 gpd per employee [1]
Employees at place of employment with showers	20 gpd per employee [1]
Fairgrounds/Flea market	3 gpd per attendee based on average daily attendance
Gyms, not associated with schools	10 gpd per participant plus 3 gpd per spectator plus 12 gpd per employee [1]

Good luck on your new-to-you business!

Glenn B. Angell, LSE #137

State Site Evaluator

Division of Environmental and Community Health

Drinking Water Program/Subsurface Wastewater Unit

Tel: [\(207\) 592-2084](tel:(207)592-2084)

Maine Center for Disease Control and Prevention - Preserve ~Promote ~ Protect

From: Alexandra C. Wight [mailto:alexandra.collins@gmail.com]
Sent: Friday, November 03, 2017 12:38 PM
To: Angell, Glenn B <Glenn.B.Angell@maine.gov>
Subject: Re: GPD for paper products!

Hi Glenn,

I'm so sorry to trouble you. If you could confirm that a paper products service brings us to the following, I would appreciate it enormously!

2 meals per day

12 gpd per employee

7 gpd per guest

Have a great weekend!

Alex Wight

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On Wed, Nov 1, 2017 at 3:08 PM, Alexandra C. Wight <alexandra.collins@gmail.com> wrote:

Hi Glenn,

Again, thank you so much for taking the time to speak with me just now. Additionally, it was so kind of you to offer your assistance to my mother. We are grateful for your time and suggestions!

If you could, would you mind breaking down the gallonage per day if we were to use paper products entirely? To be clear, we would use paper plates and napkins and plastic cups and cutlery.

Many, many thanks,

Alex Wight

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