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DOUGLASSVILLE, PA 19518
484-491-1329

July 15, 2021

City of Reading
Planning Commission
815 Washington Street
Reading, PA 19601

Re: Iglesia Pentecostal Movimiento De Fe Inc.

Sewage discharge from the site

Dear Planning Commission Members:

The owner of the property has converted a former restaurant into a House of Worship. Chapter 73 was consulted to determine acceptable sewage flows for the building with restaurant and church flows. Chapter 73 list church projected flows at 3 GPD per seat. Restaurants projected flows at 10 GPD per patron.

Former condition:

Water Records were requested from RAWA, for the site, from 1/31/2014 to the present. The only records that were supplied were dated 1/31/2021 to the present. Therefore an estimated sewage flow from the site were calculated based on the footprint of the existing portion of the building.

The original portion of the structure is 2,275 square feet. The dining area would make up approximately 60% of the floor area and the kitchen and infrastructure would most likely be the remaining 40% of the floor space. Based on Architectural Standards and Graphic, 8th edition 13 square feet needs to be dedicated in the service area per patron. Based on the above analysis, 1,365 square feet would be dedicated to the service area which equates to a capacity of 105 patrons at peak times. The facility would most likely be open at least 12 hours a day to prepare meals for breakfast, lunch and dinner. If the facility was at capacity 3 hours a day and 25% capacity the balance of the day it equates to 551 patrons per day.

Based on the Chapter 73 projected flows 551 patron x 10 gallon /patron =5,510 gallons per day for the former restaurant use.

Existing condition (WORSHIP) 1124 SCHUYLKILL AVE

Based on chapter 73

3 GPD per seat

The current Sunday AM attendance is usually 100 parishioners. Sunday PM Service is generally about 50% of the AM service about 50 parishioners. Wednesday PM Service is generally similar to the Sunday PM Service about 50 parishioners. A total of 200 parishioners per week.

$200 \text{ seats} \times 3 = 600 \text{ gal/week} \times 4 = 2,400 \text{ Gallon per month} / 30 = \text{an average of } 80 \text{ GPD}$

Based on the RAWA billing the present church is being billed \$55+/- a month. Based on the billing rate of \$8.21 /1000 gallons projects to 6,699 gallons per month which equates to 223 gallons per day

Please see attachment 1 from RAWA

Worship conversion 1119 Luzerne Street

The existing facility is a single family residence. Based on the City of Reading one EDU is equal to 262 GPD. The facility will be used for special services such as Daily Vacation Bible School, special events and additional Sunday school Classroom space. Based on the available floor area the facility is limited in the capacity of people. A potential of 50 parishioners could utilize the facility at a time. The maximum capacity would be attained most likely once a week.

$50 \times 3 = 150 \text{ gallons a day}$ which is significantly less than 262 GPD a single family residence is expected to discharge. $19803 / 30 = 660 \text{ gallon per day}$

CONCLUSION

The development of the two adjacent properties into a worship facility will not provide additional discharge to the City Sewer System, and in fact should be a reduction in total flows based on the former uses that existed on the property.

Therefore it can be assumed that there will be no increase in sewage flows at the site and no need for Act 537 sewage module planning.

Thank you for your consideration,

Daniel H. Laudenslayer PLS

Attachment 1

Report Criteria:

Customer.Customer number = 3427801

34278.01 IGLESIA PENTECOSTAL MOVIMIENTO 1124 Schuykill Av

Account Summary:

Period	Water SwrSC Sewer Pen	Sewer Reconn Fee Lien	MtrSC Turn On	WtrSC Water Pen	Billings	Billing Adjustments	Payments	Other	Balance
12/31/2020									142.13
01/31/2021	5.01 31.29 3.13	-	7.88	10.72	59.92 1.89	-	-	-	202.05
02/28/2021	2.61 31.29	-	7.88	10.72	52.50	-	202.05 -	-	52.50
03/31/2021	4.14 31.29	-	7.88	10.72	54.03	-	52.50 -	-	54.03
04/30/2021	5.95 31.29	-	7.88	10.72	55.84	-	54.03 -	-	55.84
05/31/2021	3.87 31.29	-	7.88	10.72	53.76	-	55.84 -	-	53.76
06/30/2021	6.75 31.29	-	7.88	10.72	56.64	-	53.76 -	-	56.64
Totals:	28.33 187.74 3.13	-	47.28	64.32	332.69 1.89	-	418.18 -	-	