

INSURANCE SERVICES OFFICE, INC.
HYDRANT FLOW DATA SUMMARY

City Warsaw & Warsaw TFPD
 County Wyoming State NY Witnessed by Insurance Services Office, Inc. Date August 22, 2001

TEST NO.	TYPE DIST.*	TEST LOCATION	SERVICE	FLOW - GPM $Q = (2.31 C(d^2)^{0.85})^2$			PRESSURE PSI		FLOW - AT 20 PSI $Q_L = Q_r (h_r / h_p)^{0.5}$		REMARKS***
				INDIVIDUAL HYDRANTS	TOTAL	STATIC	RESID.	NEEDED**	AVAIL.		
1	Comm	Rte. 19, 3rd. Hyd n/o Dutton Rd.	Main	530	530	1060	94	36	2000	1200	(B)-(1862 gpm)
2	Comm	Rte. 19, 2nd. Hyd s/o Mungers Mill Rd.	Main	990	990	1980	94	86	1500	6600	(A)-(750 gpm)
3	Comm	Allen St. @ Prospect St.	Main	240		240	128	126	3000	2100	(C)-(1302 gpm)
4	Res	Liberty St. s/o Empire St.	Main	240		240	124	115	500	900	
5	Comm	S. Main St. 1st. Hyd s/o Livingston St.	Main	1190	1190	2380	132	115	2500	6600	(A)-(1920 gpm) (B)-(1862 gpm)
6	Comm	Prospect St. @ E. Buffalo St.	Main	820		820	126	118	2250	3300	(B)-(1862 gpm)
7	Comm	W. Buffalo St. opposite Center St.	Main	440	440	880	132	76	3000	1300	(C)-(1302 gpm)
8	Res	Wyoming St. 2nd. Hyd n/o W. Buffalo St.	Main	170		170	124	52	500	200	
9	Res	Gouinlock St. 2nd. Hyd n/o W. Buffalo St.	Booster	170		170	100	15	500	150	
10	Comm	N. Main st. (east side) n/o Genesee St.	Main	1190	1190	2380	132	115	2250	6600	(B)-(1862 gpm)
11	Comm	Linwood Ave. @ North St.	Main	390		390	132	130	2000	3400	(B)-(1862 gpm)
12	Comm	N. Main St opposite Purdy Ave.	Main	1190	1190	2380	132	115	1500	6600	
13	Comm	N. Main St. 2nd. Hyd n/o Highland Ave.	Main	1190	1190	2380	132	115	2250	6600	(B)-(1862 gpm)
14	Comm	N. Main St. 2nd. Hyd n/o salina St.	Main	1190	1190	2380	132	115	2250	6600	(B)-(1862 gpm)
15	Comm	Rte. 19, 3rd. Hyd n/o Buffalo Rd.	Main	1230	1230	2460	132	90	2250	4200	(A)-(1340 gpm) (B)-(1862 gpm)
16	Comm	Saltvale Rd. 7th. Hyd n/o Rte. 19	Main	530	530	1060	134	30	3500	1100	(A)-(2170 gpm) (C)-(1302 gpm)

THE ABOVE LISTED NEEDED FIRE FLOWS ARE FOR PROPERTY INSURANCE PREMIUM CALCULATIONS ONLY AND ARE NOT INTENDED TO PREDICT THE MAXIMUM AMOUNT OF WATER REQUIRED FOR A LARGE SCALE FIRE CONDITION. THE AVAILABLE FLOWS ONLY INDICATE THE CONDITIONS THAT EXISTED AT THE TIME AND AT THE LOCATION WHERE TESTS WERE WITNESSED.

*Comm = Commercial; Res = Residential.

**Needed is the rate of flow for a specific duration for a full credit condition. Needed Fire Flows greater than 3,500 gpm are not considered in determining the classification of the city when using the Fire Suppression Rating Schedule.

*** (A)-Limited by available hydrants to gpm shown. Available facilities limit flow to gpm shown plus consumption for the needed duration of (B)-2 hours, (C)-3 hours.

ECL: 2

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