

INSURANCE SERVICES OFFICE, INC.
HYDRANT FLOW DATA SUMMARY

Community Arkansas City Fds

County Kansas(Cowley), State KANSAS (15)

Witnessed by: Insurance Services Office Survey Date: July 7, 2022

TEST NO.	TYPE DIST.*	TEST LOCATION	SERVICE	FLOW - GPM $Q=(29.83(C(d^2)p^{0.5}))$				PRESSURE PSI		FLOW -AT 20 PSI		REMARKS***	MODEL TYPE	FLOW TEST DATE
				INDIVIDUAL HYDRANTS			TOTAL	STATIC	RESID.	NEEDED **	AVAIL.			
1		30142 141st Rd	Fire Department Supply	0	0	0	350	0	0	1500	350		CTR	07/07/2022
2		25572 61st Rd	Fire Department Supply	0	0	0	500	0	0	1500	500		CTR	07/07/2022
3		10472 272nd Rd	Fire Department Supply	0	0	0	250	0	0	2250	250		CTR	07/07/2022
4		8438 312th Rd	Fire Department Supply	0	0	0	250	0	0	2000	250		CTR	07/07/2022
5		31467 US 77	Fire Department Supply	0	0	0	400	0	0	1750	400		CTR	07/07/2022
6		8731 US Hwy 66	Fire Department Supply	0	0	0	300	0	0	2250	300		CTR	07/07/2022

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 or (D)-4 hours.