

INSURANCE SERVICES OFFICE, INC.
HYDRANT FLOW DATA SUMMARY

Community Arkansas City Fpsa

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 $Q=(29.83(C(d^5)p^{0.5}))$				PRESSURE PSI		FLOW -AT 20 PSI		REMARKS***	MODEL TYPE	FLOW TEST DATE
				INDIVIDUAL HYDRANTS		TOTAL		STATIC	RESID.	NEEDED **	AVAIL.			
1		Kirk Rd and Crestwood Dr	Arkansas City Water Department, East	840	0	0	840	80	40	750	1000		FTPC	06/09/2022
2		Summit and Lincoln (NE side of intersection)	Arkansas City Water Department, Main	530	0	0	530	80	15	3000	500		FTPC	06/09/2022
3		410 S Summit	Arkansas City Water Department, Main	380	0	0	380	60	55	2250	1200		FTPC	06/09/2022
4		Walnut & S Summit	Arkansas City Water Department, Main	1190	0	0	1190	65	55	3000	2700		FTPC	06/09/2022
5		Linden and F St	Arkansas City Water Department, Main	750	0	0	750	75	60	3500	1500		FTPC	06/09/2022
6		Kansas & C St	Arkansas City Water Department, Main	380	0	0	380	70	65	1750	1300		FTPC	06/09/2022
6.1		Kansas & C St	Arkansas City Water Department, Main	380	0	0	380	70	65	750	1300		FTPC	06/09/2022
7		Stanley & A St	Arkansas City Water Department, Main	650	0	0	650	75	70	3000	2400		FTPC	06/09/2022
8		Radio Ln and Summit	Arkansas City Water Department, North	990	0	0	990	60	50	3000	2100		FTPC	06/09/2022
9		Hilltop and Summit	Arkansas City Water Department, North	920	0	0	920	65	55	3000	2100		FTPC	06/09/2022
10		12th and Radio Lane	Arkansas City Water Department, North	1060	0	0	1060	75	55	4000	1800		FTPC	06/09/2022
10.1		12th and Radio Lane	Arkansas City Water Department, North	1060	0	0	1060	75	55	1250	1800		FTPC	06/09/2022
11		Poplar and 11th	Arkansas City Water Department, Main	530	0	0	530	50	35	1750	750		FTPC	06/09/2022
12		Chestnut and 5th	Arkansas City Water Department, Main	750	610	0	1360	70	35	1250	1600		FTPC	06/09/2022
12.1		Chestnut and 5th	Arkansas City Water Department, Main	750	610	0	1360	70	35	750	1600		FTPC	06/09/2022
14		Madison & 2	Arkansas City Water Department, Main	750	0	0	750	80	75	4500	2900		FTPC	06/09/2022

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.

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