Chick-fil-a – Dawson Trail – Average & Peak Water Usage

Fixtures:	Quantity	Fixture Unit per IPC	Total
Kitchen Sinks:	6	4.0	24 FU
Lavatory/Hand Sinks	10	2.0	20 FU
Service Sink	1	3.0	3 FU
Urinal ¾" Flush Valve	1	5.0	5 FU
Water Closet Flush Valve	5	5.0	50 FU
Hose Bib	1	5.0	5 FU

Total Water Fixture Units: 107 FU

The maximum water usage is 72 GPM.

72 GPM x 60 MIN = 4,320 GPH

Peak Hour Demand = 4,320 Gallon

The maximum sewer flow is equal to the peak water demand.

Average Water & Sewage Usage

From Part 5, Article 1 of Title 25, C.R.S, the average daily sewer usage for a drive-in or 'drive-thru' restaurant is 50 Gallons per day (GPD)/ parking space. Chick-fil-a will have 51 parking spaces for an average daily sewage usage of **2,550 GPD**. The average daily water consumption is equal to the sewage usage.

Average daily water and sewage usage is 2,250 GPD.