

LEHI

Utah County

Water Sources

Schoolhouse Spring and Hamongog Spring are the basic source of water for Lehi. In addition, the city owns three wells which have a combined pumping capacity and rights equal to 6.3 CFS.

System Operation

The two springs are used year around and are supplemented with water from the wells. The flow from the springs is not metered but the flow is frequently measured over a weir. From these measurements it is known that the average minimum flow is 300 GPM from both springs. This, plus the 4.1 MGD from the wells, gives a deliverable capacity of 4.5 MGD

The peak daily demand was estimated by a measurement of 300 GPM over the weir at the spring and a meter reading of 1,425 GPM on the one well operating that day. This yielded a peak daily demand of 2.48 MGD.

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LEHI

Population: 5,000

WATER SYSTEM

Water Quality

Bacteriological Quality: 1968 Unsatis. 1969 Satisfactory
 Health Department Rating: Provisionally approved

Typical Chemical Quality:

TDS	<u>110</u>	Turbidity	<u>0</u>	Magnesium	<u>6</u>
pH	<u>7.65</u>	Alkalinity	<u>76</u>	Iron	<u>0</u>
Hardness	<u>78</u>	Bicarbonate	<u>92</u>	Chloride	<u>13</u>

Physical Facilities

Type of Treatment: Chlorination of spring water

Treated Water Storage Capacity: 2,000,000 Gallons

Deliverable Capacity:	<u>4.5</u> MGD	Fire Underwriter's Rating:	Class <u>6</u>
Peak Demand:	<u>2.48</u> MGD	Per Capita Peak Daily	
Surplus Capacity:	<u>2.0</u> MGD	Demand: (Gallons):	<u>496</u>

Water Charges

	<u>Residential</u>	<u>Commercial</u>
Minimum Charge Per Month.	\$ 3.00	\$ 3.00
Gallons Delivered for Min. Charge	7,500	7,500
For Quantities in Excess of Minimum:		
Max. Cost per 1000 Gallons:	\$ 0.20	\$ 0.20
Min. Cost per 1000 Gallons:	\$ 0.20	\$ 0.20

SEWER SYSTEM

Physical Facilities

Capacity of Treatment Plant:	MGD: <u>0.5</u>	Pop. Equiv. <u>5,000</u>
Average Daily Flow:	MGD: <u>0.52</u>	Pop. Equiv. <u>4,750</u>
Surplus Capacity:	MGD: <u>None</u>	Pop. Equiv. <u>None</u>

Sewer Charges

	<u>Residential</u>	<u>Commercial</u>
Minimum Charge Per Month:	\$ 3.00	\$ 4.25
Maximum Gallons for Min. Charge:	All	All
Charge for Quantities in Excess, of the Maximum:	None / 1000 gal.	None / 1000