

Division of Drinking Water — Water System Capacity Calculation Sheet (Last Update 3/30/2017)

"Enter the green cells only"

System Name **Emigration Improvement District**

System Number **18143**

1.1 Indoor Water Use

Convert "Number of other connections" (Cell E9) to ERCs here. [ERCs of other connections = peak day demand of other connections in gal per day / 800 gpd]

Number of residential connections

Number of other connections - - -

1

ERCs of other connections

300

10.0

(Example: water use of 2 factories equals to water use of 55 homes.)

Enter number of non-residential connections, e.g., 2 industrial connections.

Total Equivalent Residential Connections (ERCs) **310.0**

2.1 Does this system have adequate source capacity (per R309-510-7)?

This source capacity assessment is a general overall system calculation. It may not reflect the variations in individual areas or pressure zones.

Required Source Capacity 214.6 gpm

Existing Source Capacity 590.0 gpm

Source Capacity Deficit None gpm

Existing % of Total Req'd 274.9%

Autolink to 2 "Total Source" cell above.

Autolink to 4.2 "Total Existing Source Capacity" cell below.

Source deficit indicates that: (1) additional source capacity is needed, and (2) source deficiency should be assessed.

Less than 100% indicates: (1) additional source capacity is needed, and (2) source deficiency should be assessed.

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2.2 Does this system have adequate storage capacity (per R309-510-8)?

This storage capacity assessment is a general overall system calculation. It may not reflect the variations in individual areas or pressure zones.

Total Required Storage 215,600 gal

Existing Storage Capacity 1,300,000 gal

Storage Capacity Deficit None gal

Required Fire Storage 60,000 gal

Is storage deficiency solely due to fire storage? Not Applicable

Existing % of Total Req'd 603.0%

Autolink to 2 "Total Storage" cell above.

Autolink to 4.3 "Total Existing Storage Capacity" cell below.

Storage deficit indicates that: (1) additional storage volume is needed, and (2) storage deficiency should be assessed.

If NO, answer one of question set 2.01 to 2.05 in ESS.
If YES, answer one of question set 2.06 to 2.10 in ESS.

Less than 100% indicates: (1) additional storage capacity is needed, and (2) storage deficiency should be assessed.

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