## Division of Drinking Water Water System Capacity Calculation Sheet (revised June 23, 2011) Enter the green cells only **System Name:** Fast & Furious Rest Stop System Number: 55555 1. Indoor Water Use Convert "Number of other connections" (Cell E9) to ERCs here. (ERCs of other connection = peak day demand of other connections / 800 gal per day) Number of residential connections Example: water use of 2 Number of other connections - - -ERCs of other connections 14.0 factory is equivalent to 30 homes.) Enter number of non-residential connections (e.g., 2 factory connections). Total Equivalent Residential Connections (ERCs) MINIMUM REQUIREMENTS FOR INDOOR WATER USE Source Storage Water Rights Per ERC Per ERC Per ERC Total Total Total (gpd/ERC) (gallons/ERC) (gpm) (gallons) (ac-ft/yr) (ac-ft/yr) 7.8 400 5,600 0.45 6.30 2. Outdoor Water Use Enter estimated irrigated acre Is the drinking water used for outdoor irrigation? ✓ No Yes Residential ERCs using drinking water for irrigation 0 Percentage of Residential ERCs using DW for irrigation #DIV/0! Average irrigated acreage per residential connection 0.00 Total irrigated acreage of other connections. 0.00 Enter notes here. Check whether and Enter total irrigated acres of **Trrigation** zone what % of outdoor irrigation is supplied other connections here by drinking water.) Select Irrigated Zone # from the list (see "Irrigation Demands & Map" tab on MINIMUM REQUIREMENTS FOR OUTDOOR WATER USE the bottom of the screen). Source Water Rights Per ERC Per ERC Per ERC Total Total Total (gpd/ERC) (gallons) (ac-ft/yr) (gallons/ERC) (ac-ft/yr) (gpm) 0.0 0 0.00 0.00 3. Fire Flow Requirement Enter fire flow in gpm. Does the water system provide fire protection? Yes No Maximum fire suppression demand for water system or pressure zone (gpm) 0 Maximum fire suppression duration for water system or pressure zone (hours) 0 Required Fire Suppression Storage (gallons) --- --->>> 0 Enter notes here. Verify minimum fire flow and duration Enter duration in hours. vith local fire authority.) <u>Total Water System Requirements</u> (= indoor use + outdoor use + fire flow demand) MINIMUM REQUIREMENTS FOR WATER SYSTEM Source Storage Water Rights Per ERC Per ERC Per ERC Total Total Total (gpd/ERC) (gallons/ERC) (gpm) (gallons) (ac-ft/yr) (ac-ft/yr) 800 7.8 400 5.600 0.45 6.30 Does this system have adequate source capacity per R309-510-7? IPS points may be assessed for lacking adequate source capacity to meet peak day and/or average yearly flow requirements.

## % of Req'd Capacity: 192.9% needed, and (2) IPS points should be assessed. Difference: 7 gpm

gpm

gpm

15.0

7.8

**Existing Sources:** 

Required Source Capacity:

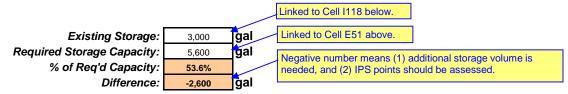
Linked to Cell 199 below.

Linked to Cell C51 above

Negative number means (1) additional source capacity is

## Does this system have adequate storage capacity per R309-510-8?

IPS points may be assessed for lacking adequate storage capacity.



	MINIMUM REQUIREMENTS FOR INDOOR USE						
	Source		Storage				
Facility Type	GPD/person*	Calculated GPD/site or pad	GPD/person	Gallon/site or pad	ERC/site or pad	# of Sites or pads	ERCs
Modern Recreation Camp	60	0	30	0	0.00	0	0.0
Semi-Developed Camp w/ flush toilets	20	0	10	0	0.00	0	0.0
Semi-Developed Camp w/o flush toilets	5	0	2.5	0	0.00	0	0.0
RV Park	N/A	100	N/A	50	0.13	0	0.0
*Number of people per camp site	0 If applicable, enter number of people per camp site here.						
	Source (GPD/vehicle)	Storage (Gal./vehicle)	ERC/1000 vehicles served	# of Vehicles served	ERCs		
Roadway Rest Stop w/ flushometer valves	7	3.5	8.75	1600	14.00		

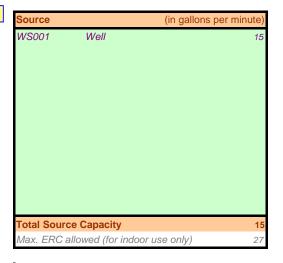
Fast & Furious Rest Stop

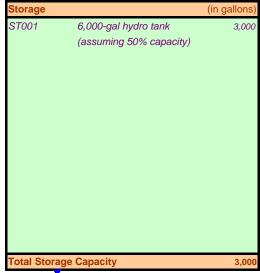
Equivalent Residential Connection Calc.

Existing Residential Connections

Number of Obligated Future ERCs

0





Diaphragm or air pressure tanks shall not be considered effective storage volume for community systems or NTNC with significant demand.

If you need to calculate projected future demand (including existing & future connections), insert this number to Cell I8 "Number of residential connection."

(Enter notes here if needed.)