Division of Drinking Water Water System Capacity Calculation Sheet (revised June 23, 2011) Enter the green cells only **System Name:** Papa Bubba Café System Number: 33333 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 10.5 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) 400 4,200 0.45 4.73 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. 1.00 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) (gallons/ERC) (ac-ft/yr) (ac-ft/yr) (gpm) 4.0 2,848 0.00 1.87 0 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) 1,000 Maximum fire suppression duration for water system or pressure zone (hours) 2 Required Fire Suppression Storage (gallons) --- --->>> 120,000 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 9.8 400 127.048 0.45 6.60

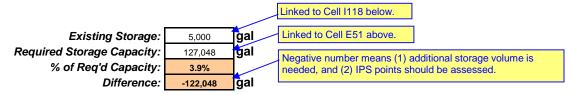
Does this system have adequate source capacity per R309-510-7?

IPS points may be assessed for lacking adequate source capacity to meet peak day and/or average yearly flow requirements.

			Linked to Cell 199 below.
Existing Sources:	20.0	gpm	Linked to Cell C51 above.
Required Source Capacity:	9.8	gpm	
% of Req'd Capacity:	204.2%		Negative number means (1) additional source capacity is needed, and (2) IPS points should be assessed.
Difference:	10	gpm	noceda, and (2) if a points should be assessed.

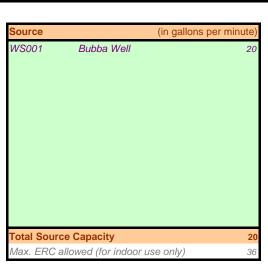
Does this system have adequate storage capacity per R309-510-8?

IPS points may be assessed for lacking adequate storage capacity.



	MINIMUM REQUIREMENTS FOR INDOOR USE						
	Soul	rce	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	0	0.00		

Papa Bubba Café Linked to Cell I8 above. quivalent Residential Connection Calc Existing Residential Connections Number of Obligated Future ERCs **Fotal Projected Number of ERCs** 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.)



Storage		(in gallons)
ST001	10,000-gal hydro tank (assuming 50% capacity)	(in gallons) 5,000
Total Storag	5,000	

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