Division of Drinking Water Water System Capacity Calculation Sheet (revised June 23, 2011) Enter the green cells only. Taylor-West Weber WID March 11, 2015 System Name: System Number: 29019 1. Indoor Water Use Number of residential connections 1,952 Example: water use of 3 Number of other connections - -19 ERCs of other connections 19,0 actory is equivalent to 30 homos.I Total Equivalent Residential Connections (ERCs) 1,971 MINIMUM REQUIREMENTS FOR INDOOR WATER USE Storage Source Water Rights Per ERC Per ERC Per ERC Total Total Total (gpd/ERC) (gallons/ERC) (ac-ft/yr) (ac-fl/yr) (gallons) (gpm) 1,095,0 788,400 886,95 800 400 0.45 2. Outdoor Water Use Is the drinking water used for outdoor irrigation? V Yes ☐ No Residential ERCs using drinking water for irrigation 470 Percentage of Residential ERCs using DW for irrigation 24% Average irrigated acreage per residential connection 0.75 Total irrigated acreage of other connections. 6.00 Based on information from Water Irrigation zone System Manager during 2013 Sanitary Survey MINIMUM REQUIREMENTS FOR OUTDOOR WATER USE Water Rights Source Storage Per ERC Per ERC Per ERC Total Total Total (gpd/ERC) (gallons/ERC) (gallons) (ac-ft/yr) (ac-ft/yr) (gpm) 1,419.7 2,136 1.021.008 670,40 4,277 1.40 3. Fire Flow Requirement Does the water system provide fire protection? 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 Weber Fire District has adopted Appendix B of the Fire Cada which requires a minimum of 1000 gpm for two Total Water System Requirements (= Indoor use + outdoor use + fire flow demand) MINIMUM REQUIREMENTS FOR WATER SYSTEM Source Water Rights Storage Per ERC Total Per ERC Total POT ERC Total (apd/ERC) (gpm) (gallons/ERC) (gallons) (ac-ft/yr) (ac-ft/yr) 5,077 2,514.7 2,538 1,929,408 1.85 1,587.38 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. Existing Sources: 3,400,0 gpm gpm Required Source Capacity: 2,514.7

Difference:

135.2%

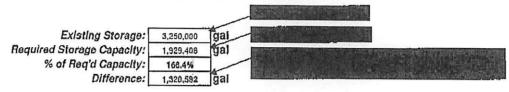
885

gpm

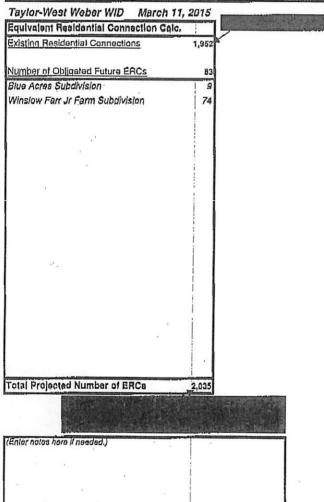
% of Reg'd Capacity:

Does this system have adequate storage capacity per R309-510-87

IPS points may be assessed for lacking adequate storage capacity.



Ĺ	MINIMUM REQUIREMENTS FOR INDOOR USE						
	Source		Storage		1		
Facility Type	GPO/person*	Calculated GPD/sile or pad	GPD/person	Gallon/site or pad	ERC/alte or pad	# of Sites or pads	ERC
Modern Recreation Camp	80	240	30	120	0.30	8	2.4
Semi-Developed Camp w/ flush tallets	20	80	10	40	0.10	25	2.5
Semi-Developed Camp w/o flush toilets	5	20	2,5	10	0.03	20	0.5
RV Park	N/A	100	N/A	50	0.13	15	1,9
*Number of people per camp site	4	4					
	Source (GRDAtebicio)	Storage (Gal/vehicle)	ERC/1000 vehicles served	# of Vehicles	ERCa		
Roadway Rest Stop w/ flushometer valves	7	5.5	8.75	800	7,00	1	



earuaB	(In g	allons per minute
WS001	Big Well	900
WS002	Small Well	500
WS003	Weber Basin WCD CO	2000
	*	8
	*	
TO THE STATE OF TH		40
Total Source	a Capacity	9400
	llowed (for indoor use on)	v) 6120

Storage:		(in gallona)
ST001	Million Gallon Tank	1,000,000
STOO2	2 Million Gallon Tank	2,000,000
ST003	250 K Gallon Tank	250,000
		9
		w.
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Total Storage Capacity		3,250,000