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

						E	nter the green ce	lls only	
S	ystem Name	E	migration Im	provement Distr	rict		System Number	18143	j
1.1 I	ndoor Wate	r Use					Cs here. [ERCs of ot n gal per day / 800 g		
	Number of	residential co	nnections					300	
	Number of	other connec	tions	1	EF	Cs of o	other connections	10.0	(Example: water use of 2 factories equals to water use of 55 homes.)
	er number of no , 2 industrial co		onnections,	Total Equiv	/alent Residen	tial Co	nnections (ERCs)	310.0	
	MIN. REC	QUIREMENTS	S FOR INDOOF	R WATER USE	1				
	Source		Storage]				
	gpd/ERC	Total (gpm)	Gallons/ERC	Total (gallons)					
	800	172.2	400	124,000]				
1.2 (Outdoor Wa	ter Use					Enter estimated irr residential lot her	-	
	Is the drinki	ing water use	ed for outdoor i				□ No		
	Residential	ERCs using	drinking water	for irrigation			> >	50]
		_	-	DW for irrigation	1			17%	•
	Average irri	gated acrea	ge per reside n	itial connection			>>	0.05	
	Total irrigat	ed acreage c	of other conne	ections (park, sch	nool. etc.)			10.00	
	notes here rega	arding whether	and what %		rigated acres of	other	Irrigation zone	3	
og.		арриса ау . т	J.,				Select I	rrigated Zone #	
	MIN. R	FQUIREMEN	ITS FOR IRRIG	ATION USF	1		See "Irr	e pick list. igation	
		urce		orage	1		Demand on the b	ds & Map" tab oottom of the	
	gpd/ERC	Total (gpm)	Gallons/ERC	Total (gallons)			screen	or WaterLink.	
	244	42.4	126	31,600	1				
1.3 F	Fire Flow Wa	ater Use			•		Enter fire	e flow in gpm.	
	Does the wa	ater system p	provide fire pro	tection?				□ No	
	Maximum fi	re flow dema	and (in gpm) fo	or water system o	or <i>pressure zo</i>	пе		1,000	
	Maximum fi	re suppressi	on duration (in	n hours) for wate.	r system or pr	essure	zone	1	
	Required Fi	ire Suppressi	ion Storage (in	gallons)			· > >/:	60,000	

2. Summary of Water System Capacity Requirements

here, e.g. fire official contact info or comments.)

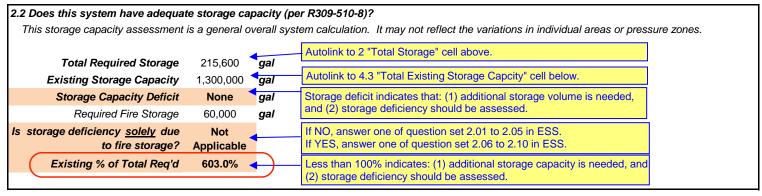
MINIMUM REQUIREMENTS FOR WATER SYSTEM								
Source	(inc	door + outdoor)	Storage (indoor + outdoor + fire)					
gpd/ER0	2	Total (gpm)	Gallons/ERC	Total (gallons)				
1,044		214.6	526	215,600				

(*Verify req'd fire flow and duration with local fire code officials.* Enter notes

.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.							
			Autolink to 2 "Total Source" cell above.				
Required Source Capacity 214.6 gpm		gpm	Autolink to 4.2 "Total Existing Source Capacity" cell below.				
Existing Source Capacity	590.0	d gpm	Source deficit indicates that: (1) additional source capacity is needed,				
Source Capacity Deficit	None	gpm	and (2) source deficiency should be assessed.				
Existing % of Total Req'd	274.9%		Less than 100% indicates: (1) additional source capacity is needed, and				
			(2) source deficiency should be assessed.				

Enter duration in

hours.



3. Transient PWS Indoor Water Use — I	ERC Calcuation	n (See R309-5	510, Tables 510-	-1, 2, & 4 for	other facility typ	pes.)		
	MINIMUM R	EQUIREMENTS						
	Sour	ce	Storage					
Facility Type	GPD/person*	GPD/site or pad	Gallons/person	Gallon/site or pad	ERC/site or pad	Total # of sites/pads	ERCs	
Modern Recreation Camp	60	0	30	0	0.00			
Semi-Developed Camp w/ flush toilets	20	0	10	0	0.00			
Semi-Developed Camp w/o flush toilets	5	0	2.5	0	0.00			
RV Park	N/A	100	N/A	50	0.13			
Number of people per camp site	If applicable, enter number of people per camp site here.							
	Source (GPD/vehicle)	Storage (Gal./vehicle)	ERC/1000 vehicles served	Vehicles served/day	ERCs	If applicable, us number in cell I cell I9 on Page	8 or	
Roadway Rest Stop w/ flushometer valves					•			

590

60

250

280

1062

300,000

1,000,000

1,300,000

4. Data Input for Calculating ERCs, Source and Storage **4.2 Summary - Existing Sources** (enter in green cells below) **Emigration Improvement District** Total Existing Source Capacity (in gpm) 4.1 Projected ERCs Calculation (optional) WS001 Freeze Creek Use this number in Cell I8 ("Number of Total Projected ERCs 300 WS005 Well #2 residential WS004 **Existing** Residential Connections 300 connections") on Upper Freeze Creek Well Page 1 to calculate Obligated Future ERCs (enter below) PROJECTED demand & reg'ts (including both existing & future connections). Maximum ERCs (assuming indoor use only) Diaphragm or air pressure tanks shall 4.3 Summary - Existing Storage Tanks (enter below) NOT be considered effective storage volume Total Existing Storage Cap. (in gallons) for (1) community systems, or (2) NTNC with significant demand UNLESS an exception ST001 Emigration/Oak Reservoir ST002 Wildflower Reservoir has been granted. (Enter notes here. If additional space is needed, click the "Additional Notes" tab on the bottom of the screen.)