Division of Drinking Water — Water System Capacity Calculation Sheet (Last Update 3/30/2017) Enter the green cells only System Name Terakee Farms Water Company System Number 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 206 Example: water use of 2 factories Number of other connections -0 ERCs of other connections 0.0 uals to water use of 55 homes.) Enter number of non-residential connections, e.g., 2 industrial connections. Total Equivalent Residential Connections (ERCs) 206.0 MIN. REQUIREMENTS FOR INDOOR WATER USE Source Storage gpd/ERC Total (gpm) Gallons/ERC Total (gallons) ลกก 1144 400 82 400 Enter estimated irrigated acre per 1.2 Outdoor Water Use residential lot here Is the drinking water used for outdoor irrigation? X No Yes0 Residential ERCs using drinking water for irrigation 0 Percentage of Residential ERCs using DW for irrigation 0% Average irrigated acreage per residential connection 0.00 Total irrigated acreage of other connections (park, school, etc.) 0.00 Enter total irrigated acres of other Irrigation zone Enter notes here regarding whether and what % of connections here irrigation water is supplied by PWS.) Select Irrigated Zone # from the pick list. See "Irrigation Demands & Map" tab on the bottom MIN. REQUIREMENTS FOR IRRIGATION USE Source Storage of the screen or WaterLink. Total (gpm) apd/ERC Gallons/FRC Total (gallons) 0 0.0 0 0 1.3 Fire Flow Water Use Enter fire flow in gpm. Does the water system provide fire protection? No Maximum fire flow demand (in gpm) for water system or pressure zone 1,000 Maximum fire suppression duration (in hours) for water system or pressure zone Required Fire Suppression Storage (in gallons) 120,000 ("Verify reg'd fire flow and duration with local fire code officials." Enter notes here, e.g. Enter duration in fire official contact info or comments.) hours. 2. Summary of Water System Capacity Requirements MINIMUM REQUIREMENTS FOR WATER SYSTEM Source (indoor + outdoor) Storage (indoor + outdoor + fire) Total (gpm) gpd/ERC Gallons/ERC Total (gallons) 800 1144 400 202 400 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. Autolink to 2 "Total Source" cell above. Required Source Capacity 1144 apm Autolink to 4.2 "Total Existing Source Capacity" cell below.

Existing Source Capacity

Source Capacity Deficit

Existing % of Total Reg'd

0.0

1144

0.0%

gpm

apm

source deficiency should be assessed.

source deficiency should be assessed.

Source deficit indicates that: (1) additional source capacity is needed, and (2)

Less than 100% indicates: (1) additional source capacity is needed, and (2)

2 Does this system have adequate sto This storage capacity assessment is a	-		calculation. It may not reflect the variations in individual areas or pressure zones.
Total Required Storage Existing Storage Capacity	202,400 0	gal gal	Autolink to 2 "Total Storage" cell above.
			Autolink to 4.3 "Total Existing Storage Capcity" cell below.
Storage Capacity Deficit	202,400	gal	Storage deficit indicates that: (1) additional storage volume is needed, and (2)
Required Fire Storage	120,000	gal	storage deficiency should be assessed.
is storage deficiency <u>solely</u> due to fire storage?	NO	4	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.
Existing % of Total Req'd	0.0%	The same of the sa	Less than 100% indicates: (1) additional storage capacity is needed, and (2) storage deficiency should be assessed.

3. Transient PWS Indoor Water Use — ERC Calcuation (See R309-510, Tables 510-1, 2, & 4 for other facility types.) MINIMUM REQUIREMENTS FOR INDOOR USE Source Storage Gallon/site o GPD/site or pad **Facility Type** GPD/person* Gallons/person ERC/site or pad Total # of sites/pads FRCe pad Modern Recreation Camp 60 30 0 0.00 0.0 Semi-Developed Camp w/ flush toilets 20 10 0 0.00 0.0 Semi-Developed Camp w/o flush toilets 5 0 2.5 0 0.00 0.0 **RV Park** N/A 100 N/A 50 0.13 0.0 Number of people per camp site If applicable, enter number of people per camp site here. If applicable, use this number in cell 18 or cell Source Storage ERC/1000 vehicles Vehicles FRCs served/day (GPD/vehicle) (Gal./vehicle) served 19 on Page 1. Roadway Rest Stop w/ flushometer valves 3.5 8.8 0.0

4. Data Input for Calculating ERCs, Source and Storage 4.2 Summary - Existing Sources (enter in green cells below) Terakee Farms Water Company Total Existing Source Capacity (in gpm) 4.1 Projected ERCs Calculation (optional) Use this number in Cell 18 ("Number of Total Projected ERCs 47 residential Existing Residential Connections connections") on Page 1 to calculate PROJECTED demand Obligated Future ERCs (enter below) 47 & reg'ts (including both existing & future connections). Terakee Farms PRUD 206 Maximum ERCs (assuming indoor use only) Diaphragm or air pressure tanks shall NOT be 4.3 Summary - Existing Storage Tanks (enter below) considered effective storage volume for (1) community systems, or (2) NTNC with significant demand UNLESS an Total Existing Storage Cap. (in gallons) 0 exception has been granted. Terakee Farms, Inc. currently owns and operates 508.04 acre feet of water in the area where the residential units will be located.