

ATTACHMENT 22

Summary of Site 300 septic systems.

System location (Building)	Septic system type	Size^a	Waste streams	Estimated design flow (gpm)^b	Estimated daily flow (gpd)^c	Depth to nearest water bearing zone/Regional (Tnbs₁) aquifer if different (ft)
801 A&D	Septic tank w/ Leach field	1000g (1) 125', (1) 100', (1) 75'	DW ^d , ME ^e	48	312	100 (Tnbs ₁ /Tnbs ₀)
802	Septic tank w/ 2 Leach fields	1000g 75' 4" pipe	DW, CT ^f , ME	30	45.8	50 (Tnbs ₁)
805	2 Septic tanks w/ Cesspool	1200g and 350g 460 sq. ft., 141 sq. ft.	DW, ME	35	45.8	50 (Tps)/300 (Tnbs ₁)
806 A	Septic tank w/ 2 Cesspools	1000g 115 sq. ft.	DW	27	72.8	50 (Tps)/300 (Tnbs ₁)
807	Septic tank w/ 2 Leach fields	1000g 75' 4" pipe	DW	25	g	50 (Tps)/300 (Tnbs ₁)
809	Septic tank w/ Cesspool	500g 315 sq. ft.	DW	23	20.8	60 (Tps)/240 (Tnbs ₁)
810	Septic tank w/ Leach field	500g 25'x4"	DW	27	104	60 (Tps)/240 (Tnbs ₁)
812 A&B	Septic tank w/ 2 Leach fields	1000g 75' 4" pipe	DW	32	g	40 (Tnbs ₁ /Tnsc ₀)
813	Septic tank w/ 3 cesspools	1480g	DW, ME, LW ^h	45	183.2 ⁱ	50 (Tps)/300 (Tnbs ₁)
817	Septic tank w/ 4 Leach fields	1000g 55' pipe	DW	23	124.8	60 (Tps)/240 (Tnbs ₁)

continued

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818	Septic tank w/ 4 Leach fields	1000g 55' pipe	DW	32	104	100 (Tnbs ₂)/220 (Tnbs ₁), confined – top of HSU
819	Septic tank w/ Leach field	1000g 120'4" tile	ME	j	g	230 (Tnsc _{1b})/270 (Tnbs ₁), confined – top of HSU
825	Septic tank w/ Leach field	500g	DW, CT, ME	23	g	No information in this area
826	Septic tank w/ 2 Leach field	500g 75' 4" tile	DW, ME	30	22.9	No information in this area
827 A	Septic tank w/ 2 Leach fields	1000g 100'4" tile	DW	30	137.4	50 (Tnsc ₁)/195 (Tnbs ₁)
830	Septic tank w/ 2 Leach fields	1000g 100'4" tile	DW, CT	27	g	20 (Qal)/100 (Tnbs ₁)
832	Septic tank w/ Cesspool	500g 25'x4'	DW	32	72.8	20 (Tnsc _{1b})/125 (Tnbs ₁)
833 & 835	Septic tank w/ 3 Leach fields	1000g 150'4" tile	DW, CT, LW,	32	31.2	40 (Tpsg)/280 (Tnbs ₁)
834 A	Septic tank w/ 2 Leach fields	1000g 75'4" tile	DW, CT	28	72.8	25 (Tpsg)/300 (Tnbs ₁)
836 A	Septic tank w/ Leach field	1000g 85'4" tile	DW	30	229	No information in this area

continued

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841	Septic tank w/ 2 Leach fields	500g 75'4" tile	DW	23	g	No information in this area
848	Septic tank w/ Leach field	500g	DW	23	10.4	No information in this area
850	Septic tank w/ 2 Leach fields	1000g 75'4" pipe	DW, CT	35	68.7	30 (Qal/WBR)
851 A&B	Septic tank w/ 2 Leach fields	1000g 100'4" tile	DW, ME	40	274.8	140 (Tmss)
854 A	Septic tank w/ Leach field	1000g 75'4" pipe	DW	27	10.4	145 (Tnbs ₁ /Tnsc ₀)
855 A	Septic tank w/ 2 Leach fields	1000g 75'4" pipe	DW	23	g	100 (Tnbs ₁ /Tnsc ₀)
858 A	Septic tank w/ Cesspool	1200g. 10'x6'	DW	27	g	90 (Tnbs ₁ /Tnsc ₀)
865	2 Septic tanks w/ Leach field	1500g each	DW	44	41.6	125 (Tnbs ₁ /Tnbs ₀)
882	2 Septic tanks w/ Leach field	1000g each	DW	27	218.4	No information in this area
892	Septic tank w/ Seepage Pit	1000g	DW	23	10.4	No information in this area

continued

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895	Septic tank w/ 2 Leach fields	500g 75'4" tile	DW	23	g	No information in this area
897	Cesspool		DW	23	g	No information in this area
899	Septic tank w/ Leach field	1500g	DW	36	52	24 (Qt- Tnbs ₁)/220 (deep Tnbs ₁)

^a Based on best available information and records.

^b Estimated design flow was calculated based on the domestic waste fixture units for each type of plumbing fixture in the building in accordance with *Appendix A, Recommended Rules for Sizing The Water Supply System, of 1997 Uniform Plumbing Code*. The toilets and urinals predominantly use flushometer valves.

^c Estimated daily flow was calculated based on the facility peak population using the following assumptions:

1. Each building occupant will use the restroom four times a day. Each use will consume 1.6 gallons of water per flush and 1.0 gallon of water for hand washing.
2. Each building occupant will take a 5-minute shower if there is shower facility in the building. The showerhead will deliver 2.0 gallons of water per minute.

^d DW= domestic waste. ^e ME = mechanical equipment wastewater. ^f CT = cooling tower blowdown.

^g There are no assigned occupants in the building. Therefore domestic plumbing fixtures are used only by transient workers. Sewage flow is minimum.

^h LW = laundry wastewater.

ⁱ This is the change house and shower facility for process area workers, therefore the daily flow is estimated on 8 persons using the facility daily rather than the peak facility population number.

^j There are no domestic plumbing fixtures in the building, previously Building 820, which has been demolished, was connected to this septic system.