

## DATA - DISTILLATION FACILITIES, PAST OPERATIONAL PERIOD

SITE	PEAK POPULATION	TYPE EQUIP. INSTALLED	TOTAL DAILY PRODUCTION CAPACITY - GALLONS	FRESH WATER STORAGE FACILITIES	PEAK DAILY USAGE OF FRESH WATER
ELMER	2732	1 S 2100 D 1 S 600 D 6 DVC 60 E 5 S 200 D *	37,920 11,520 69,120 19,200 <u>137,760</u>	1 - 1000 bbl. redwood tank 42,000 gal. 1 - Concrete reservoir 182,000 gal. 1 - 500 bbl. redwood tank 21,000 gal. TOTAL: <u>250,000 gal.</u>	169,990 gal. 7/4/56
FF	3512	8 DVC 60 E 7 S 600 D	92,160 80,640 <u>172,800</u>	3 - 1000 bbl. redwood tanks 126,000 gal. ** 2 - 1000 bbl. bolted steel tanks 84,000 gal. 2 - 500 bbl. bolted steel tanks 42,000 gal. 1 - 500 bbl. redwood tank 21,000 gal. TOTAL: <u>273,000 gal.</u> ** Note: One steel tank inactive due to advanced deterioration. Actual available storage - 231,000 gal.	196,125 gal. 5/20/56
DAVID	30	1 S 200 D	3840	2 - 100 bbl bolted steel tanks 8400 gal.	3562 gal. 7/2/56
YVONNE	384	5 Badgers	14,400	1 - 500 bbl. bolted steel tank 21,000 gal. 1 - 100 bbl. " " " 4,200 gal. TOTAL: <u>25,200 gal.</u>	24,283 gal. 4/15/56
URSULA	288	3 S 200 D	11,520	1 - 500 bbl. bolted steel tank 21,000 gal. 1 - 100 bbl. " " " 4,200 gal. TOTAL: <u>25,200 gal.</u>	13,464 gal. 4/26/56
GENE	189	2 S 200 D	7,680	1 - 500 bbl. bolted steel tank 21,000 gal. 1 - 100 bbl. " " " 4,200 gal. TOTAL: <u>25,200 gal.</u>	9,288 gal. 4/7/56

\* Note: 5 S 200 D Units installed temp. at Site Elmer following roll up of Sites Ursula and Gene.

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DEFINITION OF TERMS

DATA - DISTILLATION FACILITIES, PAST OPERATIONAL PERIOD (CONT'D.)

SITE	PEAK POPULATION	TYPE EQUIP. INSTALLED	TOTAL DAILY PRODUCTION CAPACITY - GALLONS	FRESH WATER STORAGE FACILITIES	PEAK DAILY USAGE OF FRESH WATER
NAN	1229	2 S 600 D 5 Badgers	23,040 <u>14,400</u> 37,440	1 - 1000 bbl. bolted steel tank 42,000 gal. 2 - 500 bbl. " " " 42,000 gal. 1 - 100 bbl. " " " 4,200 gal. TOTAL: 88,200 gal.	41,886 gal. 5/26/56
FGK	285	2 S 200 D 1 Badger	7,680 <u>2,880</u> 10,560	1 - 500 bbl. bolted steel tank 21,000 gal. 1 - 100 bbl. " " " 4,200 gal. TOTAL: 25,200 gal.	10,137 gal. 5/4/56
TARE	227	2 S 200 D	7,680	1 - 500 bbl. bolted steel tank 21,000 gal. 1 - 100 bbl. " " " 4,200 gal. TOTAL: 25,200 gal.	8,095 gal. 5/4/56

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PROPOSED DISTILLATION EQUIPMENT - FUTURE OPERATIONAL PERIODS

SITE	ANTICIPATED POPULATION	PROPOSED EQUIPMENT	DAILY PRODUCTION POTENTIAL - GAL.	RECOMMENDED STORAGE FACILITIES	ESTIMATED CONSUMPTION
ELMER	2800	6 - DVC 60 E 2 - S 600 D 2 - S 2100 D	69,120 gal. 23,040 gal. 75,840 gal. <u>168,000 gal.</u>	1 - 187,000 gal. concrete reservoir (existing) 1 - 21,000 gal. Redwood tank-tower (existing) 1 - 300,000 gal. concrete reservoir (proposed new construction) <u>508,000 gal.</u>	140,000 gal.
FRED	4000	1 - Set Flash Evaporators 8 - DVC 60 E	113,000 gal. 96,960 gal. <u>209,960 gal.</u>	2 - 250,000 gal concrete reservoirs (proposed new construction) 1 - 21,000 gal redwood tower tank (existing) <u>521,000 gal.</u>	200,000 gal.
DAVID	30	1 - S 200 D	3,840 gal.	2 - 4200 gal. steel tanks (existing)	900 gal.
YVONNE	400	2 - S 600 D	23,040 gal. <u>23,040 gal.</u>	1 - 500 bbl. steel ground storage tank 1 - 100 bbl. steel tower service tank <u>25,200 gal.</u>	16,000 gal.
URSULA	300	1 S 600 D 1 S 200 D	11,520 gal. 3,840 gal. <u>15,360 gal.</u>	1 - 500 bbl. Steel ground storage tank 1 - 100 bbl. Steel Tower Service Tank <u>25,200 gal.</u>	12,000 gal.
GENE	200	2 S 200 D	7,680 gal. <u>7,680 gal.</u>	1 - 500 bbl. steel ground storage tank 1 - 100 bbl. steel tower service tank <u>25,200 gal.</u>	6,000 gal.
NAN	900	4 - S 600 D	45,080 gal. <u>45,080 gal.</u>	1 - 1000 bbl. Steel ground storage tank(existing) 2 - 500 bbl. " " " " 1 - 100 bbl. Steel Tower service tank " <u>88,200 gal.</u>	36,000 gal.
FOX	300	1 S 600 D 1 S 200 D	11,520 gal. 3,840 gal. <u>15,360 gal.</u>	1 - 500 bbl. steel ground storage tank 1 - 100 bbl. steel tower service tank <u>25,200 gal.</u>	12,000 gal.

PROPOSED DISTILLATION EQUIPMENT & FUTURE OPERATIONAL PERIODS

SITE	ANTICIPATED POPULATION	PROPOSED EQUIPMENT	DAILY PRODUCTION POTENTIAL - GAL,	RECOMMENDED STORAGE FACILITIES	ESTIMATED CONSUMPTION
TARE	225	3 - S 200 D	11,520 gal. <u>11,520 gal.</u>	1 - 500 bbl. steel ground storage tank 1 - 100 bbl. steel tower service tank <u>25,200 gal.</u>	6,750 gal.
CAMP 10	200	2 - S 200 D	7,680 gal. <u>7,680 gal.</u>	1 - 500 bbl. steel ground storage tank 1 - 100 bbl. steel tower service tank <u>25,200 gal.</u>	6,000 gal.



DATA ON GENERATORS OF 100 KW CAPACITY AND HIGHER - ENIWETOK ATOLL

SITE	NO. UNITS.	MANUFACTURER	RATED CAPACITY EACH	TOTAL CAPACITY
ELMER	4 1	GMC CLEVELAND DIESEL GMC	1000 KW 3/60/2400 600 KW 3/60/2400	4000 KW 600 KW <u>4600 KW</u>
FRED	1 2 1 4 1	GMC CATERPILLAR CATERPILLAR FAIRBANKS-MORSE FAIRBANKS-MORSE	600 KW 3/60/2400 150 KW 3/60/2400 135 KW 3/60/2400 122 KW 3/60/2400 167 KW 3/60/2400	600 KW 300 KW 135 KW 488 KW <u>167 KW</u> 1690 KW
DAVID	1 1	GMC GMC	60 KW 3/60/208 75 KW 3/60/208	60 KW <u>75 KW</u> 135 KW
YVONNE	6	CATERPILLAR	150 KW 3/60/4160	900 KW
URSULA	2 3	CATERPILLAR FAIRBANKS-MORSE	150 KW 3/60/2400 101 KW 3/60/2400	300 KW <u>303 KW</u> 603 KW
PEARL	2	CATERPILLAR	150 KW 3/60/2400	300 KW
IRENE	2	CATERPILLAR	150 KW 3/60/2400	300 KW

DATA ON GENERATORS OF 100 KW CAPACITY AND HIGHER - BIKINI ATOLL

NAN	3 2 1	CATERPILLAR FAIRBANKS-MORSE FAIRBANKS-MORSE	150 KW 3/60/2400 122 KW 3/60/2400 101 KW 3/60/2400	450 KW 244 KW <u>101 KW</u> 795 KW
DOG	2	BUDA	100 KW 3/60/240	200 KW
SUGAR	1	BUDA	100 KW 3/60/208	100 KW

Fresh water expended for decontamination purposes. (Rad-Safe). May through July.

ENIWETOK ATOLL:

SITE	SHOT DAYS	DAILY
FRED	25,000 gallons	5,000 gallons
ELMER		5,000 gallons

BIKINI ATOLL:

NAN		900 gallons
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FF	3512	8 DVC 60 E 7 S 600 D	92,160 80,640 <u>172,800.</u>	3 - 1000 bbl. redwood tanks 126,000 gal. ** 2 - 1000 bbl. bolted steel tanks 84,000 gal. 2 - 500 bbl. bolted steel tanks 42,000 gal. 1 - 500 bbl. redwood tank 21,000 gal. TOTAL: <u>273,000 gal.</u> ** Note: One steel tank inactive due to advanced deterioration. Actual available storage - 231,000 gal.	196,125 gal. 5/20/56
DAVID	30	1 S 200 D	3840	2 - 100 bbl bolted steel tanks 8400 gal.	3562 gal. 7/2/56
YVORNE	384	5 Badgers	14,400	1 - 500 bbl. bolted steel tank 21,000 gal. 1 - 100 bbl. " " " 4,200 gal. TOTAL: <u>25,200 gal.</u>	24,283 gal. 4/15/56
URSULA	288	3 S 200 D	11,520	1 - 500 bbl. bolted steel tank 21,000 gal. 1 - 100 bbl. " " " 4,200 gal. TOTAL: <u>25,200 gal.</u>	13,464 gal. 4/26/56
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FGX	285	2 S 200 D 1 Badger	7,680 <u>2,880</u> 10,560	1 - 500 bbl. bolted steel tank 21,000 gal. 1 - 100 bbl. " " " 4,200 gal. TOTAL: 25,200 gal.	10,137 gal. 5/4/56
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PROPOSED DISTILLATION EQUIPMENT - FUTURE OPERATIONAL PERIODS

SITE	ANTICIPATED POPULATION	PROPOSED EQUIPMENT	DAILY PRODUCTION POTENTIAL - GAL.	RECOMMENDED STORAGE FACILITIES	ESTIMATED CONSUMPTION
ELMER	2800	6 - DVC 60 E 2 - S 600 D 2 - S 2100 D	69,120 gal. 23,040 gal. 75,840 gal. <u>168,000 gal.</u>	1 - 187,000 gal. concrete reservoir (existing) 1 - 21,000 gal. Redwood tank-tower (existing) 1 - 300,000 gal. concrete reservoir (proposed new construction) <u>508,000 gal.</u>	140,000 gal.
FRED	4000	1 - Set Flash Evaporators 8 - DVC 60 E	113,000 gal. 96,960 gal. <u>209,960 gal.</u>	2 - 250,000 gal concrete reservoirs (proposed new construction) 1 - 21,000 gal redwood tower tank (existing) <u>521,000 gal.</u>	200,000 gal.
DAVID	30	1 - S 200 D	3,840 gal.	2 - 4200 gal. steel tanks (existing)	900 gal.
YVONNE	400	2 - S 600 D	23,040 gal. <u>23,040 gal.</u>	1 - 500 bbl. steel ground storage tank 1 - 100 bbl. steel tower service tank <u>25,200 gal.</u>	16,000 gal.
URSULA	300	1 S 600 D 1 S 200 D	11,520 gal. 3,840 gal. <u>15,360 gal.</u>	1 - 500 bbl. Steel ground storage tank 1 - 100 bbl. Steel Tower Service Tank <u>25,200 gal.</u>	12,000 gal.
GENE	200	2 S 200 D	7,680 gal. <u>7,680 gal.</u>	1 - 500 bbl. steel ground storage tank 1 - 100 bbl. steel tower service tank <u>25,200 gal.</u>	6,000 gal.
NAN	900	4 - S 600 D	45,080 gal. <u>45,080 gal.</u>	1 - 1000 bbl. Steel ground storage tank (existing) 2 - 500 bbl. " " " " 1 - 100 bbl. Steel Tower service tank " <u>88,200 gal.</u>	36,000 gal.
FOX	300	1 S 600 D 1 S 200 D	11,520 gal. 3,840 gal. <u>15,360 gal.</u>	1 - 500 bbl. steel ground storage tank 1 - 100 bbl. steel tower service tank <u>25,200 gal.</u>	12,000 gal.

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CAMP 10	200	2 - S 200 D	7,680 gal. <u>7,680 gal.</u>	1 - 500 bbl. steel ground storage tank 1 - 100 bbl. steel tower service tank <u>25,200 gal.</u>	6,000 gal.

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FRED	1 2 1 4 1	GMC CATERPILLAR CATERPILLAR FAIRBANKS-MORSE FAIRBANKS-MORSE	600 KW 3/60/2400 150 KW 3/60/2400 135 KW 3/60/2400 122 KW 3/60/2400 167 KW 3/60/2400	600 KW 300 KW 135 KW 488 KW <u>167 KW</u> 1690 KW
DAVID	1 1	GMC GMC	60 KW 3/60/208 75 KW 3/60/208	60 KW 75 KW <u>135 KW</u>
YVONNE	6	CATERPILLAR	150 KW 3/60/4160	900 KW
URSULA	2 3	CATERPILLAR FAIRBANKS-MORSE	150 KW 3/60/2400 101 KW 3/60/2400	300 KW 303 KW <u>603 KW</u>
PEARL	2	CATERPILLAR	150 KW 3/60/2400	300 KW
IRENE	2	CATERPILLAR	150 KW 3/60/2400	300 KW

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NAN	3 2 1	CATERPILLAR FAIRBANKS-MORSE FAIRBANKS-MORSE	150 KW 3/60/2400 122 KW 3/60/2400 101 KW 3/60/2400	450 KW 244 KW 101 KW <u>795 KW</u>
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Fresh water expended for decontamination purposes. (Rad-Safe). May through July.

ENIWETOK ATOLL:

SITE	SHOT DAYS	DAILY
FRED	25,000 gallons	5,000 gallons
ELMER		5,000 gallons

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NAN		900 gallons
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F D	3512	8 DVC 60 E 7 S 600 D	92,160 80,640 <u>172,800.</u>	(3) - 1000 bbl. redwood tanks 126,000 gal. ✓ ** 2 - 1000 bbl. bolted steel tanks 84,000 gal. (2) - 500 bbl. bolted steel tanks 42,000 gal. ✓ 1 - 500 bbl. redwood tank 21,000 gal. — EXIST PLAN TOTAL: <u>273,000 gal.</u> ** Note: One steel tank inactive due to advanced deterioration. Actual available storage - 231,000 gal.	196,125 gal. 5/20/56
DAVID	30	1 S 200 D	3840	2 - 100 bbl bolted steel tanks 8400 gal.	3562 gal. 7/2/56
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\* Note: 5 S 200 D Units installed temp. at Site Elmer following roll up of Sites Ursula and Gene.

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DATA - DISTILLATION FACILITIES, PAST OPERATIONAL PERIOD (CONT'D.)

SITE	PEAK POPULATION	TYPE EQUIP. INSTALLED	TOTAL DAILY PRODUCTION CAPACITY - GALLONS	FRESH WATER STORAGE FACILITIES	PEAK DAILY USAGE OF FRESH WATER
NAN	1229	2 S 600 D 5 Badgers	23,040 <u>14,400</u> 37,440	1 - 1000 bbl. bolted steel tank 42,000 gal. 2 - 500 bbl. " " " 42,000 gal. 1 - 100 bbl. " " " 4,200 gal. TOTAL: 88,200 gal.	41,886 gal. 5/26/56
FGK	285	2 S 200 D 1 Badger	7,680 <u>2,880</u> 10,560	1 - 500 bbl. bolted steel tank 21,000 gal. 1 - 100 bbl. " " " 4,200 gal. TOTAL: 25,200 gal.	10,137 gal. 5/4/56
TARE	227	2 S 200 D	7,680	1 - 500 bbl. bolted steel tank 21,000 gal. 1 - 100 bbl. " " " 4,200 gal. TOTAL: 25,200 gal.	8,095 gal. 5/4/56

PROPOSED DISTILLATION EQUIPMENT - FUTURE OPERATIONAL PERIODS

SITE	ANTICIPATED POPULATION	PROPOSED EQUIPMENT	DAILY PRODUCTION POTENTIAL - GAL.	RECOMMENDED STORAGE FACILITIES	ESTIMATED CONSUMPTION
ELMER	2800	6 - DVC 60 E 2 - S 600 D 2 - S 2100 D	69,120 gal. 23,040 gal. 75,840 gal. <u>168,000 gal.</u>	1 - 187,000 gal. concrete reservoir (existing) 1 - 21,000 gal. Redwood tank-tower (existing) 1 - 300,000 gal. concrete reservoir (proposed new construction) <u>508,000 gal.</u>	140,000 gal.
FRED	4000	1 Set Flash Evaporators 8 - DVC 60 E	113,000 gal. 96,960 gal. <u>209,960 gal.</u>	2 - 250,000 gal concrete reservoirs (proposed new construction) 1 - 21,000 gal redwood tower tank (existing) <u>521,000 gal.</u>	200,000 gal.
DAVID	30	1 - S 200 D	3,840 gal.	2 - 4200 gal. steel tanks (existing)	900 gal.
YVONNE	400	2 - S 600 D	23,040 gal. <u>23,040 gal.</u>	1 - 500 bbl. steel ground storage tank 1 - 100 bbl. steel tower service tank <u>25,200 gal.</u>	16,000 gal.
URSULA	300	1 S 600 D 1 S 200 D	11,520 gal. 3,840 gal. <u>15,360 gal.</u>	1 - 500 bbl. Steel ground storage tank 1 - 100 bbl. Steel Tower Service Tank <u>25,200 gal.</u>	12,000 gal.
GENE	200	2 S 200 D	7,680 gal. <u>7,680 gal.</u>	1 - 500 bbl. steel ground storage tank 1 - 100 bbl. steel tower service tank <u>25,200 gal.</u>	6,000 gal.
NAN	900	4 - S 600 D	45,080 gal. <u>45,080 gal.</u>	1 - 1000 bbl. Steel ground storage tank (existing) 2 - 500 bbl. " " " " " 1 - 100 bbl. Steel Tower service tank " <u>88,200 gal.</u>	36,000 gal.
FOX	300	1 S 600 D 1 S 200 D	11,520 gal. 3,840 gal. <u>15,360 gal.</u>	1 - 500 bbl. steel ground storage tank 1 - 100 bbl. steel tower service tank <u>25,200 gal.</u>	12,000 gal.

PROPOSED DISTILLATION EQUIPMENT & FUTURE OPERATIONAL PERIODS

SITE	ANTICIPATED POPULATION	PROPOSED EQUIPMENT	DAILY PRODUCTION POTENTIAL - GAL.	RECOMMENDED STORAGE FACILITIES	ESTIMATED CONSUMPTION
TARE	225	3 - S 200 D	11,520 gal. <u>11,520 gal.</u>	1 - 500 bbl. steel ground storage tank 1 - 100 bbl. steel tower service tank <u>25,200 gal.</u>	6,750 gal.
CAMP 10	200	2 - S 200 D	7,680 gal. <u>7,680 gal.</u>	1 - 500 bbl. steel ground storage tank 1 - 100 bbl. steel tower service tank <u>25,200 gal.</u>	6,000 gal.

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DATA ON GENERATORS OF 100 KW CAPACITY AND HIGHER - ENIWETOK ATOLL

SITE	NO. UNITS.	MANUFACTURER	RATED CAPACITY EACH	TOTAL CAPACITY
ELMER	4 1	GMC CLEVELAND DIESEL GMC	1000 KW 3/60/2400 600 KW 3/60/2400	4000 KW 600 KW <u>4600 KW</u>
FRED	1 2 1 4 1	GMC CATERPILLAR CATERPILLAR FAIRBANKS-MORSE FAIRBANKS-MORSE	600 KW 3/60/2400 150 KW 3/60/2400 135 KW 3/60/2400 122 KW 3/60/2400 167 KW 3/60/2400	600 KW 300 KW 135 KW 488 KW <u>167 KW</u> 1690 KW
DAVID	1 1	GMC GMC	60 KW 3/60/208 75 KW 3/60/208	60 KW 75 KW <u>135 KW</u>
YVONNE	6	CATERPILLAR	150 KW 3/60/4160	900 KW
URSULA	2 3	CATERPILLAR FAIRBANKS-MORSE	150 KW 3/60/2400 101 KW 3/60/2400	300 KW 303 KW <u>603 KW</u>
PEARL	2	CATERPILLAR	150 KW 3/60/2400	300 KW
IRENE	2	CATERPILLAR	150 KW 3/60/2400	300 KW

DATA ON GENERATORS OF 100 KW CAPACITY AND HIGHER - BIKINI ATOLL

NAN	3 2 1	CATERPILLAR FAIRBANKS-MORSE FAIRBANKS-MORSE	150 KW 3/60/2400 122 KW 3/60/2400 101 KW 3/60/2400	450 KW 244 KW 101 KW <u>795 KW</u>
DOG	2	BUDA	100 KW 3/60/240	200 KW
SUGAR	1	BUDA	100 KW 3/60/208	100 KW

Fresh water expended for decontamination purposes. (Rad-Safe). May through July.

ENIWETOK ATOLL:

SITE	SHOT DAYS	DAILY
FRED	25,000 gallons	5,000 gallons
ELMER		5,000 gallons

BIKINI ATOLL:

NAN		900 gallons
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