NAVSHIPS 3676 (REV. 11-50)

# LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY V

U. S. S. GLENN HOWARD POPE PLANT NO. II

AT ANCHOR

TIME: ZONE DESCRIPTION SET CLOCKS AHEAD OR BACK MINUTES AT DATE 9-7 19 67

| | 9-8-67 HOUR ENDING | | | | | | | | | | | | | | | | 9-VII-67 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 |
| STEAM TO REG. VALVE, PRESSURE #G | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 8 |
| STEAM FROM REG. VALVE, PRESSURE #G | 5 | | | 5" | 5" | 5" | 5" | 5 | 5 | 5 | 5 | 5 | | 5 | 5 | 5" | 5" | 5" | 5" | 5 | 5 | 5 | 5 | 5 |
| STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G | 2 | | | 2" | 2" | 2" | 2" | 2 | 2 | 2 | 2 | | | 1 | 1 | 1" | 1" | 2" | 2" | 2 | 2 | 2 | 2 | 2 |
| STEAM TO 1ST EFFECT, TEMPERATURE, °F | 240 | | | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | | | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| 1ST EFFECT COIL DRAIN, TEMPERATURE, °F | 190 | | | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | | | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 |
| 1ST EFFECT SHELL PRESSURE, "HG | 10 | | | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | | | 1 | 1 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | 10 |
| 2D EFFECT COIL DRAIN, TEMPERATURE, °F | 158 | | | 160 | 160 | 160 | 142 | 160 | 160 | 160 | 160 | | | 160 | 160 | 160 | 160 | 160 | 160 | 158 | 158 | 158 | 158 | 158 |
| 2D EFFECT SHELL PRESSURE, "HG | 23 | | | 23" | 23" | 23" | 23" | 23 | 23 | 23 | 23 | | | 23 | 23 | 23" | 23" | 23" | 23" | 23 | 23 | 23 | 23 | 23 |
| 3D EFFECT COIL DRAIN, TEMPERATURE, °F | 146 | | | 146 | 144 | 146 | 146 | 146 | 146 | 146 | 146 | | | 144 | 144 | 146 | 146 | 144 | 144 | NV | NV | NV | NV | 146 |
| 3D EFFECT SHELL PRESSURE, "HG | 25 | | | 25" | 25" | 25" | 23" | 23 | 23 | 23 | 23 | | | 25 | 25 | 25" | 25" | 29" | 29" | 25 | 25 | 25 | 25 | 29 |
| CONDENSATE TO COOLER, TEMPERATURE, °F | 128 | | | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | | | 130 | 130 | 130 | 130 | 130 | 130 | 128 | 128 | 128 | 128 | 128 |
| CONDENSATE FROM COOLER, TEMPERATURE, °F | 96 | | | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | | | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| BRINE OVERBOARD, TEMPERATURE, °F | 120 | | | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | | | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| STEAM TO AIR EJECTOR, PRESSURE, #G | 96 | | | 98 | 94 | 96 | 96 | 96 | 96 | 96 | 96 | | | 92 | 92 | 94 | 94 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| AIR EJECTOR DRAINS, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. WATER INJECTION, TEMPERATURE, °F | 80 | | | 81 | 81 | 81 | 81 | 80 | 80 | 80 | 80 | | | 81 | 81 | 81 | 81 | 81 | 81 | 80 | 80 | 80 | 80 | 80 |
| CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F | 80 | | | 81 | 81 | 81 | 81 | 80 | 80 | 80 | 80 | | | 81 | 81 | 81 | 81 | 81 | 81 | 80 | 80 | 80 | 80 | 80 |
| CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F | 146 | | | 146 | 146 | 144 | 146 | 146 | 146 | 146 | 146 | | | 146 | 146 | 146 | 146 | 144 | 146 | 146 | 146 | 146 | 146 | 146 |
| FEED TO 1ST EFFECT, TEMPERATURE, °F | 164 | | | 166 | 166 | 164 | 168 | 162 | 164 | 164 | 164 | | | 164 | 164 | 164 | 164 | 164 | 166 | 164 | 164 | 164 | 164 | 164 |
| CIRC. WATER OVERBOARD, TEMPERATURE, °F | 102 | | | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | | | 104 | 104 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. PUMP SUCTION PRESSURE, #G | 3 | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CIRC. PUMP DISCHARGE PRESSURE, #G | 19 | | | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | | | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| BRINE PUMP SUCTION PRESSURE, #G | 26 | | | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | | | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 |
| BRINE PUMP DISCHARGE PRESSURE, #G | 15 | | | 14 | 16 | 16 | 14 | 16 | 16 | 16 | 16 | | | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| FEED PUMP SUCTION PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED PUMP DISCHARGE PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| 1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G | 3 | | | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | | | 3 | 3 | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 |
| 1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G | 38 | | | 42 | 42 | 42 | 42 | 4V | 4V | 4V | 4V | | | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| F. W. PUMP DISCHARGE PRESSURE | 10 | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED DENSITY, 32NDS | | | | | | | | | | | | | | | | | | | | | | | | |
| BRINE OVERBOARD DENSITY, 32NDS | 1.78 | | | 1.6 | 1.6 | 1.6 | 1.6 | 1.7 | 1.7 | 1.7 | 1.7 | | | 1.78 | 1.78 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| | ~~40~~ | | | | | | | | | | | | | | | | | | | | | | | |
| | 20 | | | 30 | 30 | 30 | 20 | 20 | 20 | 20 | 20 | | | 40 | 40 | 40 | 40 | 40 | 40 | 30 | 20 | 20 | 20 | 20 |
| AIR EJECTOR DRAINS, SALINITY—E. P. M. | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1ST EFFECT DRAINS, SALINITY—E. P. M. | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONDENSATE FROM COOLER, SALINITY—E. P. M. | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

PLATE NO. 11613

9-8-67 II 9-7-67

## DISTILLED WATER RECORD

| HOUR ENDING | METER READING | GALLONS SHIPS TANKS* | GALLONS FEED TANKS* |
|---|---|---|---|
| 0000 | 07700400 | | |
| 0100 | 07720700 | 1500 | |
| 0200 | 07722100 | 1400 | |
| 0300 | 07723500 | 1400 | |
| 0400 | 07725100 | 1600 | |
| 0500 | 07726600 | 1500 | |
| 0600 | 07728000 | 1400 | |
| 0700 | 07729500 | 1500 | |
| 0800 | 07730900 | 1400 | |
| 0900 | 07732200 | | 1400 |
| 1000 | 07734700 | | 1500 |
| 1100 | 07735100 | | 1400 |
| 1200 | 07702000 | 1600 | |
| 1300 | 07703600 | 1600 | |
| 1400 | 07705100 | 1600 | |
| 1500 | 07706300 | 1100 | |
| 1600 | 07707700 | 1400 | |
| 1700 | 07709200 | 1500 | |
| 1800 | 07710700 | 1500 | |
| 1900 | 07712100 | 1400 | |
| 2000 | 07713500 | 1400 | |
| 2100 | 07714800 | 1300 | |
| 2200 | 07716400 | 26,200 | 1400 |
| 2300 | 07717700 | | 1500 |
| 2400 | 07719200 | — — | 1400 |
| | | | 8,700 |

* *Indicate under REMARKS number of tanks being filled.*

## SCALING RECORD

| | EFFECT NO. 1 | NO. 2 | NO. 3 |
|---|---|---|---|
| DATE LAST SCALED | | | |
| HOURS BROUGHT FORWARD | 144 | | |
| HOURS THIS DATE | | | |
| HOURS TO DATE | | | |
| GALLONS BROUGHT FORWARD | 77540 | | |
| GALLONS THIS DATE | | | |
| GALLONS TO DATE | | | |

CHECKED (Signature)

APPROVED

(Engineer Officer, U. S. N.)

NAVSHIPS 3676 (REV. 11-50) BACK

## REMARKS

0000–0400

#2 [illegible] POT

[illegible] 1400 GALS

SIGNED McRay Hill

0400–0800

#2 Evap. Dist. To #3 &

Added 10 oz chlorine per 1000 gals

SIGNED R. Shepard

0800–1200

#-2 Evap. Dist. To

#-1 Strd Feed

SIGNED E. J. Magallanes

1200–1600

#2- EVAP DIST TO #3 & POT

ADDED 10 OZ CHLORINE PER 1000 GALS

SIGNED McRay Hill

1600–2000

#2 Evap. Dist. To #3 &

Added 10 oz chlorine per 1000 gals Dist

SIGNED R. Shepard

2000–2400

#-2 Evap. Dist. To

#-1 Strd Feed

SIGNED E. J. Magallanes

*Stocked in CDS*

*For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.*

PLATE NO. 11613 (BACK)

119
2K
154
1

NAVSHIPS 3676 (REV. 11-50)

# LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY ✓ U. S. S. GUAM (LOTHIAN) PLANT NO. II

AT ANCHOR _____ TIME: ZONE DESCRIPTION _____ SET CLOCKS AHEAD OR BACK _____ MINUTES AT _____ DATE 9-7 .19 67

| | 9-7-67 HOUR ENDING | | | | | | | | | | | | | | | 9-7-67 HOUR ENDING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 |
| STEAM TO REG. VALVE, PRESSURE #G | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| STEAM FROM REG. VALVE, PRESSURE #G | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G | 5 | 5 | 5 | 4" | 4" | 4" | 4" | 3 | 3 | 3 | 3 | | | | | 5" | 5" | 5" | 5" | 5 | 5 | 5 | 5 | 5 |
| STEAM TO 1ST EFFECT, TEMPERATURE, °F | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | | | | | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| 1ST EFFECT COIL DRAIN, TEMPERATURE, °F | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | | | | | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 |
| 1ST EFFECT SHELL PRESSURE, "HG | 15 | 15 | 15 | 15" | 15" | 15" | 15" | 15 | 15 | 15 | 15 | | | | | 15" | 15" | 15" | 15" | 15 | 15 | 15 | 15 | 15 |
| 2D EFFECT COIL DRAIN, TEMPERATURE, °F | 158 | 158 | 158 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | | | | | 162 | 162 | 162 | 162 | 158 | 158 | 158 | 158 | 158 |
| 2D EFFECT SHELL PRESSURE, "HG | 16 | 16 | 16 | 16" | 16" | 16" | 16" | 16 | 16 | 16 | 16 | | | | | 16" | 16" | 16" | 16" | 16 | 16 | 16 | 16 | 16 |
| 3D EFFECT COIL DRAIN, TEMPERATURE, °F | 150 | 150 | 150 | 152 | 152 | 152 | 152 | 152 | 152 | 152 | 152 | | | | | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 3D EFFECT SHELL PRESSURE, "HG | 24 | 24 | 24 | 24" | 24" | 24" | 24" | 24 | 24 | 24 | 24 | | | | | 24" | 24" | 24" | 24" | 24 | 24 | 24 | 24 | 24 |
| CONDENSATE TO COOLER, TEMPERATURE, °F | 130 | 130 | 130 | 132 | 132 | 132 | 132 | 130 | 132 | 132 | 132 | | | | | 130 | 130 | 132 | 132 | 130 | 130 | 130 | 130 | 130 |
| CONDENSATE FROM COOLER, TEMPERATURE, °F | 93 | 93 | 93 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | | | | | 94 | 93 | 94 | 94 | 94 | 94 | 94 | 94 | 93 |
| BRINE OVERBOARD, TEMPERATURE, °F | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | | | | | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| STEAM TO AIR EJECTOR, PRESSURE, #G | 98 | 98 | 98 | 98 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | | | | | 94 | 94 | 96 | 96 | 98 | 95 | 98 | 98 | 98 |
| AIR EJECTOR DRAINS, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. WATER INJECTION, TEMPERATURE, °F | 80 | 80 | 80 | 81 | 81 | 81 | 81 | 80 | 80 | 80 | 80 | 80 | 80 | 81 | | 81 | 81 | 81 | 81 | 80 | 80 | 80 | 80 | 80 |
| CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F | 80 | 80 | 80 | 81 | 81 | 81 | 81 | 80 | 80 | 80 | 80 | 80 | 82 | 81 | | 81 | 81 | 81 | 81 | 80 | 80 | 80 | 80 | 80 |
| CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT, TEMPERATURE, °F | 164 | 168 | 168 | 166 | 166 | 166 | 166 | 165 | 165 | 166 | 166 | 164 | 164 | 164 | 164 | 166 | 166 | 166 | 166 | 165 | 165 | 165 | 165 | 164 |
| CIRC. WATER OVERBOARD, TEMPERATURE, °F | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 104 | 106 | 106 | 106 | 104 | 104 | 104 | 104 | 104 | 104 | 106 | 106 | 106 | 106 | 106 | 106 | 106 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. PUMP SUCTION PRESSURE, #G | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| CIRC. PUMP DISCHARGE PRESSURE, #G | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| BRINE PUMP SUCTION PRESSURE, #G | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 |
| BRINE PUMP DISCHARGE PRESSURE, #G | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| FEED PUMP SUCTION PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED PUMP DISCHARGE PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| 1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G | 7 | 7 | 7 | 5" | 5" | 5" | 5" | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 7" | 7" | 7" | 7" | 7 | 7 | 7 | 7 | 7 |
| 1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G | 38 | 38 | 38 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| F. W. PUMP DISCHARGE PRESSURE | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED DENSITY, 32NDS | | | | | | | | | | | | | | | | | | | | | | | | |
| BRINE OVERBOARD DENSITY, 32NDS | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.78 | 1.78 | 1.78 | 1.76 | 1.76 | 1.76 | 1.76 | 1.77 | 1.77 | 1.77 | 1.77 | 1.75 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| AIR EJECTOR DRAINS, SALINITY—E. P. M. | 30 | 30 | | 30 | 30 | 30 | 30 | 20 | 20 | 20 | 20 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 20 | 20 | 20 | 20 | 20 |
| 1ST EFFECT DRAINS, SALINITY—E. P. M. | 02 | 02 | 02 | .02 | .02 | .02 | .01 | 01 | 01 | 02 | 01 | | 02 | 02 | 02 | .02 | .02 | .02 | .01 | 02 | 01 | 02 | 02 | 02 |
| CONDENSATE FROM COOLER, SALINITY—E. P. M. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

PLATE NO. 11613

9-8-67 #1 9-7-67

## DISTILLED WATER RECORD

| HOUR ENDING | METER READING | GALLONS SHIPS TANKS* | GALLONS FEED TANKS* |
|---|---|---|---|
| 0000 | 12461600 | | |
| 0100 | 12481100 | 1500 | |
| 0200 | 12482500 | 1400 | |
| 0300 | 12483900 | 1400 | |
| 0400 | 12485400 | 1500 | |
| 0500 | 12486800 | 1400 | |
| 0600 | 12488200 | 1400 | |
| 0700 | 12489600 | 1400 | |
| 0800 | 12491000 | 1400 | |
| 0900 | 12492400 | | 1400 |
| 1000 | 12493900 | | 1500 |
| 1100 | 12495500 | | 1600 |
| 1200 | 12463000 | 1400 | |
| 1300 | 12464400 | 1400 | |
| 1400 | 12465800 | 1400 | |
| 1500 | 12467100 | 1300 | |
| 1600 | 12468300 | 1200 | |
| 1700 | 12469800 | 1500 | |
| 1800 | 12471200 | 1400 | |
| 1900 | 12472600 | 1400 | |
| 2000 | 12473900 | 1300 | |
| 2100 | 12475300 | — | 1400 |
| 2200 | 12476700 | 23,700 | 1400 |
| 2300 | 12478200 | | 1500 |
| 2400 | 12479600 | — — | 1400 |
| | | | 9,700 |

* *Indicate under REMARKS number of tanks being filled.*

## SCALING RECORD

| | EFFECT NO. 1 | NO. 2 | NO. 3 |
|---|---|---|---|
| DATE LAST SCALED | | | |
| HOURS BROUGHT FORWARD | 144 | | |
| HOURS THIS DATE | | | |
| HOURS TO DATE | | | |
| GALLONS BROUGHT FORWARD | 191500 | | |
| GALLONS THIS DATE | | | |
| GALLONS TO DATE | | | |

CHECKED (Signature)

APPROVED

(Engineer Officer, U. S. N.)

## REMARKS

0000–0400

#1 EVAP DIST TO #3 & P&T

ADDED 10 OZ CHLORINE PER 1000 GALS

SIGNED

1200–1600

#1 EVAP DIST TO #3 & P&T

ADDED 10 OZ CHLORINE PER 1000 GALS

SIGNED McRaghill

0400–0800

#1 Evap. Dist. To #3 &

Add-d 10 oz chlorine per 1000 Gals.

#1 port- 23'- Test 2 Drops
#1 Std- 18'- Test 2 Drops
#2 port- 23'- Test 2 Drops
#2 Std- 16'- Test 2 Drops

SIGNED R. Shepard

1600–2000

#1 Evap. Dist. To #3 &

Add-d 10 oz Chlorine per 1000 Gals Dist.

SIGNED R. Shepard

0800–1200

#-1 Evap. Dist. To

#-1 Std Feed

SIGNED E. A. Magallanes

2000–2400

#-1 Evap. Dist. To

#-1 Std Feed

SIGNED E. A. Magallanes

NAVSHIPS 3676 (REV. 11-50) BACK

*Stocked in CDS*

*For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.*

PLATE NO. 11613 (BACK)

NAVSHIPS 3676 (REV. 11-60)

# LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY ✓ U. S. S. USS Monroe Doe PLANT NO. 1

AT ANCHOR ____ TIME: ZONE DESCRIPTION ____ SET CLOCKS AHEAD / BACK 20 min MINUTES AT 2300 - 0100 - 0500 DATE 9-6 19 67

| | 9-7-67 HOUR ENDING | | | | | | | | | | | | | | | 9-6-67 HOUR ENDING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 |
| STEAM TO REG. VALVE, PRESSURE #G | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| STEAM FROM REG. VALVE, PRESSURE #G | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | 3" | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G | 6 | 6 | 6 | 6" | 6" | 6" | 6" | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 8" | 5" | 6" | 6" | 6 | 6 | 6 | 6 | 6 |
| STEAM TO 1ST EFFECT, TEMPERATURE, °F | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| 1ST EFFECT COIL DRAIN, TEMPERATURE, °F | 194 | 194 | 188 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 194 | 194 | 194 | 194 |
| 1ST EFFECT SHELL PRESSURE, "HG | 15 | 15 | 15 | 15" | 15" | 15" | 15" | 16 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16" | 15" | 15" | 15" | 15 | 15 | 15 | 15 | 15 |
| 2D EFFECT COIL DRAIN, TEMPERATURE, °F | 158 | 158 | 154 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 158 | 158 | 158 | 158 | 160 | 164 | 164 | 164 | 158 | 158 | 158 | 158 | 158 |
| 2D EFFECT SHELL PRESSURE, "HG | 16 | 16 | 16 | 16" | 16" | 16" | 16" | 16 | 16 | 16 | 16 | 16 | 17 | 17 | 17 | 17" | 16" | 16" | 16" | 16 | 16 | 16 | 16 | 16 |
| 3D EFFECT COIL DRAIN, TEMPERATURE, °F | 148 | 148 | 144 | 150 | 150 | 150 | 150 | N/S | N/S | 158 | 158 | 146 | 146 | 146 | 146 | 150 | 152 | 152 | 152 | N/S | N/S | 148 | 148 | 148 |
| 3D EFFECT SHELL PRESSURE, "HG | 24 | 24 | 24 | 24" | 24" | 24" | 24" | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24" | 24" | 24" | 24" | 24 | 24 | 24 | 24 | 24 |
| CONDENSATE TO COOLER, TEMPERATURE, °F | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 130 | 130 | 130 | 130 | 126 | 126 | 126 | 126 | 126 | 130 | 130 | 130 | 126 | 126 | 126 | 126 | 128 |
| CONDENSATE FROM COOLER, TEMPERATURE, °F | 91 | 91 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 91 | 91 | 91 | 91 | 92 | 92 | 92 | 92 | 90 | 90 | 90 | 90 | 91 |
| BRINE OVERBOARD, TEMPERATURE, °F | 119 | 119 | 119 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 119 | 119 | 119 | 119 | 120 | 120 | 120 | 120 | 114 | 114 | 114 | 114 | 114 |
| STEAM TO AIR EJECTOR, PRESSURE, #G | 94 | 94 | 94 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 94 | 94 | 94 | 94 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 94 |
| AIR EJECTOR DRAINS, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. WATER INJECTION, TEMPERATURE, °F | 78 | 78 | 79 | 79 | 79 | 80 | 80 | 80 | 80 | 80 | 80 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 78 | 78 | 78 | 78 | 78 |
| CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F | 78 | 78 | 79 | 79 | 79 | 80 | 80 | 80 | 80 | 80 | 80 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 78 | 78 | 78 | 78 | 78 |
| CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT, TEMPERATURE, °F | 164 | 164 | 162 | 166 | 166 | 166 | 166 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 166 | 166 | 166 | 166 | 164 | 164 | 164 | 164 |
| CIRC. WATER OVERBOARD, TEMPERATURE, °F | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. PUMP SUCTION PRESSURE, #G | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CIRC. PUMP DISCHARGE PRESSURE, #G | 15 | 15 | 15 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| BRINE PUMP SUCTION PRESSURE, #G | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 |
| BRINE PUMP DISCHARGE PRESSURE, #G | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| FEED PUMP SUCTION PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED PUMP DISCHARGE PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| 1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G | 7 | 7 | 7 | 7" | 7" | 7" | 7" | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9" | 7" | 7" | 7" | 7 | 7 | 7 | 7 | 7 |
| 1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G | 36 | 36 | 36 | 34 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 35 | 35 | 35 | 35 | 35 | 37 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| F. W. PUMP DISCHARGE PRESSURE | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED DENSITY, 32NDS | | | | | | | | | | | | | | | | | | | | | | | | |
| BRINE OVERBOARD DENSITY, 32NDS | 1.75 | 1.75 | 1.75 | 1.6 | 1.6 | 1.6 | 1.6 | 1.7 | 1.7 | 1.7 | 1.7 | 1.75 | 1.75 | 1.75 | 1.75 | 1.6 | 1.6 | 1.6 | 1.6 | 1.7 | 1.7 | 1.7 | 1.7 | 1.75 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 20 | 20 | 20 | 30 | 30 |
| AIR EJECTOR DRAINS, SALINITY—E. P. M. | 0 | 0 | 0 | .02 | .01 | .02 | .02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .02 | .02 | .02 | .02 | 0 | 0 | 0 | 0 | 0 |
| 1ST EFFECT DRAINS, SALINITY—E. P. M. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONDENSATE FROM COOLER, SALINITY—E. P. M. | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

PLATE NO. 11613

9-7-67 #1 9-6-67

## DISTILLED WATER RECORD

| HOUR ENDING | METER READING | GALLONS SHIPS TANKS* | GALLONS FEED TANKS* |
|---|---|---|---|
| | | | |
| 0000 | 12427900 | | |
| 0100 | 12447100 | 1460 | |
| 0200 | 12448600 | 1460 | |
| 0300 | 12450300 | 1700 | 1HR 20 MIN |
| 0400 | 12451700 | 1400 | |
| 0500 | 12453100 | 1400 | |
| 0600 | 12454900 | 1800 | 1HR-20mi |
| 0700 | 12456300 | 1400 | |
| 0800 | 12457600 | 1300 | |
| 0900 | 12459000 | | 1400 |
| 1000 | 12460300 | | 1300 |
| 1100 | 12461600 | | 1300 |
| 1200 | 12429200 | 1300 | |
| 1300 | 12430600 | 1400 | |
| 1400 | 12431900 | 1300 | |
| 1500 | 12433200 | 1300 | |
| 1600 | 12434400 | 1200 | |
| 1700 | 12435800 | 1400 | |
| 1800 | 12437200 | 1400 | |
| 1900 | 12438600 | 1400 | |
| 2000 | 12439900 | 1300 | |
| 2100 | 12441200 | 13,800 | 1300 |
| 2200 | 12442600 | | 1400 |
| 2300 | 12443900 | | 1300 |
| 2400 | 12445700 | - - | 1800 |
| | | | 9,800 |

* *Indicate under REMARKS number of tanks being filled.*

## SCALING RECORD

| | EFFECT NO. 1 | NO. 2 | NO. 3 |
|---|---|---|---|
| DATE LAST SCALED | | | |
| HOURS BROUGHT FORWARD | 119 | | |
| HOURS THIS DATE | | | |
| HOURS TO DATE | | | |
| GALLONS BROUGHT FORWARD | 157900 | | |
| GALLONS THIS DATE | | | |
| GALLONS TO DATE | | | |

CHECKED (Signature)

APPROVED

(Engineer Officer, U. S. N.)

## REMARKS

0000–0400

#1 EVAP DIST TO #3 PORT

ADDED 16 OZ CHLORINE PER 1000 GALS

SIGNED

0400–0800

#1 Evap. Dist. TO #1 & #2

Added 16 oz chlorine per 1000 gals.

#1 port - 23' - Test 2 drops
#1 Stbd - 18' - Test 2 drops
1HR 20 MIN #2 port - 23' - Test 2 drops
#2 Stbd - 19' - Test 2 drops

SIGNED R. Shepard

0800–1200

#-1 EVAP. DIST. TO

#-1 STBD FEED...

SIGNED E. D. Vogallanes

1200–1600

#1 EVAP DIST TO #3 PORT

ADDED 16 OZ CHLORINE PER 1000 GALS

SIGNED

1600–2000

#1 Evap. dist. TO #3 &

Added 16 oz chlorine per 1000 gals

SIGNED R. Shepard

2000–2400

#-1 EVAP. DIST. TO

#-1 STBD FEED...

SIGNED E. D. Vogallanes

NAVSHIPS 3676 (REV. 11-50) BACK

*Stocked in CDS*

*For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.*

PLATE NO. 11613 (BACK)

94
23
119

NAVSHIPS 3676 (REV. 11-60)

# LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY _____ U. S. S. Gen. Mollie Pope PLANT NO. 2

AT ANCHOR _____ TIME: ZONE DESCRIPTION _____ SET CLOCKS AHEAD OR BACK 20 min MINUTES AT 2000-0100-0300 DATE 9-6 1967

| | 9-7-67 HOUR ENDING | | | | | | | | | | | | | | | 9-6-67 HOUR ENDING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 |
| STEAM TO REG. VALVE, PRESSURE #G | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| STEAM FROM REG. VALVE, PRESSURE #G | 3 | 3 | 3 | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 | | | | 5" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 |
| STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| STEAM TO 1ST EFFECT, TEMPERATURE, °F | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | | | | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| 1ST EFFECT COIL DRAIN, TEMPERATURE, °F | 194 | 194 | 192 | 192 | 194 | 194 | 194 | 192 | 192 | 192 | 192 | 190 | | | | 190 | 190 | 194 | 200 | 200 | 194 | 194 | 194 | 194 |
| 1ST EFFECT SHELL PRESSURE, "HG | 10 | 10 | 9 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | 10 | | | | 10 | 10" | 9" | 10" | 10" | 10 | 10 | 10 | 10 |
| 2D EFFECT COIL DRAIN, TEMPERATURE, °F | 160 | 160 | 158 | 162 | 164 | 164 | 164 | 160 | 160 | 160 | 160 | 158 | | | | 162 | 164 | 164 | 164 | 160 | 160 | 160 | 160 | 160 |
| 2D EFFECT SHELL PRESSURE, "HG | 23 | 23 | 23 | 23" | 23" | 23" | 23" | 23 | 23 | 23 | 23 | 23 | | | | 23" | 23" | 23" | 23" | 23 | 23 | 23 | 23 | 23 |
| 3D EFFECT COIL DRAIN, TEMPERATURE, °F | 146 | 146 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | | | | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 |
| 3D EFFECT SHELL PRESSURE, "HG | 25 | 25 | 25 | 25" | 25" | 25" | 25" | 25 | 25 | 25 | 25 | 25 | | | | 25" | 25" | 25" | 25" | 25 | 25 | 25 | 25 | 25 |
| CONDENSATE TO COOLER, TEMPERATURE, °F | 130 | 130 | 128 | 130 | 130 | 130 | 130 | 130 | 128 | 128 | 128 | 130 | | | | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 |
| CONDENSATE FROM COOLER, TEMPERATURE, °F | 96 | 96 | 94 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 94 | | | | 94 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| BRINE OVERBOARD, TEMPERATURE, °F | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 119 | | | | 118 | 118 | 118 | 118 | 118 | 118 | 118 | 118 | 118 |
| STEAM TO AIR EJECTOR, PRESSURE, #G | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | | | | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 |
| AIR EJECTOR DRAINS, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. WATER INJECTION, TEMPERATURE, °F | 78 | 78 | 77 | 79 | 79 | 80 | 80 | 80 | 80 | 80 | 80 | 79 | | | | 79 | 79 | 79 | 79 | 78 | 78 | 78 | 78 | 78 |
| CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F | 78 | 78 | 77 | 79 | 79 | 80 | 80 | 80 | 80 | 80 | 80 | 79 | | | | 79 | 79 | 79 | 79 | 78 | 78 | 78 | 78 | 78 |
| CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F | 146 | 146 | 144 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | | | | 146 | 148 | 146 | 146 | 146 | 146 | 146 | 146 | 146 |
| FEED TO 1ST EFFECT, TEMPERATURE, °F | 166 | 166 | 164 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 164 | | | | 164 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 |
| CIRC. WATER OVERBOARD, TEMPERATURE, °F | 104 | 104 | 104 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 104 | | | | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. PUMP SUCTION PRESSURE, #G | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CIRC. PUMP DISCHARGE PRESSURE, #G | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | | | | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| BRINE PUMP SUCTION PRESSURE, #G | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 | | | | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 |
| BRINE PUMP DISCHARGE PRESSURE, #G | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | | | | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| FEED PUMP SUCTION PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED PUMP DISCHARGE PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| 1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G | 2 | 2 | 2 | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 | | | | 3 | 3" | 1" | 1" | 1" | 2 | 2 | 2 | 2 |
| 1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 35 | | | | 35 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| F. W. PUMP DISCHARGE PRESSURE | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED DENSITY, 32NDS | | | | | | | | | | | | | | | | | | | | | | | | |
| BRINE OVERBOARD DENSITY, 32NDS | 1.125 | 1.125 | 1.125 | 1.7 | 1.6 | 1.6 | 1.6 | 1.9 | 1.9 | 1.9 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 1.8 | 1.8 | 1.5 | 1.5 | 2/32 | 2/32 | 2/32 | 2/32 | 1.125 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | HD | HD | HD | HD | HD | HD | HD | HD | HD | HD | HD | HD | HD | HD | HD | HD | BD | HD | HD | HD | HD | HD | HD | HD |
| AIR EJECTOR DRAINS, SALINITY—E. P. M. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1ST EFFECT DRAINS, SALINITY—E. P. M. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONDENSATE FROM COOLER, SALINITY—E. P. M. | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

PLATE NO. 11613

9-7-67 #2 9-6-67

## DISTILLED WATER RECORD

| HOUR ENDING | METER READING | GALLONS SHIPS TANKS* | GALLONS FEED TANKS* |
|---|---|---|---|
| 0000 | 07661600 | | |
| 0100 | 07684166 | 1600 | |
| 0200 | 07685700 | 1600 | |
| 0300 | 07687700 | 2000 | 1HR 20MIN |
| 0400 | 07689300 | 1600 | |
| 0500 | 07691000 | 1700 | |
| 0600 | 07693000 | 2000 | 1HR 20MIN |
| 0700 | 07694500 | 1500 | |
| 0800 | 07695900 | 1400 | |
| 0900 | 07697300 | 1400 | |
| 1000 | 07698900 | 1600 | |
| 1100 | 07700500 | 1600 | |
| 1200 | 07663100 | 1600 | |
| 1300 | 07664500 | 1600 | |
| 1400 | 07666000 | 1500 | |
| 1500 | 07667600 | 1600 | |
| 1600 | 07669300 | 1700 | P 1400 |
| 1700 | 07671000 | 1700 | |
| 1800 | 07672600 | 1600 | |
| 1900 | 07674300 | 1700 | |
| 2000 | 07675800 | 1500 | |
| 2100 | 07677300 | 1500 | |
| 2200 | 07678900 | 1600 | |
| 2300 | 07680300 | 1400 | |
| 2400 | 07682500 | 2200 | 1HR 20MIN |
| | | 37900 | |

* *Indicate under REMARKS number of tanks being filled.*

## SCALING RECORD

| | EFFECT NO. 1 | NO. 2 | NO. 3 |
|---|---|---|---|
| DATE LAST SCALED | | | |
| HOURS BROUGHT FORWARD | 119 | | |
| HOURS THIS DATE | | | |
| HOURS TO DATE | | | |
| GALLONS BROUGHT FORWARD | 190500 | | |
| GALLONS THIS DATE | | | |
| GALLONS TO DATE | | | |

CHECKED (Signature)

APPROVED [signature]
(Engineer Officer, U. S. N.)

## REMARKS

0000–0400

[illegible] GALS

SIGNED [illegible] Ray Hill

0400–0800

# 2 Evap. Dist. To # 3 & Cosmo shifted Tube West Drain To Bilge To check salt in main condensers Cosmo put Drain Back in system Added 10 oz chlorine per 1000 Gals.

SIGNED R. Shepard

0800–1200

# 2 EVAP. DIST. TO # 3 CENTER

SIGNED E. L. Nagallanes

1200–1600

# 2 – EVAP DIST TO # 3 & POT

ADDED 10 OZ CHLORINE PER 1000 GALS

SIGNED [illegible] Ray Hill

1600–2000

# 2 Evap. Dist. To # 3 & Added 10 oz chlorine per 1000 gals

SIGNED R. Shepard

2000–2400

# 2 EVAP. DIST. TO # 3 & (Added 10 oz chlorine per 1000 gals Dist

SIGNED E. L. Nagallanes

NAVSHIPS 3676 (REV. 11-50) BACK

*Stocked in CDS*

*For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.*

PLATE NO. 11613 (BACK)

NAVSHIPS 3876 (REV. 11-60)

# LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY V U.S.S. GEN. JOHN POPE PLANT NO. 1

AT ANCHOR ____ TIME: ZONE DESCRIPTION ____ SET CLOCKS ~~AHEAD~~ ~~OR~~ BACK 2 min MINUTES AT 2330 - 0100 - 0500 DATE 9-5, 19 67

| | 9-6-67 HOUR ENDING | | | | | | | | | | | | 9-5-67 HOUR ENDING | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 |
| STEAM TO REG. VALVE, PRESSURE #G | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| STEAM FROM REG. VALVE, PRESSURE #G | 3 | 3 | 3 | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 |
| STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G | ✓ | ✓ | ✓ | 7" | 8" | 8" | 8" | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8" | 8" | 8" | 8" | 8 | 8 | 8 | 8 | 8 |
| STEAM TO 1ST EFFECT, TEMPERATURE, °F | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| 1ST EFFECT COIL DRAIN, TEMPERATURE, °F | 180 | 180 | 180 | 184 | 182 | 184 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 |
| 1ST EFFECT SHELL PRESSURE, "HG | 16 | 16 | 16 | 15" | 16" | 16" | 16" | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16" | 16" | 16" | 16" | 16 | 16 | 16 | 16 | 16 |
| 2D EFFECT COIL DRAIN, TEMPERATURE, °F | 158 | 158 | 158 | 142 | 160 | 162 | 160 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 |
| 2D EFFECT SHELL PRESSURE, "HG | 17 | 17 | 17 | 16" | 17" | 17" | 17" | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17" | 17" | 17" | 17" | 17 | 17 | 17 | 17 | 17 |
| 3D EFFECT COIL DRAIN, TEMPERATURE, °F | 148 | 148 | 148 | 152 | 150 | 152 | 152 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| 3D EFFECT SHELL PRESSURE, "HG | 24 | 24 | 24 | 24" | 24" | 24" | 24" | 24 | 24 | 24 | 24 | 24 | 25 | 25 | 25 | 24" | 24" | 24" | 24" | 24 | 24 | 24 | 24 | 24 |
| CONDENSATE TO COOLER, TEMPERATURE, °F | 128 | 130 | 130 | 130 | 130 | 130 | 130 | 126 | 126 | 126 | 126 | 127 | 127 | 127 | 127 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 |
| CONDENSATE FROM COOLER, TEMPERATURE, °F | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| BRINE OVERBOARD, TEMPERATURE, °F | 116 | 116 | 116 | 120 | 120 | 120 | 120 | 116 | 116 | 116 | 116 | 118 | 118 | 118 | 118 | 120 | 120 | 120 | 120 | 116 | 116 | 116 | 116 | 116 |
| STEAM TO AIR EJECTOR, PRESSURE, #G | 94 | 94 | 94 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 94 | 94 | 94 | 94 | 96 | 96 | 96 | 96 | 94 | 94 | 94 | 94 | 94 |
| AIR EJECTOR DRAINS, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. WATER INJECTION, TEMPERATURE, °F | 77 | 77 | 77 | 77 | 77 | 78 | 77 | 75 | 75 | 78 | 78 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F | 77 | 77 | 77 | 77 | 77 | 78 | 77 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 77 |
| CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT, TEMPERATURE, °F | 164 | 164 | 164 | 166 | 166 | 166 | 166 | 164 | 166 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 |
| CIRC. WATER OVERBOARD, TEMPERATURE, °F | 108 | 103 | 105 | 106 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 108 | 104 | 103 | 105 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. PUMP SUCTION PRESSURE, #G | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| CIRC. PUMP DISCHARGE PRESSURE, #G | 16 | 16 | 16 | 15" | 15" | 15" | 15" | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| BRINE PUMP SUCTION PRESSURE, #G | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 |
| BRINE PUMP DISCHARGE PRESSURE, #G | 16 | 16 | 16 | 15" | 15" | 15" | 15" | 15 | 15 | 15 | 15 | 16 | 15 | 15 | 15 | 14 | 14 | 15" | 14 | 16 | 16 | 16 | 16 | 16 |
| FEED PUMP SUCTION PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED PUMP DISCHARGE PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| 1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G | 9 | 9 | 9 | 9" | 9" | 9" | 9" | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9" | 9" | 9" | 9" | 9 | 9 | 9 | 9 | 9 |
| 1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 30 | 35 | 35 | 35 | 35 | 35 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| F. W. PUMP DISCHARGE PRESSURE | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED DENSITY, 32NDS | | | | | | | | | | | | | | | | | | | | | | | | |
| BRINE OVERBOARD DENSITY, 32NDS | 1.75 | 1.75 | 1.75 | 1.5 | 1.5 | 1.5 | 1.5 | 1.7 | 1.7 | 1.7 | 1.7 | 1.75 | 1.75 | 1.75 | 1.75 | 1.5 | 1.5 | 1.5 | 1.5 | 1.7 | 1.7 | 1.7 | 1.7 | 1.75 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 20 | 20 | 20 | 20 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 20 | 20 | 20 | 20 | 20 |
| AIR EJECTOR DRAINS, SALINITY—E. P. M. | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 01 | 01 | 01 | 01 | 02 |
| 1ST EFFECT DRAINS, SALINITY—E. P. M. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONDENSATE FROM COOLER, SALINITY—E. P. M. | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

PLATE NO. 11613

427900
392000
30,900

9-6-67 #1 9-5-67

## DISTILLED WATER RECORD

| HOUR ENDING | METER READING | GALLONS SHIPS TANKS* | GALLONS FEED TANKS* |
|---|---|---|---|
| 0000 | 12395600 | | |
| 0100 | 12411200 | 1300 | |
| 0200 | 12415000 | 1300 | |
| 0300 | 12417200 | 1600 | 1Hr 20 Min |
| 0400 | 12418400 | 1200 | |
| 0500 | 12419800 | 1400 | |
| 0600 | 12421500 | 1700 | 1 Hr 20 Min |
| 0700 | 12422900 | 1400 | |
| 0800 | 12424100 | 1200 | |
| 0900 | 12425300 | | 1200 |
| 1000 | 12426600 | | 1300 |
| 1100 | 12427900 | | 1300 |
| 1200 | 12397000 | 1400 | |
| 1300 | 12398300 | 1300 | |
| 1400 | 12399600 | 1300 | |
| 1500 | 12400900 | 1300 | |
| 1600 | 12402200 | 1300 | |
| 1700 | 12403500 | 1300 | |
| 1800 | 12404800 | 1300 | |
| 1900 | 12406100 | 1300 | |
| 2000 | 12407400 | 1300 | |
| 2100 | 12408700 | 22,800 | 1300 |
| 2200 | 12410000 | | 1300 |
| 2300 | 12411700 | | 1700 |
| 2400 | 12413000 | | 1300 |
| | | | 9,400 |

* *Indicate under REMARKS number of tanks being filled.*

## SCALING RECORD

| | EFFECT NO. 1 | NO. 2 | NO. 3 |
|---|---|---|---|
| DATE LAST SCALED | | | |
| HOURS BROUGHT FORWARD | 94 | | |
| HOURS THIS DATE | | | |
| HOURS TO DATE | | | |
| GALLONS BROUGHT FORWARD | 125500 | | |
| GALLONS THIS DATE | | | |
| GALLONS TO DATE | | | |

CHECKED (Signature)

APPROVED
(Engineer Officer, U. S. N.)

## REMARKS

0000-0400 #1 EVAP DIST TO #3 & #4 POT

ADDED 8 OZ CHLORINE PER 1000 GALS

SIGNED McRay Hill

0400-0800 #1 Evap. Dist. To #3 &
Added 8 oz chlorine per 1000 Gals

#1 port-23'-7-st 2 Drops
#1 Stbd-17-7-st 2 Drops

#2 port-23'-7-st 2 Drops
#2 Stbd-21'-7-st 2 Drops

SIGNED R. Shepard

0800-1200 #-1 Evap. Dist. To
#-1 Stbd Feed...

SIGNED E. J. Vagallanes

1200-1600 #1 EVAP DIST TO #3 & #4 POT

ADDED 8 OZ CHLORINE PER 1000 GALS

SIGNED McRay Hill

1600-2000 #1 Evap. Dist. To #3 &
Added 2 Gallons of chlorine To #3 &

SIGNED R. Shepard

2000-2400 #-1 Evap. Dist. Dist.
To #-1 Stbd Feed...

SIGNED E. J. Vagallanes

NAVSHIPS 3676 (REV. 11-50) BACK

*Stocked in CDS*

*For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.*

PLATE NO. 11613 (BACK)

NAVSHIPS 3676 (REV. 11-60)

# LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY ✓

U. S. S. Gen. John Pope PLANT NO. 2

AT ANCHOR

TIME: ZONE DESCRIPTION SET CLOCKS AHEAD OR BACK 20 min MINUTES AT 2300-0100-0500 DATE 9-5 19 67

| | HOUR ENDING 9-6-67 | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 |
| STEAM TO REG. VALVE, PRESSURE #G | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| STEAM FROM REG. VALVE, PRESSURE #G | 5 | 5 | 5 | 5" | 5" | 5" | 5" | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5" | 5" | 5" | 5" | 5 | 5 | 5 | 5 | 5 |
| STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G | 2 | 2 | 2 | 2" | 2" | 2" | 2" | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2" | 2" | 2" | 2" | 2 | 2 | 2 | 2 | 2 |
| STEAM TO 1ST EFFECT, TEMPERATURE, °F | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| 1ST EFFECT COIL DRAIN, TEMPERATURE, °F | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 |
| 1ST EFFECT SHELL PRESSURE, "HG | 10 | 10 | 10 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | 10 |
| 2D EFFECT COIL DRAIN, TEMPERATURE, °F | 160 | 160 | 160 | 160 | 160 | 162 | 160 | 160 | 160 | 160 | 160 | 160 | 23 | 23 | 23 | 23 | 162 | 162 | 162 | 162 | 160 | 160 | 160 | 160 |
| 2D EFFECT SHELL PRESSURE, "HG | 23 | 23 | 23 | 22" | 22" | 22" | 22" | 22 | 22 | 22 | 22 | 22 | 158 | 158 | 158 | 158 | 22" | 22" | 22" | 22" | 22 | 22 | 22 | 23 |
| 3D EFFECT COIL DRAIN, TEMPERATURE, °F | 144 | 144 | 144 | 146 | 146 | 146 | 144 | 144 | 144 | 144 | 144 | 130 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 |
| 3D EFFECT SHELL PRESSURE, "HG | 25 | 25 | 25 | 25" | 24" | 25" | 24" | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25" | 26" | 25" | 25" | 25 | 25 | 25 | 25 | 25 |
| CONDENSATE TO COOLER, TEMPERATURE, °F | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 130 | 130 | 130 | 130 | 132 | 132 | 132 | 132 | 132 |
| CONDENSATE FROM COOLER, TEMPERATURE, °F | 96 | 94 | 94 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 96 | 96 | 94 | 94 |
| BRINE OVERBOARD, TEMPERATURE, °F | 122 | 122 | 122 | 124 | 124 | 124 | 124 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 120 | 120 | 122 | 122 | 122 | 122 |
| STEAM TO AIR EJECTOR, PRESSURE, #G | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 92 | 92 | 92 | 92 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
| AIR EJECTOR DRAINS, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. WATER INJECTION, TEMPERATURE, °F | 76 | 77 | 77 | 77 | 77 | 78 | 77 | 78 | 78 | 78 | 78 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F | 76 | 77 | 77 | 77 | 77 | 78 | 77 | 78 | 78 | 78 | 78 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F | 146 | 148 | 146 | 148 | 148 | 148 | 148 | 148 | 146 | 148 | 148 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 |
| FEED TO 1ST EFFECT, TEMPERATURE, °F | 164 | 164 | 164 | 168 | 168 | 168 | 168 | 168 | 166 | 166 | 166 | 164 | 164 | 164 | 164 | 168 | 168 | 168 | 168 | 166 | 166 | 166 | 166 | 164 |
| CIRC. WATER OVERBOARD, TEMPERATURE, °F | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. PUMP SUCTION PRESSURE, #G | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CIRC. PUMP DISCHARGE PRESSURE, #G | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| BRINE PUMP SUCTION PRESSURE, #G | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 |
| BRINE PUMP DISCHARGE PRESSURE, #G | 16 | 16 | 16 | 15" | 15" | 15" | 15" | 17 | 17 | 17 | 17 | 16 | 16 | 16 | 16 | 17 | 17 | 17 | 15" | 16 | 16 | 16 | 16 | 16 |
| FEED PUMP SUCTION PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED PUMP DISCHARGE PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| 1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G | 3 | 3 | 3 | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 |
| 1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 37 | 37 | 37 | 37 | 35 | 37 | 37 | 37 | 37 |
| F. W. PUMP DISCHARGE PRESSURE | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | | | 10 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED DENSITY, 32NDS | | | | | | | | | | | | | | | | | | | | | | | | |
| BRINE OVERBOARD DENSITY, 32NDS | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2/32 | 2/32 | 2/32 | 2/32 | 2.0 | 2.0 | 2.0 | 2.0 | 1.5 | 1.5 | 1.5 | 1.5 | 2/32 | 2/32 | 2/32 | 2/32 | 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| AIR EJECTOR DRAINS, SALINITY—E. P. M. | 40 | 40 | 40 | 30 | 30 | 30 | 30 | 40 | 40 | 40 | 40 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 40 | 40 | 40 | 40 | 40 |
| 1ST EFFECT DRAINS, SALINITY—E. P. M. | 02 | 02 | 01 | 01 | 02 | 01 | 01 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 01 | 01 | 01 | 01 | 02 | 02 | 02 | 02 | 02 |
| CONDENSATE FROM COOLER, SALINITY—E. P. M. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

PLATE NO. 11613

61600
24000
37,600

9-6-67 #2 9-5-67

## DISTILLED WATER RECORD

| HOUR ENDING | METER READING | GALLONS SHIPS TANKS* | GALLONS FEED TANKS* |
|---|---|---|---|
| 0000 | 07622300 | | |
| 0100 | 07645600 | 1600 | |
| 0200 | 07647100 | 1500 | |
| 0300 | 07648700 | 1600 | |
| 0400 | 07650800 | 1400 | |
| 0500 | 07652100 | 1700 | |
| 0600 | 07654100 | 2000 | 1 HR-20 min |
| 0700 | 07655600 | 1500 | |
| 0800 | 07657000 | 1400 | |
| 0900 | 07658500 | 1500 | |
| 1000 | 07660000 | 1500 | |
| 1100 | 07661600 | 1600 | |
| 1200 | 07663100 | 1500 | |
| 1300 | 07664500 | 1400 | |
| 1400 | 07665900 | 1400 | |
| 1500 | 07667500 | 1600 | |
| 1600 | 07669100 | 1600 | |
| 1700 | 07670600 | 1500 | |
| 1800 | 07672200 | 1600 | |
| 1900 | 07673700 | 1500 | |
| 2000 | 07675300 | 1600 | |
| 2100 | 07676800 | 1500 | |
| 2200 | 07678400 | 1600 | |
| 2300 | 07680100 | 1700 | |
| 2400 | 07682200 | 2100 | 1 HR 20 MIN |
| | 07683900 | 1600 | |
| | | 37,900 | |

* Indicate under REMARKS number of tanks being filled.

## SCALING RECORD

| | EFFECT NO. 1 | NO. 2 | NO. 3 |
|---|---|---|---|
| DATE LAST SCALED | | | |
| HOURS BROUGHT FORWARD | 94 | | |
| HOURS THIS DATE | | | |
| HOURS TO DATE | | | |
| GALLONS BROUGHT FORWARD | 151400 | | |
| GALLONS THIS DATE | | | |
| GALLONS TO DATE | | | |

CHECKED (Signature)

APPROVED

(Engineer Officer, U. S. N.)

## REMARKS

0000–0400

# 2 - EVAP DIST TO ~~#3~~ P&T

ADDED 8 oz CHLORINE PER 1000 GALS

SIGNED McRay Hill

0400–0800

# 2 Evap. Dist. To # 3 D

Added 8 oz chlorine per 1000 Gals

SIGNED R Shepard

0800–1200

# 2 EVAP. DIST. TO

# 3 CENTER

SIGNED E. J. Vaga (Cmdr)

1200–1600

# 2 - EVAP DIST TO # 3 & P&T

ADDED 8 oz CHLORINE PER 1000 GALS

SIGNED McRay Hill

1600–2000

# 2 Evap. Dist. To # 3 &

Added 8 oz chlorine per 1000 Gals Dist.

SIGNED R. Shepard

2000–2400

# 1 EVAP. DIST. TO

# 3 CENTER

(Added 8 oz chlorine

per 1000 gals Dist.

SIGNED E. J. Vaga (Cmdr)

NAVSHIPS 3675 (REV. 11-50) BACK

*Stocked in CDS*

*For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.*

PLATE NO. 11613 (BACK)

NAVSHIPS 3576 (REV. 11-60)

# LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY U

U. S. S. GEN. JOHN DOPE PLANT NO. 2

AT ANCHOR ____ TIME: ZONE DESCRIPTION ____ SET CLOCKS AHEAD OR BACK ____ MINUTES AT ____ DATE 9-4 .1967

| | HOUR ENDING | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9-5-67 / 9-4-67 | | | | | | | | | | | | | | | | | | | | | | | | |
| STEAM TO REG. VALVE, PRESSURE #G | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| STEAM FROM REG. VALVE, PRESSURE #G | | 5 | 5 | 5 | 5" | 5" | 5" | 5" | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5" | 5" | 5" | 5" | 5 | 5 | 5 | 5 | 5 |
| STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G | | 2 | 2 | 2 | 2" | 2" | 2" | 2" | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2" | 2" | 2" | 2" | 2 | 2 | 2 | 2 | 2 |
| STEAM TO 1ST EFFECT, TEMPERATURE, °F | | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| 1ST EFFECT COIL DRAIN, TEMPERATURE, °F | | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 186 | 186 | 184 | 184 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 |
| 1ST EFFECT SHELL PRESSURE, "HG | | 10 | 10 | 10 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | 10 |
| 2D EFFECT COIL DRAIN, TEMPERATURE, °F | | 160 | 160 | 158 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 156 | 156 | 156 | 156 | 160 | 160 | 162 | 162 | 160 | 160 | 160 | 160 | 160 |
| 2D EFFECT SHELL PRESSURE, "HG | | 23 | 23 | 22 | 22" | 22" | 22" | 22" | 22 | 22 | 22 | 22 | 23 | 23 | 23 | 23 | 22" | 22" | 23" | 23 | 23 | 23 | 23 | 23 | 23 |
| 3D EFFECT COIL DRAIN, TEMPERATURE, °F | | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 138 | 138 | 138 | 138 | 142 | 142 | 144 | 144 | 144 | 144 | 144 | 144 | 144 |
| 3D EFFECT SHELL PRESSURE, "HG | | 25 | 25 | 25 | 24" | 25" | 25" | 25" | 25 | 25 | 25 | 25 | 26 | 26 | 26 | 26 | 25" | 25" | 25" | 25" | 25 | 25 | 25 | 25 | 25 |
| CONDENSATE TO COOLER, TEMPERATURE, °F | | 130 | 130 | 130 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 126 | 126 | 126 | 128 | 128 | 128 | 132 | 132 | 130 | 130 | 130 | 130 | 130 |
| CONDENSATE FROM COOLER, TEMPERATURE, °F | | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 96 | 96 | 96 | 96 | 90 | 90 | 90 | 92 | 92 | 92 | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
| BRINE OVERBOARD, TEMPERATURE, °F | | 116 | 116 | 116 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 116 | 116 | 116 | 116 | 120 | 120 | 120 | 120 | 116 | 116 | 116 | 116 | 116 |
| STEAM TO AIR EJECTOR, PRESSURE, #G | | 92 | 92 | 92 | 94 | 94 | 94 | 94 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 |
| AIR EJECTOR DRAINS, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. WATER INJECTION, TEMPERATURE, °F | | 74 | 74 | 73 | 74 | 74 | 74 | 73 | 72 | 72 | 72 | 72 | 72 | 72 | 73 | 74 | 74 | 74 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F | | 74 | 74 | 73 | 74 | 74 | 74 | 73 | 72 | 72 | 72 | 72 | 72 | 72 | 73 | 74 | 74 | 74 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 142 | 142 | 142 | 144 | 144 | 144 | 146 | 146 | 146 | 146 | 146 | 146 | 146 |
| FEED TO 1ST EFFECT, TEMPERATURE, °F | | 164 | 164 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 164 | 164 | 164 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 164 | 164 |
| CIRC. WATER OVERBOARD, TEMPERATURE, °F | | 108 | 108 | 108 | 104 | 104 | 104 | 104 | 106 | 104 | 104 | 104 | 108 | 108 | 108 | 108 | 106 | 106 | 104 | 106 | 106 | 106 | 106 | 106 | 106 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. PUMP SUCTION PRESSURE, #G | | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| CIRC. PUMP DISCHARGE PRESSURE, #G | | 18 | 18 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 18 | 18 | 18 | 18 | 18 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| BRINE PUMP SUCTION PRESSURE, #G | | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 |
| BRINE PUMP DISCHARGE PRESSURE, #G | | 20 | 20 | 20 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| FEED PUMP SUCTION PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED PUMP DISCHARGE PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G | | 3 | 3 | 3 | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 |
| 1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G | | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| F. W. PUMP DISCHARGE PRESSURE | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED DENSITY, 32NDS | | | | | | | | | | | | | | | | | | | | | | | | | |
| BRINE OVERBOARD DENSITY, 32NDS | | 2.0 | 2.0 | 2.0 | 1.5 | 1.5 | 1.5 | 1.5 | 2/32 | 2/32 | 2/32 | 2/32 | 1.5 | 1.5 | 2.0 | 2.0 | 1.5 | 1.5 | 1.5 | 1.5 | 2/32 | 2/32 | 2/32 | 2/32 | 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2.0 | 2.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 |
| AIR EJECTOR DRAINS, SALINITY—E. P. M. | | 0 | 0 | 0 | .02 | .02 | .02 | .02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .02 | .02 | .02 | .02 | 0 | 0 | 0 | 0 | 0 |
| 1ST EFFECT DRAINS, SALINITY—E. P. M. | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONDENSATE FROM COOLER, SALINITY—E. P. M. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

PLATE NO. 11613

622300
585600
36,700

9-5-67 #-2 9-6-67

## DISTILLED WATER RECORD

| HOUR ENDING | METER READING | GALLONS SHIPS TANKS* | GALLONS FEED TANKS* |
|---|---|---|---|
| | | | |
| 0000 | 07582000 | | |
| 0100 | 07605700 | 1700 | |
| 0200 | 07607300 | 1600 | |
| 0300 | 07609100 | 1800 | |
| 0400 | 07610800 | 1700 | |
| 0500 | 07612500 | 1700 | |
| 0600 | 07614200 | 1700 | |
| 0700 | 07615900 | 1700 | |
| 0800 | 07617500 | 1600 | |
| 0900 | 07619100 | 1600 | |
| 1000 | 07620700 | 1600 | |
| 1100 | 07622300 | 1600 | |
| 1200 | 07585600 | 1800 | |
| 1300 | 07587300 | 1700 | |
| 1400 | 07589100 | 1800 | |
| 1500 | 07590800 | 1700 | |
| 1600 | 07592500 | 1700 | |
| 1700 | 07594100 | 1600 | |
| 1800 | 07595900 | 1800 | |
| 1900 | 07597600 | 1700 | |
| 2000 | 07599200 | 38,700 | 1600 |
| 2100 | 07600800 | | 1600 |
| 2200 | 07602400 | | 1600 |
| 2300 | 07604000 | | 1600 |
| 2400 | | | 6,400 |

** Indicate under REMARKS number of tanks being filled.*

## SCALING RECORD

| | EFFECT NO. 1 | NO. 2 | NO. 3 |
|---|---|---|---|
| DATE LAST SCALED | | | |
| HOURS BROUGHT FORWARD | 70 | | |
| HOURS THIS DATE | | | |
| HOURS TO DATE | | | |
| GALLONS BROUGHT FORWARD | 111100 | | |
| GALLONS THIS DATE | | | |
| GALLONS TO DATE | | | |

CHECKED (Signature)

APPROVED Walt Edman
(Engineer Officer, U. S. N.)

NAVSHIPS 3676 (REV. 11-50) BACK

## REMARKS

0000-0400
#2 EVAP DIST TO #3 & POT

ADDED 8 oz CHLORINE PER 1000 GALS

SIGNED Mc-Roy Hill

0400-0800
#2 Evapi Dist. To #3 &
Added 8 oz chlorine per 1000 gals.

SIGNED R. Shepard

0800-1200
#-2 EVAP. DIST. TO
#-3 &
Added 8 oz chlorine
per 1000 gals Dist...

SIGNED E. D. Magallanes

1200-1600
#2-EVAP DIST TO #3 & POT

ADDED 8 oz CHLORINE PER 1000 GALS

SIGNED McRoy Hill

1600-2000
#2 Evapi Dist. To #3 &
Added 8 oz chlorine per 1000 gals

SIGNED R. Shepard

2000-2400
#-2 EVAP. DIST. TO
#-1 Shifted FEED...
@ 23:00 Shifted DIST.
TO #-3 CENTER...
Added 8 oz chlorine per
1900 GALS DIST.

SIGNED E. D. Magallanes

*Stocked in CDS*

*For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.*

PLATE NO. 11613 (BACK)

NAVSHIPS 3676 (REV. 11-50)

# LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY V U. S. S. GEN. LEONARD WOOD PLANT NO. 1

AT ANCHOR _____ TIME: ZONE DESCRIPTION _____ SET CLOCKS AHEAD OR BACK _____ MINUTES AT _____ DATE 9-4 19 67

| | 9-5-67 HOUR ENDING | | | | | | | | | | | | | | | 9-6-67 HOUR ENDING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 |
| STEAM TO REG. VALVE, PRESSURE #G | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| STEAM FROM REG. VALVE, PRESSURE #G | 3 | 3 | 3 | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 |
| STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G | 8 | 8 | 8 | 8" | 8" | 8" | 8" | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8" | 8" | 8" | 8" | 8 | 8 | 8 | 8 | 8 |
| STEAM TO 1ST EFFECT, TEMPERATURE, °F | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| 1ST EFFECT COIL DRAIN, TEMPERATURE, °F | 180 | 180 | 180 | 180 | 182 | 182 | 182 | 180 | 180 | 180 | 180 | 180 | 180 | 182 | 182 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 |
| 1ST EFFECT SHELL PRESSURE, "HG | 16 | 16 | 16 | 16" | 16" | 16" | 16" | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16" | 16" | 16" | 16" | 16 | 16 | 16 | 16 | 16 |
| 2D EFFECT COIL DRAIN, TEMPERATURE, °F | 158 | 158 | 158 | 160 | 160 | 160 | 160 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 160 | 160 | 160 | 160 | 158 | 158 | 158 | 158 | 158 |
| 2D EFFECT SHELL PRESSURE, "HG | 17 | 17 | 17 | 17" | 17" | 17" | 17" | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17" | 17" | 17 | 17" | 17 | 17 | 17 | 17 | 17 |
| 3D EFFECT COIL DRAIN, TEMPERATURE, °F | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 148 | 148 | 150 | 150 | 148 | 148 | 146 | 146 | 146 | 146 | 146 |
| 3D EFFECT SHELL PRESSURE, "HG | 23 | 23 | 23 | 24" | 24" | 24" | 24" | 24 | 24 | 24 | 24 | 23 | 23 | 23 | 23 | 24" | 24" | 24" | 24" | 24 | 24 | 24 | 24 | 24 |
| CONDENSATE TO COOLER, TEMPERATURE, °F | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 128 | 128 | 128 | 124 | 124 | 124 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 |
| CONDENSATE FROM COOLER, TEMPERATURE, °F | 89 | 89 | 89 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 89 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 89 |
| BRINE OVERBOARD, TEMPERATURE, °F | 116 | 116 | 116 | 118 | 118 | 118 | 118 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 115 | 115 | 115 | 120 | 120 | 115 | 115 | 115 | 115 | 116 |
| STEAM TO AIR EJECTOR, PRESSURE, #G | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 96 | 96 | 96 | 96 | 94 | 94 | 94 | 94 | 94 |
| AIR EJECTOR DRAINS, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. WATER INJECTION, TEMPERATURE, °F | 74 | 74 | 73 | 74 | 74 | 74 | 73 | 74 | 74 | 74 | 74 | 73 | 72 | 73 | 74 | 74 | 74 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F | 74 | 74 | 73 | 74 | 74 | 74 | 73 | 74 | 74 | 74 | 74 | 73 | 72 | 73 | 74 | 74 | 74 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT, TEMPERATURE, °F | 166 | 166 | 166 | 164 | 164 | 164 | 166 | 165 | 165 | 165 | 165 | 164 | 164 | 164 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 |
| CIRC. WATER OVERBOARD, TEMPERATURE, °F | 106 | 106 | 106 | 104 | 104 | 104 | 104 | 105 | 105 | 105 | 104 | 106 | 106 | 106 | 107 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. PUMP SUCTION PRESSURE, #G | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CIRC. PUMP DISCHARGE PRESSURE, #G | 16 | 16 | 16 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| BRINE PUMP SUCTION PRESSURE, #G | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 |
| BRINE PUMP DISCHARGE PRESSURE, #G | 17 | 17 | 17 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 14 | 14 | 14 | 14 | 16 | 16 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| FEED PUMP SUCTION PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED PUMP DISCHARGE PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| 1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G | 10 | 10 | 10 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | 10 |
| 1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| F. W. PUMP DISCHARGE PRESSURE | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED DENSITY, 32NDS | | | | | | | | | | | | | | | | | | | | | | | | |
| BRINE OVERBOARD DENSITY, 32NDS | 1.8 | 1.8 | 1.8 | 1.5 | 1.5 | 1.5 | 1.5 | 1.8 | 1.8 | 1.8 | 1.8 | 1.75 | 1.75 | 1.75 | 1.75 | 1.5 | 1.5 | 1.5 | 1.5 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| AIR EJECTOR DRAINS, SALINITY—E. P. M. | 30 | 30 | 30 | 40 | 30 | 30 | 30 | 20 | 20 | 20 | 20 | 30 | 30 | 30 | 40 | 40 | 30 | 30 | 30 | 20 | 20 | 20 | 20 | 30 |
| 1ST EFFECT DRAINS, SALINITY—E. P. M. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONDENSATE FROM COOLER, SALINITY—E. P. M. | | | | | | | | | | | | | | | | | | | | | | | | |

PLATE NO. 11613

95600
65500
30,100

9-5-67 #1 9-5-67

## DISTILLED WATER RECORD

| HOUR ENDING | METER READING | GALLONS SHIPS TANKS* | GALLONS FEED TANKS* |
|---|---|---|---|
| | | | |
| 0000 | 12364200 | | |
| 0100 | 12382600 | 1300 | |
| 0200 | 12383800 | 1200 | |
| 0300 | 12385100 | 1300 | |
| 0400 | 12386500 | 1400 | |
| 0500 | 12387800 | 1300 | |
| 0600 | 12389200 | 1400 | |
| 0700 | 12390500 | 1300 | |
| 0800 | 12391800 | 1300 | |
| 0900 | 12393100 | | 1300 |
| 1000 | 12394300 | | 1300 |
| 1100 | 12395600 | | 1300 |
| 1200 | 12365200 | 1300 | |
| 1300 | 12366900 | 1400 | |
| 1400 | 12368200 | 1300 | |
| 1500 | 12369500 | 1300 | |
| 1600 | 12370800 | 1300 | |
| 1700 | 12372200 | 1400 | |
| 1800 | 12373500 | — | 1300 |
| 1900 | 12374800 | 1300 | |
| 2000 | 12376100 | 1300 | |
| 2100 | 12377400 | 21,100 | 1300 |
| 2200 | 12378700 | | 1300 |
| 2300 | 12380000 | | 1300 |
| 2400 | 12381300 | | 1300 |
| | | | 11,300 |

* *Indicate under REMARKS number of tanks being filled.*

## SCALING RECORD

| | EFFECT NO. 1 | NO. 2 | NO. 3 |
|---|---|---|---|
| DATE LAST SCALED | | | |
| HOURS BROUGHT FORWARD | 70 | | |
| HOURS THIS DATE | | | |
| HOURS TO DATE | | | |
| GALLONS BROUGHT FORWARD | 94000 | | |
| GALLONS THIS DATE | | | |
| GALLONS TO DATE | | | |

CHECKED (Signature)

APPROVED
(Engineer Officer, U. S. N.)

NAVSHIPS 3676 (REV. 11-50) BACK

## REMARKS

0000-0400

#1 EVAP DIST TO #3 & POT

ADDED 8 oz CHLORINE PER 1000 GALS

SIGNED Mc Roy Tibbett

0400-0800

#1 Evap. Dist. To #3 &
Add. 8 oz chlorine per 1000 gals

#1 port-23'-Test 7 drops
#1 Stbd-20'-Test 2 drops

#2 port-23'-Test 2 drops
#2 Stbd-22'-Test 2 drops

SIGNED R. Sheppard

0800-1200

#1 Evap. Dist. To
#3 & #1 Stbd Feed

SIGNED E. D. Magallanes

1200-1600

#1 EVAP DIST TO #3 POT

ADDED 8 oz CHLORINE PER 1000 GALS

SIGNED Mc Roy Tibbett

1600-2000

#1 Evap. Dist. To #3 &
@ 1700 #1 Evap. Dist. To #1 Stbd. Feed
@ 1800 #1 Evap. Dist To #3 &
Add. 8 oz chlorine per 1000 gals

SIGNED R. Sheppard

2000-2400

#1 Evap. Dist. To
#1 Stbd. Feed...
@ 23:00 Shifted Dist
To #3 Center...
Added 8 oz Chlorine per 100
gals Dist.

SIGNED E. D. Magallanes

*Stocked in CDS*

*For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.*

PLATE NO. 11613 (BACK)

NAVSHIPS 3676 (REV. 11-60)

# LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY ✓ U. S. S. USS Glacier (AKA-92) PLANT NO. 1

AT ANCHOR ____ TIME: ZONE DESCRIPTION ____ SET CLOCKS AHEAD OR BACK 20 min MINUTES AT 2300-0100-0500 DATE 9-3 19 67

| | 9-2-67 HOUR ENDING | | | | | | | | | | | | | | | 9-3-67 HOUR ENDING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 |
| STEAM TO REG. VALVE, PRESSURE #G | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| STEAM FROM REG. VALVE, PRESSURE #G | 3 | 3 | 3 | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3" | 3 | 3 | 3 | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 |
| STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G | 8 | 8 | 8 | 8" | 8" | 8" | 8" | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8" | 8" | 8" | 8" | 8 | 8 | 8 | 8 | 8 |
| STEAM TO 1ST EFFECT, TEMPERATURE, °F | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| 1ST EFFECT COIL DRAIN, TEMPERATURE, °F | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 |
| 1ST EFFECT SHELL PRESSURE, "HG | 16 | 16 | 16 | 16" | 16" | 16" | 16" | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16" | 16" | 16" | 16" | 16 | 16 | 16 | 16 | 16 |
| 2D EFFECT COIL DRAIN, TEMPERATURE, °F | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 156 | 156 | 156 | 156 | 156 |
| 2D EFFECT SHELL PRESSURE, "HG | 17 | 17 | 17 | 17" | 17" | 17" | 17" | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17" | 17" | 17" | 17" | 17 | 17 | 17 | 17 | 17 |
| 3D EFFECT COIL DRAIN, TEMPERATURE, °F | 146 | 146 | 146 | 146 | 146 | 144 | 144 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 |
| 3D EFFECT SHELL PRESSURE, "HG | 25 | 25 | 25 | 25" | 25" | 25" | 25" | 25 | 25 | 25 | 25 | 23 | 23 | 20 | 20 | 24" | 24" | 24" | 24" | 20 | 20 | 20 | 20 | 24 |
| CONDENSATE TO COOLER, TEMPERATURE, °F | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 124 | 124 | 124 | 124 | 126 | 126 | 128 | 128 | 128 |
| CONDENSATE FROM COOLER, TEMPERATURE, °F | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 |
| BRINE OVERBOARD, TEMPERATURE, °F | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 121 | 121 | 121 | 121 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| STEAM TO AIR EJECTOR, PRESSURE, #G | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| AIR EJECTOR DRAINS, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. WATER INJECTION, TEMPERATURE, °F | 73 | 73 | 73 | 72 | 72 | 72 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F | 73 | 73 | 73 | 72 | 72 | 72 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT, TEMPERATURE, °F | 166 | 166 | 166 | 166 | 166 | 166 | 164 | 166 | 166 | 166 | 166 | 164 | 164 | 164 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 |
| CIRC. WATER OVERBOARD, TEMPERATURE, °F | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 108 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. PUMP SUCTION PRESSURE, #G | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| CIRC. PUMP DISCHARGE PRESSURE, #G | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| BRINE PUMP SUCTION PRESSURE, #G | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 |
| BRINE PUMP DISCHARGE PRESSURE, #G | 18 | 18 | 18 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 18 | 18 | 18 | 18 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| FEED PUMP SUCTION PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED PUMP DISCHARGE PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| 1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G | 10 | 10 | 10 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | 10 |
| 1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| F. W. PUMP DISCHARGE PRESSURE | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED DENSITY, 32NDS | | | | | | | | | | | | | | | | | | | | | | | | |
| BRINE OVERBOARD DENSITY, 32NDS | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| AIR EJECTOR DRAINS, SALINITY—E. P. M. | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 20 | 20 | 20 | 20 | 30 | 30 | 30 | 30 | 40 | 40 | 40 | 40 | 20 | 20 | 20 | 20 | 20 |
| 1ST EFFECT DRAINS, SALINITY—E. P. M. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONDENSATE FROM COOLER, SALINITY—E. P. M. | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

PLATE NO. 11613

39800
32,100

64200
12332100
32,100

9-4-67 . #1 9-3-67

## DISTILLED WATER RECORD

| HOUR ENDING | METER READING | GALLONS SHIPS TANKS* | GALLONS FEED TANKS* |
|---|---|---|---|
| 0000 | 12330700 | | |
| 0100 | 12335100 | 1400 | |
| 0200 | 12351500 | 1400 | |
| 0300 | 12353300 | 1800 | 1 Hr 20 MIN |
| 0400 | 12354900 | 1600 | |
| 0500 | 12355900 | 1400 | |
| 0600 | 12357700 | 1800 | 1 HR-20 M |
| 0700 | 12359600 | 1360 | |
| 0800 | 12360300 | 1300 | |
| 0900 | 12361600 | 8 | 1300 |
| 1000 | 12362900 | | 1300 |
| 1100 | 12364200 | | 1300 |
| 1200 | 12332100 | 1400 | |
| 1300 | 12333500 | 1400 | |
| 1400 | 12334800 | 1300 | |
| 1500 | 12336200 | 1400 | |
| 1600 | 12337500 | 1300 | |
| 1700 | 12338900 | 1400 | |
| 1800 | 12340200 | 1300 | |
| 1900 | 12341600 | 1400 | |
| 2000 | 12342900 | 1300 | |
| 2100 | 12344300 | 33,8.7 | 1400 |
| 2200 | 12345600 | | 1300 |
| 2300 | 12347900 | | 1700 1Hr 20 MIN |
| 2400 | 12348700 | — — — | 1400 |
| | | | 9500 |

** Indicate under REMARKS number of tanks being filled.*

## SCALING RECORD

| | EFFECT NO. 1 | NO. 2 | NO. 3 |
|---|---|---|---|
| DATE LAST SCALED | | | |
| HOURS BROUGHT FORWARD | 45 | | |
| HOURS THIS DATE | | | |
| HOURS TO DATE | | | |
| GALLONS BROUGHT FORWARD | 60500 | | |
| GALLONS THIS DATE | | | |
| GALLONS TO DATE | | | |

CHECKED (Signature)

APPROVED
(Engineer Officer, U. S. N.)

## REMARKS

0000–0400

# I EVAP DIST TO # 3 & POT

ADDED 8 OZ CHLORINE PER 1000 GALS

SIGNED McRoy Hill

1200–1600

# I EVAP DIST TO # 3 & POT

ADDED 8 OZ CHLORINE PER 1000 GALS

SIGNED McRoy Hill

0400–0800

# 1 Evap. Dist. to # 3 &
Added 8 oz chlorine per 1000 Gals

# 1 part - 23-7 at 2 drops
# 1 Std'd - 16-7 at 2 drops
# 2 part - 23-7 at 2 Drops
# 2 Std'd - 23-7 at 2 Drops

SIGNED R. Shepard

1600–2000

# 1 Evap. Dist. to # 3 &
Added 8 oz chlorine per 1000 Gals

SIGNED R. Shepard

0800–1200

# 1 Evap. Dist. to
# 1 Std'd Feed...

SIGNED E. L. Wagallaus

2000–2400

# 1 Evap. Dist. to
# 1 Std'd Feed...

SIGNED E. L. Wagallaus

NAVSHIPS 3676 (REV. 11-50) BACK

*Stocked in CDS*

*For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.*

PLATE NO. 11613 (BACK)

NAVSHIPS 3676 (REV. 11-60)

# LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY ✓ U. S. S. GEN. JOHN POPE PLANT NO. 2

AT ANCHOR ____ TIME: ZONE DESCRIPTION ____ SET CLOCKS AHEAD OR BACK 20 min MINUTES AT 2300-0100-0500 DATE 9-3 19 67

| | 9-4-67 HOUR ENDING | | | | | | | | | | | | | | | 9-3 67 HOUR ENDING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 |
| STEAM TO REG. VALVE, PRESSURE #G | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| STEAM FROM REG. VALVE, PRESSURE #G | 5 | 5 | 5 | 5" | 5" | 5" | 5" | 5 | 5 | 5 | 5 | 5" | 5 | 5 | 5 | 5" | 5" | 5" | 5" | 5 | 5 | 5 | 5 | 5 |
| STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G | 2 | 2 | 2 | 2" | 2" | 2" | 2" | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2" | 2" | 2" | 2" | 2 | 2 | 2 | 2 | 2 |
| STEAM TO 1ST EFFECT, TEMPERATURE, °F | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| 1ST EFFECT COIL DRAIN, TEMPERATURE, °F | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 188 | 188 | 188 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 |
| 1ST EFFECT SHELL PRESSURE, "HG | 10 | 10 | 10 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | 10 |
| 2D EFFECT COIL DRAIN, TEMPERATURE, °F | 158 | 158 | 158 | 162 | 162 | 162 | 162 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 160 | 160 | 162 | 162 | 158 | 158 | 158 | 158 | 158 |
| 2D EFFECT SHELL PRESSURE, "HG | 22 | 22 | 22 | 22" | 22" | 22" | 22" | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22" | 22" | 22" | 22" | 22 | 22 | 22 | 22 | 22 |
| 3D EFFECT COIL DRAIN, TEMPERATURE, °F | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 142 | 142 | 142 | 144 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 |
| 3D EFFECT SHELL PRESSURE, "HG | 25 | 25 | 25 | 25" | 25" | 25" | 25" | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25" | 25" | 25" | 25" | 25 | 25 | 25 | 25 | 25 |
| CONDENSATE TO COOLER, TEMPERATURE, °F | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 126 | 126 | 126 | 126 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 |
| CONDENSATE FROM COOLER, TEMPERATURE, °F | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 92 | 92 | 92 | 92 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 92 | 92 | 92 | 92 | 94 |
| BRINE OVERBOARD, TEMPERATURE, °F | 125 | 125 | 125 | 125 | 125 | 125 | 126 | 125 | 115 | 115 | 115 | 128 | 128 | 128 | 130 | 125 | 126 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| STEAM TO AIR EJECTOR, PRESSURE, #G | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 94 | 94 | 94 | 94 | 92 | 92 | 92 | 92 | 94 |
| AIR EJECTOR DRAINS, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. WATER INJECTION, TEMPERATURE, °F | 73 | 73 | 73 | 72 | 72 | 72 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F | 73 | 73 | 73 | 72 | 72 | 72 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F | 148 | 148 | 148 | 150 | 150 | 150 | 150 | 148 | 148 | 148 | 148 | 148 | 148 | 150 | 150 | 148 | 148 | 150 | 150 | 148 | 148 | 148 | 148 | 148 |
| FEED TO 1ST EFFECT, TEMPERATURE, °F | 168 | 168 | 168 | 170 | 170 | 170 | 170 | 168 | 168 | 168 | 168 | 166 | 166 | 166 | 168 | 168 | 168 | 170 | 170 | 168 | 168 | 168 | 168 | 168 |
| CIRC. WATER OVERBOARD, TEMPERATURE, °F | 108 | 108 | 108 | 106 | 106 | 106 | 106 | 100 | 100 | 100 | 100 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 108 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. PUMP SUCTION PRESSURE, #G | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| CIRC. PUMP DISCHARGE PRESSURE, #G | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 20 | 20 | 20 | 20 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| BRINE PUMP SUCTION PRESSURE, #G | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 |
| BRINE PUMP DISCHARGE PRESSURE, #G | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| FEED PUMP SUCTION PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED PUMP DISCHARGE PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| 1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G | 3 | 3 | 3 | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 |
| 1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 35 | 35 | 35 | 35 | 36 | 36 | 36 | 36 | 35 | 35 | 36 | 36 | 36 |
| F. W. PUMP DISCHARGE PRESSURE | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED DENSITY, 32NDS | | | | | | | | | | | | | | | | | | | | | | | | |
| BRINE OVERBOARD DENSITY, 32NDS | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| AIR EJECTOR DRAINS, SALINITY—E. P. M. | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 40 | 40 | 40 | 40 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 30 | 20 | 20 | 20 | 20 | 30 |
| 1ST EFFECT DRAINS, SALINITY—E. P. M. | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 |
| CONDENSATE FROM COOLER, SALINITY—E. P. M. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

PLATE NO. 11613

82000
42200
29800

9-4-67 #-2 9-3-67

## DISTILLED WATER RECORD

| HOUR ENDING | METER READING | GALLONS SHIPS TANKS* | GALLONS FEED TANKS* |
|---|---|---|---|
| 0000 | 07540700 | | |
| 0100 | 07546400 | 1600 | |
| 0200 | 07552700 | 1700 | |
| 0300 | 07558000 | 2200 | 1Hr 20 MIN |
| 0400 | 07564400 | 1600 | |
| 0500 | 07571300 | 1700 | |
| 0600 | 07573600 | 2300 | 1 HR. 20 |
| 0700 | 07575300 | 1700 | |
| 0800 | 07576800 | 1500 | |
| 0900 | 07578400 | 1600 | |
| 1000 | 07580100 | 1700 | |
| 1100 | 07582000 | 1900 | |
| 1200 | 07584206 | 1500 | |
| 1300 | 07585900 | 1700 | |
| 1400 | 07587500 | 1600 | |
| 1500 | 07589200 | 1700 | |
| 1600 | 07590700 | 1500 | |
| 1700 | 07592300 | 1600 | |
| 1800 | 07594000 | 1600 | |
| 1900 | 07595700 | 1700 | |
| 2000 | 07597200 | 1600 | |
| 2100 | 07598900 | 1700 | |
| 2200 | 07600500 | 43,700 | 1600 |
| 2300 | 07602200 | | 3200 (1Hr 20 MIN) |
| 2400 | 07603900 | — — — | 1700 |
| | | | 5500 |

* *Indicate under REMARKS number of tanks being filled.*

## SCALING RECORD

| | EFFECT NO. 1 | NO. 2 | NO. 3 |
|---|---|---|---|
| DATE LAST SCALED | | | |
| HOURS BROUGHT FORWARD | 45 | | |
| HOURS THIS DATE | | | |
| HOURS TO DATE | | | |
| GALLONS BROUGHT FORWARD | 69900 | | |
| GALLONS THIS DATE | | | |
| GALLONS TO DATE | | | |

CHECKED (Signature)

APPROVED
(Engineer Officer, U. S. N.)

## REMARKS

0000-0400
#2-EVAP DIST TO #3 & POT

ADDED 8 OZ CHLORINE PER 1000 GALS

SIGNED McRay Hill

0400-0800
#2 Evap. Dist. to #3 & Added 8 oz chlorine per 1000 gals

SIGNED R. Sheppard

0800-1200
#-2 EVAP. DIST. TO #-3 CENTER ... (Added 8 oz chlorine per 1000 gals Dist. ...

SIGNED E. D. Magallanes

1200-1600
#2-EVAP DIST TO #3 POT

ADDED 8 OZ CHLORINE PER 1000 GALS

SIGNED McRay Hill

1600-2000
#2 Evap. Dist to #3 & Added 8 oz chlorine per 1000 gals

SIGNED R. Sheppard

2000-2400
#-2 EVAP. DIST. TO #-2 PORT & #-2 STBD FEED. @ 23:00 SHIFTED DIST. TO #-1 STBD FEED. ...

SIGNED E. D. Magallanes

NAVSHIPS 3676 (REV. 11-50) BACK

*Stocked in CDS*

*For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.*

PLATE NO. 11613 (BACK)

NAVSHIPS 3676 (REV. 11-60)

# LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY V

U. S. S. GEN. C. MORGAN DOYLE PLANT NO. 2

AT ANCHOR

TIME: ZONE DESCRIPTION _____ SET CLOCKS AHEAD OR BACK 2 min MINUTES AT 2300-0100-0500 DATE 9-2 , 1967

| | HOUR ENDING | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 9-3-67 | | | | | | | | | | | | | | | 9-2-67 | | | | | | | | |
| STEAM TO REG. VALVE, PRESSURE #G | | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 7 | 8 | 8 | 8 | 8 | 8 |
| STEAM FROM REG. VALVE, PRESSURE #G | | 4 | 4 | 4 | 4" | 4" | 5" | 5" | 5 | 5 | 5 | 5 | 4" | 4" | 4" | 4" | 5" | 5" | 5" | 5" | 5 | 5 | 5 | 5 | 5 |
| STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G | | 2 | 2 | 2 | 2" | 2" | 2" | 2" | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2" | 2" | 2" | 2" | 2 | 2 | 2 | 2 | 2 |
| STEAM TO 1ST EFFECT, TEMPERATURE, °F | | 230 | 234 | 234 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| 1ST EFFECT COIL DRAIN, TEMPERATURE, °F | | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 188 | 188 | 188 | 188 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 |
| 1ST EFFECT SHELL PRESSURE, "HG | | 10 | 10 | 10 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | 10 |
| 2D EFFECT COIL DRAIN, TEMPERATURE, °F | | 160 | 164 | 164 | 160 | 160 | 160 | 160 | 158 | 158 | 158 | 158 | 156 | 156 | 156 | 156 | 162 | 162 | 162 | 162 | 160 | 160 | 160 | 160 | 160 |
| 2D EFFECT SHELL PRESSURE, "HG | | 22 | 22 | 22 | 22" | 22" | 22" | 22" | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22" | 22" | 22" | 22" | 22 | 22 | 22 | 22 | 22 |
| 3D EFFECT COIL DRAIN, TEMPERATURE, °F | | 146 | 148 | 148 | 148 | 148 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 |
| 3D EFFECT SHELL PRESSURE, "HG | | 23 | 23 | 23 | 25" | 25" | 25" | 25" | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25" | 25" | 25" | 25" | 25 | 25 | 25 | 25 | 25 |
| CONDENSATE TO COOLER, TEMPERATURE, °F | | 132 | 132 | 132 | 132 | 132 | 134 | 134 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 134 | 134 | 134 | 134 | 130 | 130 | 130 | 130 | 132 |
| CONDENSATE FROM COOLER, TEMPERATURE, °F | | 94 | 96 | 96 | 94 | 94 | 95 | 95 | 95 | 95 | 95 | 95 | 92 | 92 | 92 | 92 | 96 | 96 | 96 | 96 | 92 | 92 | 92 | 92 | 94 |
| BRINE OVERBOARD, TEMPERATURE, °F | | 124 | 126 | 126 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 124 | 123 | 122 | 122 | 125 | 125 | 120 | 125 | 125 | 125 | 125 | 125 | 125 |
| STEAM TO AIR EJECTOR, PRESSURE, #G | | 92 | 92 | 92 | 92 | 92 | 90 | 92 | 92 | 92 | 92 | 92 | 94 | 92 | 92 | 92 | 94 | 94 | 92 | 92 | 92 | 92 | 92 | 92 | 92 |
| AIR EJECTOR DRAINS, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. WATER INJECTION, TEMPERATURE, °F | | 73 | 73 | 73 | 74 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 70 | 71 | 72 | 73 | 72 | 72 | 73 | 73 | 72 | 72 | 72 | 72 | 73 |
| CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F | | 73 | 73 | 73 | 74 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 70 | 71 | 72 | 73 | 72 | 72 | 73 | 73 | 72 | 72 | 72 | 72 | 73 |
| CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 146 | 146 | 146 | 146 | 145 | 145 | 145 | 150 | 150 | 150 | 150 | 148 | 148 | 146 | 146 | 146 | 148 |
| FEED TO 1ST EFFECT, TEMPERATURE, °F | | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 166 | 166 | 166 | 166 | 168 | 168 | 168 | 168 | 170 | 170 | 170 | 168 | 168 | 168 | 168 | 168 | 168 |
| CIRC. WATER OVERBOARD, TEMPERATURE, °F | | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 108 | 108 | 108 | 108 | 106 | 106 | 106 | 106 | 108 | 108 | 106 | 105 | 104 | 106 | 106 | 106 | 106 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. PUMP SUCTION PRESSURE, #G | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| CIRC. PUMP DISCHARGE PRESSURE, #G | | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| BRINE PUMP SUCTION PRESSURE, #G | | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 |
| BRINE PUMP DISCHARGE PRESSURE, #G | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 15 | 15 | 15 | 15 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| FEED PUMP SUCTION PRESSURE, #G | | | | | | | | | | | | | | | | | — | — | — | — | | | | | |
| FEED PUMP DISCHARGE PRESSURE, #G | | | | | | | | | | | | | | | | | — | — | — | — | | | | | |
| 1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G | | V | V | V | 2" | 2" | 3" | 3" | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2" | 2" | 2" | 2" | V | V | V | V | V |
| 1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G | | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| F. W. PUMP DISCHARGE PRESSURE | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED DENSITY, 32NDS | | | | | | | | | | | | | | | | | | | | | | | | | |
| BRINE OVERBOARD DENSITY, 32NDS | | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| AIR EJECTOR DRAINS, SALINITY—E. P. M. | | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 40 | 50 | 50 | 50 | 50 | 20 | 20 | 20 | 20 | 40 |
| 1ST EFFECT DRAINS, SALINITY—E. P. M. | | 0 | 0 | 0 | .03 | .02 | .02 | .02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONDENSATE FROM COOLER, SALINITY—E. P. M. | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

PLATE NO. 11613

40700
07501700
39,000

9-3-67 #2 9-2-67

## DISTILLED WATER RECORD

| HOUR ENDING | METER READING | GALLONS SHIPS TANKS* | GALLONS FEED TANKS* |
|---|---|---|---|
| | | | |
| 0000 | 0750000000 | | |
| 0100 | 0752 3400 | 1700 | |
| 0200 | 0752 4900 | 1200 | |
| 0300 | 0752 7100 | 2200 | |
| 0400 | 0752 8700 | 1600 | |
| 0500 | 0753 0400 | 1700 | |
| 0600 | 0753 2600 | 2200 | |
| 0700 | 0753 4200 | 1600 | |
| 0800 | 0753 5800 | 1600 | |
| 0900 | 0753 7400 | 1600 | |
| 1000 | 0753 9100 | 1700 | |
| 1100 | 0754 0700 | 1600 | |
| 1200 | 0754 1700 | 1700 | |
| 1300 | 0754 3200 | 1500 | |
| 1400 | 0754 4900 | 1700 | |
| 1500 | 0754 6500 | 1600 | |
| 1600 | 0754 8000 | 1500 | |
| 1700 | 0754 9400 | 1600 | |
| 1800 | 0755 1300 | 1700 | |
| 1900 | 0755 2900 | 1600 | |
| 2000 | 0755 4500 | 1600 | |
| 2100 | 0755 6100 | 1600 | 1600 |
| 2200 | 0755 7700 | 1600 | 1600 |
| 2300 | 0755 9900 | | 2200 |
| 2400 | 0756 1500 | — — | 1600 |
| | | | 4200 |

* *Indicate under REMARKS number of tanks being filled.*

## SCALING RECORD

| | EFFECT NO. 1 | NO. 2 | NO. 3 |
|---|---|---|---|
| DATE LAST SCALED | | | |
| HOURS BROUGHT FORWARD | 21 | | |
| HOURS THIS DATE | | | |
| HOURS TO DATE | | | |
| GALLONS BROUGHT FORWARD | 29200 | | |
| GALLONS THIS DATE | | | |
| GALLONS TO DATE | | | |

CHECKED (Signature)

APPROVED

(Engineer Officer, U. S. N.)

## REMARKS

0000–0400
#2 - EVAP DIST TO #3 POT

ADDED 8oz CHLORINE PER 1000 GALS

SIGNED McRay Hill

0400–0800
#2 Evap. Dist. to #3 &
Added 8 oz chlorine per 1000 gals.

1 HR 20 MIN

SIGNED R. Shipp

0800–1200
#2 EVAP. DIST TO
#3 CENTRIF - - -

SIGNED E. A. Vaga Comm

1200–1600
#2 EVAP DIST TO #3 & POT

ADDED 8oz CHLORINE PER 1000 GALS

SIGNED McRay Hill

1600–2000
#2 Evap. Dist. to #3 &
Added 8 oz chlorine per 1000 gals.

SIGNED R. Shipp

2000–2400
#2 EVAP. DIST TO
#2 STBD FEED. -

SIGNED E. A. Vaga Comm

NAVSHIPS 3576 (REV. 11-50) BACK

*Stocked in CDS*

*For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.*

PLATE NO. 11613 (BACK)

NAVSHIPS 3676 (REV. 11-50)

# LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY ✓ U.S.S. GEM of Holland Dock PLANT NO. 1

AT ANCHOR ____ TIME: ZONE DESCRIPTION ____ SET CLOCKS AHEAD OR BACK 20 min. MINUTES AT 2300-0100-0500 DATE 9-2, 1967

| | 9-3-67 HOUR ENDING | | | | | | | | | | | | | | | 9-2-67 HOUR ENDING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 |
| STEAM TO REG. VALVE, PRESSURE #G | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 9 | 8 | 8 | 8 | 8 | 8 |
| STEAM FROM REG. VALVE, PRESSURE #G | 3 | 3 | 3 | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3" | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 |
| STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G | 8 | 8 | 9 | 8" | 8" | 8" | 8" | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8" | 8" | 8" | 8" | 8 | 8 | 8 | 8 | 8 |
| STEAM TO 1ST EFFECT, TEMPERATURE, °F | 240 | 239 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| 1ST EFFECT COIL DRAIN, TEMPERATURE, °F | 180 | 180 | 180 | 180 | 182 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 |
| 1ST EFFECT SHELL PRESSURE, "HG | 16 | 16 | 16 | 16" | 16" | 16" | 16" | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16" | 16" | 16" | 16" | 16 | 16 | 16 | 16 | 16 |
| 2D EFFECT COIL DRAIN, TEMPERATURE, °F | 158 | 158 | 158 | 160 | 160 | 160 | 160 | 160 | 156 | 156 | 156 | 158 | 158 | 158 | 158 | 160 | 160 | 160 | 160 | 158 | 158 | 158 | 158 | 158 |
| 2D EFFECT SHELL PRESSURE, "HG | 17 | 17 | 17 | 17" | 17" | 17" | 17" | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17" | 17" | 17" | 17" | 17 | 17 | 17 | 17 | 17 |
| 3D EFFECT COIL DRAIN, TEMPERATURE, °F | 146 | 146 | 148 | 150 | 150 | 148 | 148 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 148 | 150 | 150 | 150 | 146 | 146 | 146 | 146 | 146 |
| 3D EFFECT SHELL PRESSURE, "HG | 23 | 23 | 23 | 24" | 24" | 24" | 24" | 24 | 24 | 24 | 24 | 23 | 23 | 23 | 23 | 24" | 24" | 24" | 24" | 24 | 24 | 24 | 24 | 23 |
| CONDENSATE TO COOLER, TEMPERATURE, °F | 124 | 124 | 126 | 126 | 124 | 124 | 124 | 126 | 126 | 125 | 126 | 124 | 124 | 124 | 124 | 126 | 126 | 126 | 126 | 124 | 126 | 126 | 126 | 124 |
| CONDENSATE FROM COOLER, TEMPERATURE, °F | 88 | 88 | 89 | 88 | 88 | 88 | 89 | 89 | 89 | 89 | 89 | 90 | 90 | 90 | 90 | 88 | 88 | 88 | 88 | 87 | 88 | 88 | 88 | 88 |
| BRINE OVERBOARD, TEMPERATURE, °F | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 118 | 118 | 118 | 118 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| STEAM TO AIR EJECTOR, PRESSURE, #G | 94 | 94 | 94 | 94 | 94 | 96 | 96 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 95 | 95 | 95 | 95 | 94 | 94 | 94 | 94 | 94 |
| AIR EJECTOR DRAINS, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. WATER INJECTION, TEMPERATURE, °F | 73 | 73 | 73 | 74 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 76 | 77 | 77 | 73 | 72 | 72 | 73 | 73 | 72 | 72 | 72 | 72 | 73 |
| CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F | 73 | 73 | 73 | 74 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 76 | 77 | 77 | 73 | 72 | 72 | 73 | 73 | 72 | 72 | 72 | 72 | 73 |
| CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT, TEMPERATURE, °F | 164 | 164 | 166 | 166 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 |
| CIRC. WATER OVERBOARD, TEMPERATURE, °F | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 108 | 108 | 106 | 106 | 106 | 106 | 106 | 106 | 106 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. PUMP SUCTION PRESSURE, #G | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| CIRC. PUMP DISCHARGE PRESSURE, #G | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 18 | 18 | 17 | 17 | 17 | 17 |
| BRINE PUMP SUCTION PRESSURE, #G | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 |
| BRINE PUMP DISCHARGE PRESSURE, #G | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 18 | 18 | 17 | 17 | 17 | 17 | 17 |
| FEED PUMP SUCTION PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED PUMP DISCHARGE PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| 1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G | 10 | 10 | 10 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | 10 |
| 1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 35 | 35 | 35 | 35 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| F. W. PUMP DISCHARGE PRESSURE | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED DENSITY, 32NDS | | | | | | | | | | | | | | | | | | | | | | | | |
| BRINE OVERBOARD DENSITY, 32NDS | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | 40 | 40 | 40 | 30 | 20 | 20 | 20 | 20 | 20 | 40 | 40 | 30 | 30 | 30 | 20 | 20 | 20 | 20 | 30 | 20 | 20 | 20 | 20 | 30 |
| AIR EJECTOR DRAINS, SALINITY—E. P. M. | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 |
| 1ST EFFECT DRAINS, SALINITY—E. P. M. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONDENSATE FROM COOLER, SALINITY—E. P. M. | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

PLATE NO. 11613

330700 39 32200
12298500 71,200 9-3-67 #1 9-2-67
32,200

## DISTILLED WATER RECORD

| HOUR ENDING | METER READING | GALLONS SHIPS TANKS* | GALLONS FEED TANKS* |
|---|---|---|---|
| 0000 | 12297100 | | |
| 0100 | 12316400 | 1300 | |
| 0200 | 12317800 | 1400 | |
| 0300 | 12319600 | 1800 | |
| 0400 | 12321000 | 1400 | |
| 0500 | 12322300 | 1300 | |
| 0600 | 12324100 | | 1800 |
| 0700 | 12325400 | | 1300 |
| 0800 | 12326700 | | 1300 |
| 0900 | 12328000 | | 1300 |
| 1000 | 12329400 | 1400 | |
| 1100 | 12330700 | 1300 | |
| 1200 | 12298500 | 1400 | 1400 |
| 1300 | 12299900 | 1400 | |
| 1400 | 12301400 | 1500 | |
| 1500 | 12302800 | 1400 | |
| 1600 | 12303800 | 1000 | |
| 1700 | 12305200 | 1400 | |
| 1800 | 12306500 | 1300 | |
| 1900 | 12307900 | 1400 | |
| 2000 | 12309200 | 1300 | |
| 2100 | 12310600 | 1400 | 1400 |
| 2200 | 12311900 | 1300 | 1300 |
| 2300 | 12313700 | 1800 | 1800 |
| 2400 | 12315100 | 1400 | 1400 |
| | | | 13,000 |

* *Indicate under REMARKS number of tanks being filled.*

## SCALING RECORD

| | EFFECT NO. 1 | NO. 2 | NO. 3 |
|---|---|---|---|
| DATE LAST SCALED | | | |
| HOURS BROUGHT FORWARD | 21 | | |
| HOURS THIS DATE | | | |
| HOURS TO DATE | | | |
| GALLONS BROUGHT FORWARD | 27100 | | |
| GALLONS THIS DATE | | | |
| GALLONS TO DATE | | | |

CHECKED (Signature)

APPROVED

(Engineer Officer, U. S. N.)

## REMARKS

0000–0400

#1 EVAP DIST TO #3 & POT

ADDED 8 oz CHLORINE PER 1000 GALS

SIGNED McRay Hill

0400–0800

#1 Evap. dist to #3 & @ 0500 shifted dist to #1 stbd. feed

#1 port - 23' - 7 st 2 drops
#1 stbd - 19' - 7 st 2 drops
#2 port - 21' - 7 st 2 drops
#2 stbd - 22' - 7 st 2 drops

1 Hr 20 min

SIGNED R. Skipper

0800–1200

#-1 EVAP. DIST. TO #-1 STBD FEED...

@ 0900 SHIFTED DIST. TO #-3 CENTER...

SIGNED E. J. Yagallano

1200–1600

#1 EVAP DIST TO #3 & POT

ADDED 8 oz CHLORINE PER 1000 GALS

SIGNED McRay Hill

1600–2000

#1 Evap. dist to #3 & added 8 oz chlorine per 1000 gals.

SIGNED R. Skipper

2000–2400

#-1 EVAP. DIST TO #-2 STBD FEED...

SIGNED E. J. Yagallano

NAVSHIPS 3676 (REV. 11-50) BACK

*Stocked in CDS*

*For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.*

PLATE NO. 11613 (BACK)

NAVSHIPS 3676 (REV. 11-60)

# LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY ✓

AT ANCHOR

U. S. S. GEN. LOGAN POPE PLANT NO. 2

TIME: ZONE DESCRIPTION _____ SET CLOCKS AHEAD OR BACK 20 min. MINUTES AT 2300-0100-0500 DATE 9-1, 1967

| | 9-2-67 HOUR ENDING | | | | | | | | | | | | 9-1-67 HOUR ENDING | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 |
| STEAM TO REG. VALVE, PRESSURE #G | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | 4 | 4 | 4 | 0 | 0 | 7 | 11 | 8 | 8 | 8 | 8 | 8 |
| STEAM FROM REG. VALVE, PRESSURE #G | 5" | 5" | 5" | 5" | 5" | 5" | 5" | 5 | 5 | 5 | 5 | | 2" | 0 | 0 | 0 | 0 | 10" | 10" | 5 | 5 | 5 | 5 | 5" |
| STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G | 2 | 2 | 2 | 2" | 2" | 2" | 2" | 2 | 2 | 2 | 2 | | 1 | 0 | 0 | 0 | 0 | 5" | 6" | 3 | 3 | 3 | 3 | 2 |
| STEAM TO 1ST EFFECT, TEMPERATURE, °F | 230 | 230 | 230 | 225 | 230 | 240 | 240 | 240 | 240 | 240 | 240 | | 240 | 180 | 234 | 230 | 230 | 230 | 230 | 240 | 240 | 240 | 240 | 225 |
| 1ST EFFECT COIL DRAIN, TEMPERATURE, °F | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | | 174 | 170 | 170 | 110 | 110 | 180 | 180 | 186 | 186 | 186 | 186 | 184 |
| 1ST EFFECT SHELL PRESSURE, "HG | 10 | 10 | 10 | 10" | 10" | 10" | 10" | 10 | 10 | 10 | 10 | | 8 | 8 | 8 | 16" | 16" | 10 | 11" | 10 | 10 | 10 | 10 | 10 |
| 2D EFFECT COIL DRAIN, TEMPERATURE, °F | 158 | 158 | 158 | 160 | 160 | 160 | 160 | 158 | 158 | 158 | 158 | | 158 | 150 | 150 | 104 | 104 | 192 | 192 | 158 | 158 | 158 | 158 | 158 |
| 2D EFFECT SHELL PRESSURE, "HG | 22 | 22 | 22 | 22" | 22" | 22" | 22" | 22 | 22 | 22 | 22 | | 21 | 22 | 22 | 23" | 22" | 23" | 23" | 22 | 22 | 22 | 22 | 22 |
| 3D EFFECT COIL DRAIN, TEMPERATURE, °F | 144 | 144 | 144 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | | 144 | 140 | 140 | 140 | 140 | 144 | 144 | 146 | 146 | 146 | 146 | 144 |
| 3D EFFECT SHELL PRESSURE, "HG | 25 | 25 | 25 | 25" | 25" | 25" | 25" | 25 | 25 | 25 | 25 | | 23 | 23 | 23 | 25" | 25" | 25" | 25" | 25 | 25 | 25 | 25 | 25 |
| CONDENSATE TO COOLER, TEMPERATURE, °F | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 132 | 132 | 132 | 132 | | 139 | 137 | 132 | 132 | 132 | 128 | 128 | 136 | 136 | 136 | 136 | 136 |
| CONDENSATE FROM COOLER, TEMPERATURE, °F | 92 | 92 | 92 | 94 | 94 | 92 | 92 | 92 | 92 | 92 | 92 | | 90 | 90 | 90 | 90 | 90 | 86 | 86 | 92 | 92 | 92 | 92 | 92 |
| BRINE OVERBOARD, TEMPERATURE, °F | 120 | 120 | 120 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | | 128 | 128 | 128 | 124 | 126 | 125 | 125 | 118 | 118 | 118 | 118 | 120 |
| STEAM TO AIR EJECTOR, PRESSURE, #G | 96 | 96 | 96 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | | 96 | 96 | 96 | 92 | 92 | 92 | 96 | 96 | 96 | 96 | 96 | 92 |
| AIR EJECTOR DRAINS, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. WATER INJECTION, TEMPERATURE, °F | 67 | 67 | 68 | 69 | 69 | 68 | 68 | 68 | 68 | 68 | 68 | | 67 | 67 | 61 | | | | 62 | 62 | 62 | 62 | 62 | 65 |
| CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F | 67 | 67 | 68 | 69 | 69 | 68 | 68 | 68 | 68 | 68 | 68 | | 67 | 67 | 61 | | | | 62 | 62 | 62 | 62 | 62 | 65 |
| CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F | 150 | 150 | 150 | 150 | 150 | 150 | 148 | 148 | 148 | 148 | 148 | | 150 | 140 | 140 | 80 | 120 | 144 | 144 | 148 | 148 | 148 | 148 | 108 |
| FEED TO 1ST EFFECT, TEMPERATURE, °F | 170 | 170 | 170 | 170 | 170 | 170 | 168 | 168 | 168 | 168 | 168 | | 168 | 160 | 160 | 86 | 140 | 146 | 146 | 168 | 168 | 168 | 168 | 170 |
| CIRC. WATER OVERBOARD, TEMPERATURE, °F | | 108 | 108 | 108 | 108 | 104 | 104 | 106 | 106 | 106 | 106 | | 104 | 104 | 104 | 70 | 100 | 104 | 106 | 108 | 108 | 108 | 108 | 108 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. PUMP SUCTION PRESSURE, #G | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| CIRC. PUMP DISCHARGE PRESSURE, #G | 21 | 21 | 21 | 21 | 21 | 22 | 22 | 22 | 22 | 22 | 22 | | 21 | 21 | 21 | 21 | 21 | 21 | 22 | 22 | 22 | 22 | 22 | 22 |
| BRINE PUMP SUCTION PRESSURE, #G | 25 | 25 | 25 | 25" | 25" | 26" | 26" | 26 | 26 | 26 | 26 | | 25 | 26 | 25 | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 | 26 |
| BRINE PUMP DISCHARGE PRESSURE, #G | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | | 12 | 12 | 12 | 14 | 14 | 14 | | 20 | 20 | 20 | 20 | 20 |
| FEED PUMP SUCTION PRESSURE, #G | | | | — | — | — | — | | | | | | | | | — | — | — | | | | | | |
| FEED PUMP DISCHARGE PRESSURE, #G | | | | — | — | — | — | | | | | | | | | — | — | — | | | | | | |
| 1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G | 3 | 3 | 3 | 3" | 3" | 3" | 3 | 3 | 3 | 3 | 3 | | 1 | 1 | 1 | 1 | 1 | 1 | 1" | 3 | 3 | 3 | 3 | 3 |
| 1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | | 44 | 44 | 44 | 4 | | | 34 | 36 | 36 | 36 | 36 | 36 |
| F. W. PUMP DISCHARGE PRESSURE | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | 0 | 16 | 16 | 0 | 0 | 0 | 0 | 10 | 10 | 10 | 10 | 10 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED DENSITY, 32NDS | | | | | | | | | | | | | | | | | | | | | | | | |
| BRINE OVERBOARD DENSITY, 32NDS | 1.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| AIR EJECTOR DRAINS, SALINITY—E. P. M. | HD | HD | HD | 5.0 | 5.0 | 4.6 | HD | 5.0 | 5.0 | 5.0 | 5.0 | | HD | HD | HD | 3.2 | 1.2 | 1.2 | 2.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 1ST EFFECT DRAINS, SALINITY—E. P. M. | .04 | .04 | .04 | .04 | .04 | .04 | .04 | .03 | .03 | .03 | .03 | | .02 | .02 | .02 | .02 | .02 | .02 | .02 | .02 | .02 | .02 | .02 | .02 |
| CONDENSATE FROM COOLER, SALINITY—E. P. M. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

PLATE NO. 11613

07500000
7410800
29200

#2

## DISTILLED WATER RECORD

| HOUR ENDING | METER READING | GALLONS SHIPS TANKS* | GALLONS FEED TANKS* | |
|---|---|---|---|---|
| 0000 | | | | |
| 0100 | 07482100 | 1900 | | |
| 0200 | 07483700 | 1600 | | |
| 0300 | 07486000 | 2300 | | 1-hr 20 MIN |
| 0400 | 07487600 | 1600 | | |
| 0500 | 07489300 | 1700 | | |
| 0600 | 07491600 | 2300 | | 1 Hr-20 MIN |
| 0700 | 07493500 | 1900 | | |
| 0800 | 07495000 | 1500 | | |
| 0900 | 07496700 | 1700 | | |
| 1000 | 07498400 | 1700 | | |
| 1100 | 07500000 | 1600 | | |
| 1200 | | | | |
| 1300 | | | | |
| 1400 | | | | |
| 1500 | | | | |
| 1600 | 07470800 | | | |
| 1700 | 07476900 | 100 | | |
| 1800 | [illegible] | — | | |
| 1900 | 07471600 | 700 | | |
| 2000 | 07473000 | 1400 | | |
| 2100 | 07474400 | 1400 | | |
| 2200 | 07476000 | 1600 | | |
| 2300 | 07478500 | 2500 | | 1 HR 20 MIN |
| 2400 | 07480200 | 1700 | | |
| | | 36,200 | | |

** Indicate under REMARKS number of tanks being filled.*

## SCALING RECORD

| | EFFECT NO. 1 | NO. 2 | NO. 3 |
|---|---|---|---|
| DATE LAST SCALED | | | |
| HOURS BROUGHT FORWARD | | | |
| HOURS THIS DATE | | | |
| HOURS TO DATE | | | |
| GALLONS BROUGHT FORWARD | | | |
| GALLONS THIS DATE | | | |
| GALLONS TO DATE | | | |

CHECKED (Signature)

APPROVED [signature]
(Engineer Officer, U. S. N.)

## REMARKS

9-2-67

0000–0400 #2 - EVAP DIST TO #3 ℄ POT

ADDED 8 oz CHLORINE PER 1000 GALS

SIGNED McRoy Hill

0400–0800 #2 Evap. dist. to #3 ℄
Add. 8 oz chlorine per 1000 gals

SIGNED R. Shepard

0800–1200 #-2 EVAP. DIST. TO #-3 ℄
Added 8 oz chlorine per 1000 gals DIST...

SIGNED E. J. Vagadamis

9-1-67

1200–1600 #2 - EVAP DIST TO #3 ℄ POT

ADDED 8 oz CHLORINE PER 1000 GALS

LITE OFF 1300

SIGNED McRoy Hill

1600–2000 #2 Dist to [illegible]
Elect. working on it,

SIGNED R. Shepard

2000–2400 #-2 EVAP. DIST. TO #-3 CENTER...
Added 8 oz. chlorine per 1000 gals DIST...

SIGNED E. J. Vagadamis

NAVSHIPS 3676 (REV. 11-50) BACK

*Stocked in CDS*

*For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.*

PLATE NO. 11613 (BACK)

NAVSHIPS 3676 (REV. 11-50)

# LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY ✓

AT ANCHOR

U. S. S. GEO. CLYMER DOPE PLANT NO. I

TIME: ZONE DESCRIPTION _____ SET CLOCKS AHEAD OR BACK 20 MIN MINUTES AT 2300-0100-0400 DATE 9-2 , 19 47

| | 9-2-47 HOUR ENDING | | | | | | | | | | | | | | | | | | 9-3-47 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 |
| STEAM TO REG. VALVE, PRESSURE #G | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| STEAM FROM REG. VALVE, PRESSURE #G | 2" | 2 | 2" | 3" | 3" | 3" | 8" | 3 | 3 | 3 | 3 | 3 | 6" | 0 | 0 | 2" | 2" | 2" | 2" | 3 | 3 | 3 | 3 | 2" |
| STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G | 8 | 8 | 8 | 8" | 8" | 8" | 8" | 8 | 8 | 8 | 8 | 8 | 9 | 7 | 7 | 9" | 9" | 9 | 8" | 9 | 9 | 9 | 9 | 8 |
| STEAM TO 1ST EFFECT, TEMPERATURE, °F | 235 | 232 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | [illegible] | 240 | 240 | 240 | 230 | 240 | 230 |
| 1ST EFFECT COIL DRAIN, TEMPERATURE, °F | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 179 | 175 | 175 | 179 | 179 | [illegible] | 175 | 175 | 180 | 180 | 179 | 180 |
| 1ST EFFECT SHELL PRESSURE, "HG | 16 | 16 | 16 | 15" | 16" | 16" | 16" | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16" | 16" | 16" | 16" | 16 | 16 | 16 | 16 | 16 |
| 2D EFFECT COIL DRAIN, TEMPERATURE, °F | 156 | 156 | 156 | 160 | 160 | 160 | 160 | 156 | 156 | 156 | 156 | 156 | 158 | 158 | 158 | 158 | 158 | [illegible] | 158 | 158 | 156 | 156 | 156 | 156 |
| 2D EFFECT SHELL PRESSURE, "HG | 17 | 17 | 17 | 16" | 16" | 17" | 17" | 17 | 17 | 17 | 17 | 17 | 16 | 16 | 16 | 17" | 17" | [illegible] | [illegible] | 17 | 17 | 17 | 17 | 17 |
| 3D EFFECT COIL DRAIN, TEMPERATURE, °F | 148 | 148 | 148 | 150 | 150 | 150 | 150 | 146 | 146 | 146 | 146 | 146 | 148 | 150 | 150 | 150 | 150 | [illegible] | [illegible] | 148 | 146 | 146 | 146 | 146 |
| 3D EFFECT SHELL PRESSURE, "HG | 25 | 25 | 25 | 24" | 24" | 24" | 24" | 24 | 24 | 24 | 24 | 24 | 25 | 25 | 25 | 25" | 20" | [illegible] | 25" | 24 | 24 | 24 | 24 | 24 |
| CONDENSATE TO COOLER, TEMPERATURE, °F | 127 | 127 | 128 | 128 | 128 | 128 | 128 | 126 | 126 | 126 | 126 | 126 | 126 | 128 | 128 | 128 | 128 | [illegible] | 125 | 126 | 128 | 126 | 126 | 124 |
| CONDENSATE FROM COOLER, TEMPERATURE, °F | 86 | 86 | 88 | 88 | 88 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 85 | 86 | 80 | 86 | 86 | [illegible] | 86 | 82 | 86 | 82 | 82 | 84 |
| BRINE OVERBOARD, TEMPERATURE, °F | 120 | 120 | 120 | 124 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 118 | 118 | 128 | 125 | 125 | [illegible] | 125 | 118 | 118 | 118 | 118 | 120 |
| STEAM TO AIR EJECTOR, PRESSURE, #G | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 89 | 90 | 90 | 94 | 94 | [illegible] | 96 | 96 | 96 | 96 | 96 | 96 |
| AIR EJECTOR DRAINS, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. WATER INJECTION, TEMPERATURE, °F | 67 | 67 | 68 | 69 | 69 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 67 | 67 | 61 | 58 | 58 | [illegible] | 62 | 62 | 62 | 62 | 62 | 65 |
| CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F | 67 | 67 | 68 | 69 | 69 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 67 | 67 | 61 | 58 | 58 | [illegible] | 62 | 62 | 62 | 62 | 62 | 65 |
| CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED TO 1ST EFFECT, TEMPERATURE, °F | 166 | 166 | 168 | 166 | 166 | 166 | 164 | 166 | 166 | 166 | 166 | 166 | 164 | 162 | 164 | 162 | 162 | 164 | 166 | 166 | 166 | 166 | 166 | 166 |
| CIRC. WATER OVERBOARD, TEMPERATURE, °F | 104 | 104 | 106 | 106 | 106 | 106 | 104 | 106 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 102 | 102 | 102 | 102 | 104 | 104 | 104 | 104 | 104 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRC. PUMP SUCTION PRESSURE, #G | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| CIRC. PUMP DISCHARGE PRESSURE, #G | 17 | 17 | 17 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 18 | 18 | 18 | 18 | 18 |
| BRINE PUMP SUCTION PRESSURE, #G | 25 | 25 | 25 | 25" | 25" | 25" | 25" | 25 | 25 | 25 | 25 | | 26 | 26 | 26 | 26" | 26" | 26" | 26" | 26 | 26 | 26 | 26 | 26 |
| BRINE PUMP DISCHARGE PRESSURE, #G | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | | 27 | 27 | 27 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| FEED PUMP SUCTION PRESSURE, #G | | | | | | | | | | | | | | | | — | — | — | — | | | | | |
| FEED PUMP DISCHARGE PRESSURE, #G | | | | | | | | | | | | | | | | | | | | | | | | |
| 1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G | 9 | 9 | 9 | 9" | 9" | 9" | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 7 | 9" | 9" | 9" | 9" | 10 | 10 | 10 | 10 | 10 |
| 1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 35 | 38 | 35 | 38 | 35 | 0 | 35 | 35 | 35 | 35 | 35 | 36 | 36 | 36 | 36 | 36 | 36 |
| F. W. PUMP DISCHARGE PRESSURE | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | [illegible] | [illegible] | [illegible] | [illegible] | 10 | 10 | 10 | 10 | 10 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| FEED DENSITY, 32NDS | | | | | | | | | | | | | | | | | | | | | | | | |
| BRINE OVERBOARD DENSITY, 32NDS | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | [illegible] | [illegible] | [illegible] | [illegible] | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| AIR EJECTOR DRAINS, SALINITY—E. P. M. | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 40 | 40 | [illegible] | [illegible] | [illegible] | [illegible] | 50 | 50 | 50 | 50 | 50 |
| 1ST EFFECT DRAINS, SALINITY—E. P. M. | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | [illegible] | [illegible] | [illegible] | [illegible] | 02 | 02 | 02 | 02 | 02 |
| CONDENSATE FROM COOLER, SALINITY—E. P. M. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] | [illegible] | [illegible] | [illegible] | 0 | 0 | 0 | 0 | 0 |

PLATE NO. 11613

12297100
12270000
27100

# DISTILLED WATER RECORD

| HOUR ENDING | METER READING | GALLONS SHIPS TANKS* | GALLONS FEED TANKS* |
|---|---|---|---|
| 0000 | | | |
| 0100 | 12283100 | 1400 | |
| 0200 | 12284400 | 1300 | |
| 0300 | 12286100 | 1700 | 1hr 20 min |
| 0400 | 12287400 | 1300 | |
| 0500 | 12288700 | 1300 | |
| 0600 | 12290500 | | 1800 |
| 0700 | 12291900 | | 1400 |
| 0800 | 12293000 | | 1100 |
| 0900 | 12294300 | | 1300 |
| 1000 | 12295700 | 1400 | |
| 1100 | 12297100 | | 1400 |
| 1200 | | | 7,000 |
| 1300 | | | |
| 1400 | | | |
| 1500 | | | |
| 1600 | 12270000 | | |
| 1700 | 12271400 | 1400 | |
| 1800 | 27 00 | | |
| 1900 | 12274100 | 1400 | |
| 2000 | 12275500 | 1400 | |
| 2100 | 12277000 | 1500 | |
| 2200 | 12278500 | 1500 | |
| 2300 | 12280400 | 1900 | 1 Hr 20 min |
| 2400 | 12281900 | 1300 | |
| | | 20,100 | |

* *Indicate under REMARKS number of tanks being filled.*

# SCALING RECORD

| | EFFECT NO. 1 | NO. 2 | NO. 3 |
|---|---|---|---|
| DATE LAST SCALED | | | |
| HOURS BROUGHT FORWARD | | | |
| HOURS THIS DATE | | | |
| HOURS TO DATE | | | |
| GALLONS BROUGHT FORWARD | | | |
| GALLONS THIS DATE | | | |
| GALLONS TO DATE | | | |

CHECKED (Signature)

APPROVED
(Engineer Officer, U. S. N.)

NAVSHIPS 3676 (REV. 11-50) BACK

# REMARKS

#1

9-2-67

0000-0400 #1 EVAP DIST TO #3 & P&T

ADDED 8 OZ CHLORINE PER 1000 GALS

NR-20 min

SIGNED McRay Hill

0400-0800 #1 Evap. dist. to #3 @ 0500 Shifted dist. to #1 Std. Feed

#1 port - 23' - 7 st 2 drops
#1 Std - 14' - 7 st 2 drops
#2 port - 21' - 7 st 2 drops
#2 Std - 15' - 7 st 2 drops

SIGNED R. Sheppard

0800-1200 #1 EVAP. DIST. TO #1 STD FEED.... @ 0900 Shifted to #3 & #1000 DIST. TO #1 STD FEED

SIGNED E. D. Vegalluzzo

9-1-67

1200-1600 #1 EVAP DIST TO #3 & P&T

ADDED 8 OZ CHLORINE PER 1000 GALS

LITE OFF 1400

SIGNED McRay Hill

1600-2000 #1 Evap [illegible] Added 8 oz chlorine per 1000 gals Dist.

SIGNED [illegible]

2000-2400 #1 EVAP. DIST. TO #3 HEATER (Added 8 oz Chlorine per 1000 gals Dist...

SIGNED E. D. Vegalluzzo

*Stocked in CDS*

*For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.*

PLATE NO. 11613 (BACK)