U.S. DOD Form dod-navsea-9255-17

AUXILIARY/WASTE HEAT FEEDWATER CHEMISTRY WORKSHEET/LOG

SYSTEM ____________ SHIP ____________ DATE ____________ PAGE ______

CHEMICAL TESTS AND SALINITY/CONDUCTIVITY INDICATOR COMPARISON (REQUIRED DAILY)

NOTE: µmho/cm/145=epm

TIME	INDICATOR LOCATION	CHLORIDE ml MERCURIC NITRATEx0.1= epm CHLORIDE		INDICATOR READING		COM-PARISON	HARDNESS ml EDTAx0.2= epm HARDNESS		OIL KING INITIAL
		ml	epm	µmho/cm	epm	SAT/UNSAT	ml	epm	

DEAERATED FEEDWATER

TIME	DFT	CODE	DISSOLVED OXYGEN 15 ppb MAX	LEGEND/TEST CODE
				AOL 2 TO 3 HOURS AFTER GENERATOR LIGHT-OFF
				RTE WITHIN 24 HOURS
				OTH OTHER

FEEDWATER TESTS

TIME	LOCATION	INDICATOR READING µmho/cm or epm	CHLORIDE ml MERCURIC NITRATEx0.1= epm CHLORIDE		HARDNESS ml EDTAx0.2= epm HARDNESS		OIL KING INITIAL
			ml	epm	ml	epm	

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TIME	REMARKS:

SHORE STEAM & SHORE SOURCE FEEDWATER SUPPLIER REQUIREMENTS (MAXIMUM)	SHORE STEAM/ CONDENSATE	PROCESSED FEEDWATER
CONDUCTIVITY, μmho/cm	25	2.5
HARDNESS, epm	0.10	–
DISSOLVED SILICA, ppm	0.2	0.2
pH (RANGE)	5.0 TO 9.5	–
TOTAL SUSPENDED SOLIDS, ppm	0.10	–

REQUIREMENTS/LIMITS (MAXIMUM)	SALINITY INDICATOR epm	CONDUC-TIVITY μmho/cm	CHLORIDE epm	HARDNESS epm
DISTILLATE	0.065	10.0	0.07	–
DISTILLER AIR EJECTOR DRAINS	0.065	10.0	0.05	–
RESERVE/MAKE-UP/IDLE FEEDWATER	0.10	15.0	0.10	0.10
CONDENSATE/DRAINS/FEEDWATER	0.05	8.0	0.05	0.02
SHORE SOURCE FEEDWATER	–	<40	–	0.10

LCPO INITIAL	LCPO DATE	MPA INITIAL	MPA DATE	REVIEWED: (ENGINEER OFFICER)	DATE