

## LAMPIRAN 5

### ALARM SETTING POINT *INERT GAS SYSTEM* MT. SERUI / PERTAMINA 3020

ITEM NO.	DESCRIPTION	TESTING METHOD	SETPOINT	ALARM GROUP	CHEC KED
AAh 204	O <sub>2</sub> CONTENT HIGH	ADJUST OXYGEN CONTENT ABOVE HIGH ALARM LIMIT	5 %	C	
AAI 204	O <sub>2</sub> CONTENT LOW	ADJUST OXYGEN CONTENT BELOW LOW ALARM LIMIT	1 %	C	
PAh 182	INERT GAS DECK MAIN PRESSURE HIGH	SIMULATE PRESSURE TO TRANSMITTER TEST COCK	1450 mmWG	C-1	
PAII 182	INERT GAS DECK MAIN PRESSURE LOW LOW	SIMULATE PRESSURE TO TRANSMITTER TEST COCK	50 mmWG	E	
PAI 187	INERT GAS DECK MAIN PRESSURE LOW	SIMULATE PRESSURE TO ALARM SWITCH TEST COCK	100 mmWG	D	ST
PAI 183	INSTRUMENT AIR SUPPLY PRESSURE LOW	SIMULATE WITH TEST COCK TO ALARM SWITCH	6BAR	A	
PAI 184	SEA WATER SUPPLY PRESSURE LOW	SIMULATE WITH TEST COCK TO ALARM SWITCH	1.5BAR	B-1	
PAI 189	S.W. TO D.W.S PRESSURE LOW	STOP SEA WATER PUMP TO DECK WATER SEAL	0.3 BAR	D-2	ST
TAh 188	HIGH INERT GAS TEMPERATURE OUTLET	A) ADJUST SET POINT B) HEAT UP SENSOR	65 °C	B-1	
IAI 103	BLOWER 1 MOTOR LOAD LOW	CLOSE OUTLET VALVE ON BLOWER	45AMP	B-1	
IAI 104	BLOWER 2 MOTOR LOAD LOW	CLOSE OUTLET VALVE ON BLOWER	45AMP	B-1	
TaH 192	HIGH INERT GAS TEMP. IN SCRUBBER	A) ADJUST SET POINT B) HEAT UP SENSOR	65 °C	B-1	
ITEM NO.	DESCRIPTION	TESTING METHOD	SETPOINT	ALARM GROUP	CHEC KED
H 129	SEA WATER PUMP POWER FAILURE	SWITCH OFF POWER ON STARTER CABINET	NA	A-1	

H 14	S.W. EFFLUENT OVERBOARD VALVE POSITION FAILURE	BRIDGE/DISCONNECT INPUT SIGNAL	NA	A	
TA 188	SIGNAL FAULT INERT GAS TEMPERATURE	DISCONNECT SENSOR CABLE	NA	D	
H 300	24 VDC CONTROL POWER FAILURE	REMOVE K2 RELAY	NA	A-1	

**FAT – EMERGENCY SHUT DOWN ALARM TEST (PANEL U10)**

Item no.	Alarm and test description	Alarm indication	Alarm/stop action	Check
PALL 184	<p>Low-low seawater inlet pressure shut down alarm.</p> <ul style="list-style-type: none"> <li>▪ Switch off PS 188 signal with test switch.</li> </ul> <p>(low-low = 1.2 bar)</p>	<ul style="list-style-type: none"> <li>▪ Red LED indicating in alarm unit U10 located in the MCP front.</li> <li>▪ Local alarm reset on U10</li> <li>▪ Alarm text: Emergency stop alarm</li> </ul>	System goes to an instant complete stop and all pneumatic controlled valves will go to safe position.	
TAHH 188	<p>High-high inert gas temperature outlet scrubber shut down alarm.</p> <ul style="list-style-type: none"> <li>▪ Switch off TS 188 signal with test switch. (high-high = 75 °C)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Red LED indicating in alarm unit U10 located in the MCP front.</li> <li>▪ Local alarm reset on U10</li> <li>▪ Alarm text: Emergency stop alarm</li> </ul>	System goes to an instant complete stop and all pneumatic controlled valves will go to safe position.	
LAHH 193-2	<p>High-high seawater level in scrubber shut down alarm.</p> <ul style="list-style-type: none"> <li>▪ Switch off LS 193-2 signal with test switch.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Red LED indicating in alarm unit U10 located in the MCP front.</li> <li>▪ Local alarm reset on U10</li> <li>▪ Alarm text: Emergency stop alarm</li> </ul>	System goes to an instant complete stop and all pneumatic controlled valves will go to safe position.	