

Contract No.		SHEET		DWG. NO.		REV																																																																																																																									
LNG19-00079		1 OF 1		143-PV-E-189314		A2																																																																																																																									
REV	DESCRIPTION	Prepared By	Reviewed By	Approved By	DATE																																																																																																																										
A	Issued for Review and Acceptance	U.Moser	M.Grippa	V. Molasi	12-Aug-2020																																																																																																																										
B	Issued for Review and Acceptance	U.Moser	M.Grippa	V. Molasi	07-Sept-2020																																																																																																																										
C	Issued for Review and Acceptance	U.Moser	M.Grippa	V. Molasi	23.07.2025																																																																																																																										
<p>THE INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND THE PROPERTY OF NOV PROCESS & FLOW TECHNOLOGIES AS. THE INFORMATION IS ISSUED ON THE UNDERSTANDING THAT IT MUST NOT BE TRACED OR REPRODUCED IN ANY MANNER, NOR THIS PRINT OR THE DESIGN DETAILED HEREIN, BE DISCLOSED TO A THIRD PARTY FOR QUOTING OR COPYING WITHOUT WRITTEN CONSENT OF NOV PROCESS & FLOW TECHNOLOGIES AS. THIS PRINT IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SPECIFICALLY ISSUED</p> <p>LEGEND</p> <p>O = OPEN Ps = PERMISSIVE TO START Mc = MANUAL MODE, CLOSE VALVE C = CLOSED Po = PERMISSIVE TO OPEN Mo = MANUAL MODE, OPEN VALVE T = TRIP Pc = PERMISSIVE TO CLOSE & = "AND" FUNCTION S = STOP / SWITCH OFF Io = INHIBIT TO OPEN R = RESET A = ACTIVATE / START Is = INHIBIT TO START</p> <p>CAUSE</p> <table border="1"> <thead> <tr> <th>INITIATOR LOCATION</th> <th>INITIATOR TAG</th> <th>STATUS</th> <th>INITIATOR SERVICE DESCRIPTION</th> <th>P&ID / DOC N°</th> <th>NOTE</th> </tr> </thead> <tbody> <tr> <td>advice location</td> <td>advice TAG</td> <td>advice status</td> <td>143-1Z-2001 Total Plant ESD</td> <td>HOLD</td> <td></td> </tr> <tr> <td>ESD</td> <td>000-1Z-0001</td> <td></td> <td>ESD initiated</td> <td></td> <td></td> </tr> <tr> <td>PCS</td> <td></td> <td>ACTIVATE</td> <td>RESET PUSH BUTTON</td> <td></td> <td></td> </tr> <tr> <td>FIELD</td> <td>143-PT-6003A</td> <td>PAHH</td> <td>High High Pressure, Rich MEG Filter Pump, 143-U-102-P20</td> <td>MZ-143-NOV-PR-PID-S08001-01</td> <td></td> </tr> <tr> <td>PCS</td> <td></td> <td>ACTIVATE</td> <td>RESET PUSH BUTTON</td> <td></td> <td></td> </tr> <tr> <td>FIELD</td> <td>143-LT-6004A</td> <td>LAHH</td> <td>High High Level; Rich MEG filter Feed Tank 143-U-102-TK04</td> <td>MZ-143-NOV-PR-PID-S08001-01</td> <td>Note 1.</td> </tr> <tr> <td>PCS</td> <td></td> <td>ACTIVATE</td> <td>RESET PUSH BUTTON</td> <td></td> <td></td> </tr> <tr> <td>FIELD</td> <td>143-LT-6005A</td> <td>LALL</td> <td>Low Low Level, Rich MEG filter Feed Tank 143-U-102-TK04</td> <td>MZ-143-NOV-PR-PID-S08001-01</td> <td></td> </tr> <tr> <td>PCS</td> <td></td> <td>ACTIVATE</td> <td>RESET PUSH BUTTON</td> <td></td> <td></td> </tr> <tr> <td>FIELD</td> <td>143-PT-6003B</td> <td>PAHH</td> <td>High High Pressure, Rich MEG Filter Pump, 143-U-102-P21</td> <td>MZ-143-NOV-PR-PID-S08001-01</td> <td></td> </tr> <tr> <td>PCS</td> <td></td> <td>ACTIVATE</td> <td>RESET PUSH BUTTON</td> <td></td> <td></td> </tr> <tr> <td>FIELD</td> <td>143-LT-6004B</td> <td>LAHH</td> <td>High High Level, Rich MEG filter Feed Tank 143-U-102-TK05</td> <td>MZ-143-NOV-PR-PID-S08001-01</td> <td>Note 1.</td> </tr> <tr> <td>PCS</td> <td></td> <td>ACTIVATE</td> <td>RESET PUSH BUTTON</td> <td></td> <td></td> </tr> <tr> <td>FIELD</td> <td>143-LT-6005B</td> <td>LALL</td> <td>Low Low Level, Rich MEG filter Feed Tank 143-U-102-TK05</td> <td>MZ-143-NOV-PR-PID-S08001-01</td> <td></td> </tr> <tr> <td>PCS</td> <td></td> <td>ACTIVATE</td> <td>RESET PUSH BUTTON</td> <td></td> <td></td> </tr> <tr> <td>FIELD</td> <td>143-LT-6052</td> <td>LAHH</td> <td>High High Level, Wash Water Tank 143-U-102-TK06</td> <td>MZ-143-NOV-PR-PID-S08001-01</td> <td></td> </tr> <tr> <td>PCS</td> <td></td> <td>ACTIVATE</td> <td>RESET PUSH BUTTON</td> <td></td> <td></td> </tr> <tr> <td>advice location</td> <td>advice TAG</td> <td>advice status</td> <td>HOLD (advice interlock number) Group Reset</td> <td>HOLD</td> <td></td> </tr> <tr> <td>PCS</td> <td></td> <td>ACTIVATE</td> <td>RESET PUSH BUTTON</td> <td></td> <td></td> </tr> </tbody> </table>								INITIATOR LOCATION	INITIATOR TAG	STATUS	INITIATOR SERVICE DESCRIPTION	P&ID / DOC N°	NOTE	advice location	advice TAG	advice status	143-1Z-2001 Total Plant ESD	HOLD		ESD	000-1Z-0001		ESD initiated			PCS		ACTIVATE	RESET PUSH BUTTON			FIELD	143-PT-6003A	PAHH	High High Pressure, Rich MEG Filter Pump, 143-U-102-P20	MZ-143-NOV-PR-PID-S08001-01		PCS		ACTIVATE	RESET PUSH BUTTON			FIELD	143-LT-6004A	LAHH	High High Level; Rich MEG filter Feed Tank 143-U-102-TK04	MZ-143-NOV-PR-PID-S08001-01	Note 1.	PCS		ACTIVATE	RESET PUSH BUTTON			FIELD	143-LT-6005A	LALL	Low Low Level, Rich MEG filter Feed Tank 143-U-102-TK04	MZ-143-NOV-PR-PID-S08001-01		PCS		ACTIVATE	RESET PUSH BUTTON			FIELD	143-PT-6003B	PAHH	High High Pressure, Rich MEG Filter Pump, 143-U-102-P21	MZ-143-NOV-PR-PID-S08001-01		PCS		ACTIVATE	RESET PUSH BUTTON			FIELD	143-LT-6004B	LAHH	High High Level, Rich MEG filter Feed Tank 143-U-102-TK05	MZ-143-NOV-PR-PID-S08001-01	Note 1.	PCS		ACTIVATE	RESET PUSH BUTTON			FIELD	143-LT-6005B	LALL	Low Low Level, Rich MEG filter Feed Tank 143-U-102-TK05	MZ-143-NOV-PR-PID-S08001-01		PCS		ACTIVATE	RESET PUSH BUTTON			FIELD	143-LT-6052	LAHH	High High Level, Wash Water Tank 143-U-102-TK06	MZ-143-NOV-PR-PID-S08001-01		PCS		ACTIVATE	RESET PUSH BUTTON			advice location	advice TAG	advice status	HOLD (advice interlock number) Group Reset	HOLD		PCS		ACTIVATE	RESET PUSH BUTTON		
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<p>NOTES</p> <p>1. Pump shutdown is outside DrM scope. Assumed this will be tripped common for train 1 or train 2.</p> <p>GENERAL:</p> <p>1. All interlocks/initiators causing consecutive trips (CASCADING SHUTDOWN) will be developed. 2. Each ESDV/SDV valve can be manually opened only if the initiator status is NOT ACTIVE. 3. FOR EACH INTERLOCK A STATUS "ACTIVATE" GRAPHICAL WARNING WILL BE PROVIDED.</p>																																																																																																																															