

Número de Documento: F03-GNLQ-MAR-MA-000		Página: 1 de 2
		Fecha: 20 – noviembre – 2018
Título: Unloading Agreement		

Terminal: GNL Quintero

Port: Quintero

Date: 13-May-2019

Time of All Fast: 17:54

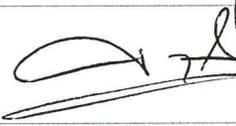
Ship's Name: Murex

The events listed below are to be agreed by the Terminal and the Ship:

1	Steam off main Engines at: <u>17:54</u> . Arms can be brought on board and connected. FWC.
2	Terminal to provide Hot line and telephone, and instructs the Ship in their use.
3	Terminal to provide laptop computer for monitoring mooring line tension and MetOcean displays and instructs the Ship in their use.
4	Vapour arm to be inerted with Nitrogen until less than 2% methane by volume (40% LEL) is achieved. A leak test and Oxygen verification is performed until reaching 1 barg and 1% or less of Oxygen.
5	Liquid arms to be inerted with Nitrogen until less than 2% methane by volume (40% LEL) is achieved. A leak test and Oxygen verification is performed until reaching 5 barg and 1% or less of Oxygen.
6	Opening cargo gauging to be done in accordance with Ships Custody Transfer Manual and calculations to be made as per Terminal Use Agreement. The Terminal will witness the gauging and the Independent Cargo Surveyor and Customs officer will certify the results.
7	Ship's vapour valve may be opened immediately after gauging.
8	ESD warm test to be carried out from both sides. Ship to Shore first and then Shore to Ship.
9	Liquid arms to be cooled-down with 1 stripping pump, approximately between 45minutes and 1 hour in duration. Ship to adjust cool-down line pressure between (1-2) barg at Terminals directions.
10	ESD cold test to be carried out from Ship to Shore only.
11	Ship's cargo unloading pumps to be started at Terminals request. Ship to notify Terminal of each start time and the pump started. <u>7 pumps</u>
12	Vapour return is supplied at approx. <u>-120</u> °C via compressor during Normal Operation.
13	Maximum discharge rate <u>12.000</u> m ³ /h the ship can supply. Requested discharge rate <u>12.000</u> m ³ /h.
14	Ship to notify Terminal the time of full cargo unloading rate.
15	Maximum vapor return flow to ship <u>16.000</u> kg/h.
16	The ship is not allowed to vent natural gas to the atmosphere while alongside, according to the regulation established by the health authority, their changes or new requirements, or by different competent authority.
17	Ship's tanks maximum operational pressure <u>200</u> mbarg. Ship's tanks operational pressure <u>50-70</u> mbarg to be maintained during the discharge.
18	Ship to notify Terminal of cargo on board and unloading rate hourly.
19	Ship to notify Terminal one hour before discharge ramp down commencement.

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20	Terminal and Ship agree procedure to drain/purge/disconnect of all unloading arms during the Post-unloading meeting.
21	Ship to notify Terminal of the time and designation of each pump that is shutdown.
22	Terminal to drain LNG unloading arms and inert with Nitrogen until less than 2 % methane by volume (40% LEL) in a Nitrogen atmosphere is achieved.
23	Closing cargo gauging to be done in accordance with Ships Custody Transfer Manual and calculations to be made as per Terminal Use Agreement. The Terminal will witness the gauging and the Independent Cargo Surveyor and Customs officer will certify the results. After arms are liquid free: <u>Y</u> (Y/N).
23	Terminal to inert Vapour arm with Nitrogen until less than 2 % methane by volume (40% LEL) in a Nitrogen atmosphere is achieved.
24	Terminal to disconnect liquid and vapour arms. Liquid strainers to be visually inspected.
25	Terminal to install blinds on arms and maneuver to stowed position and secure.
27	Terminal to note time of arms clear from Ship's handrails. Ship can start main engine warm-up.
28	Ship to install blinds on its liquid and vapour arms.

Changes agreed between Terminal's and Ship's representatives	
Any agreed changes should not affect the recommended safety standards	
N°	Description
For Ship	For GNLQ Terminal
Name: <i>KORLO MOVIC</i>	Name: Claudio Dagach
Rank: <i>CHIEF OFF</i>	Position: Senior Marine Advisor
Signature: 	Signature: 
Date/Time: 13-May-2019	Date/Time: 13-May-2019 18:40

IMO No. 9705641
MV MUREX
 PORT OF REGISTRY: NASSAU
 BHP: 12,520 kW x 2
 GRT: 113,263

