



PATVIRTINTA
AB „Klaipėdos nafta“ generalinio
direktoriatas 2019 m. lapkričio 27
d. įsakymu Nr. BV-135

Technical Specifications of the Operator

Annex No. 1 to the Regulations for Use of the LNG Reloading Station

1. Reloading Station General Parameters

1.1. Reloading Station Location

Reloading Station is located in Klaipeda port at SC Klaipedos Nafta Oil Terminal. The Reloading Station is very close to the Klaipeda Seaport entrance (berth No. 2). The geographical position of the Reloading Station is at Latitude 55°43'34.986" North and Longitude 21°5'52.486" East.

1.2. Reloading Station Facility and Main Parameters

The main Reloading Station facility consists of:

- 5 LNG storage tanks each 1000 m³ capacity.
- Jetty including two berthing dolphins with all necessary equipment for LNG Loading and LNG Reloading.
- 2 LNG truck loading bays with all necessary equipment for LNG Truck Loading.
- LNG regasification unit for gas delivery to AB "Klaipedos Nafta" boiler house.

Main parameters of LNG storage tanks:

Total capacity of LNG tanks	5,000 m ³
Maximum LNG tanks filling level	86 %
Minimal operational LNG heel level	750 m ³ LNG at 15 % minimal filling level

Main mooring parameters:

Reloading Station jetty length	274 meter
Depth alongside	14.0 meter
Maximum Vessel draught alongside	12.5 meter
Mooring bollards quantity	10
Mooring bollards S.W.L	7 pcs. of 100 t and 3 pcs. of 150 t
Jetty height above the zero water line	2.5 meter
Zero water line deviation	± 0.4 meter
Mooring fenders quantity	9

Main parameters of the LNG Loading and Reloading equipment:

Flexible LNG hoses quantity and diameter	1 pcs of 8" for LNG Loading and Reloading 1 pcs of 6" for LNG Reloading only
Flexible vapor hose quantity and diameter	6"
Flexible hoses flange type	8" – ANSI 150 6" – ANSI 300
Flexible hoses length	8" - 18 meter 6" - 15 meter
Maximum LNG discharge rate to Station	1,250 m ³ LNG per hour via 8" flexible hose
Nominal LNG loading rate to ship when LNG Truck Loading operation is performed simultaneously	250 m ³ LNG per hour
Maximum LNG loading rate to ship	500 m ³ LNG per hour
Ship to shore link	Trelleborg (SeaTechnik). 37 way Pyle electric and 6 way Fibre optic (analogue)
Ship to shore link length	50 m
Emergency release system	Yes

The Reloading Station is equipped with two LNG trucks loading bays at which LNG Truck Loading operations can be performed simultaneously. Main parameters of single LNG truck loading bay:

Maximum LNG Reloading rate to LNG truck	100 m ³ LNG per hour
Quantity of flexible LNG hoses and diameter	1 pcs of 2 ½"
Flexible LNG hoses coupling connection	Manntek 2 ½" Female
Quantity of flexible vapor hoses and diameter	1 pcs of 1 ½"
Flexible vapor hose coupling connection	Manntek 2" Female
Flexible hose length	Each 4 meter

LNG regasification unit consists of ambient air vaporizers, electric trim heater and other equipment necessary to control the flow and temperature of gas delivered to AB "Klaipeda nafta" boiler house. Maximum regasification rate is 7,000 Nm³/h.