

LNG BUNKER CHECKLIST

PORT OF ENERGY IN GOTHENBURG • SHIP TO SHIP

PAGE 1/8

Original: Ship • Copy 1: Bunker vessel • Copy 2: Terminal • Copy 3: Energy Harbour Port Officer

Ship's name	Bunker vessel name
Berth	Port
Date of arrival	Time of arrival
Terminal	

The presence of the letters 'A' , 'R' or 'P' in the column entitled 'Code' indicates the following:

A ('Agreement')

This indicates an agreement or procedure that should be identified in the 'Remarks' column of the Checklist or communicated in some other mutually acceptable form.

R ('Re-check')

This indicates items to be re-checked at appropriate intervals, as agreed between both parties, at periods stated in the declaration.

P ('Permission')

This indicates that permission is to be granted by Energy Harbour Port Officer.

PART A1: CHECKS PRE-ARRIVAL BUNKER OPERATIONS

Check	Ship	Bunker vessel	Energy Harbour Port Officer	Code	Remarks
A1-1. Energy Harbour Port officer have received information about LNG bunker operation.				Р	
A1-2.The terminal has been notified according SSSCL item 12, part 1b.					If Applicable
A1-3. Port Authority's regulations are being observed.					LNG Operation Regulations.
A1-4. The Ship Shore Safety Checklist of the terminal has been filled in correctly.					If applicable.
A1-5.Suitable weather forecast to perform bunker operation.					
A1-6. The ship's class approved bunker plan and operations manual are available.					Procedures for line clearance agreed betwen ship and bunker vessel before disconnection of bunker hose.
A1-7. All certified LNG bunker hoses are in good condition and are appropriate for the service intended.				A	
A1-8.Personnel involved comply with the work and rest hour requirements of ILO180, STCW or national regulations.					As appropriate.



LNG BUNKER CHECKLIST

Ship's name Date

PAGE 2/8

PART A2: CHECKS PRE-ARRIVAL BUNKER OPERATIONS

Check	Ship	Bunker vessel	Energy Harbour Port Officer	Code	Remarks
A2-1. All personnel are aware of operations (ISGOTT ref. 23.5.3, 24.1)					
A2-2. Bunker plan is exchanged (ISGOTT ref. 21.2.3, 21.5, 21.6, 24.1.1)					No other activity is allowed within the safety zone of 25 m.
A2-3. Mooring and fendering arrangement is agreed (ISGOTT ref. 22.3.1, 22.3.2)					No metal to metal contact during mooring.
A2-4. Cargo with flashpoint below 30°C in transit, slop or cargo tanks during cargo handling.					If answer "Yes" part B2 should be filled in and sent by email to the Port officer prior bunkering operation. E-mail: oilharbouroperation@portgot.se
A2-5. Bunker operation to be reported in the Port of Gothenburg bunker application.					Compulsory for all bunker operations inside Port of Gothenburg harbour area.

PART B1: PLANNED SIMULTANEOUS ACTIVITIES

Check	Ship	Bunker vessel	Energy Harbour Port Officer	Code	Remarks
B1-1. The planned simultaneous activities are approved by the ships LNG bunker manual.					
B1-2. Energy Harbour Port Officer have granted simultaneous cargo and bunker operations during the LNG bunkering.				Р	No other activity is allowed within the safety zone of 25 m.
B1-3. Safety procedures and mitigation measures as mentioned in the ship's LNG bunker manual for simultaneous cargo or bunker operations are agreed and being observed by all parties involved.				А	No simultaneous operations are allowed within the hazardous area of the LNG-bunkering station.



LNG BUNKER CHECKLIST

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Ship's name	Date	3/8

PART B2	: Checks at	the plannir	ig stage	for the	receiving	ship, bunkering	during	low
	flashpoint	(below 30°	C) cargo	handl	ing.	N/A		

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Check	Ship	Code	Remarks
B2 -1. Vapour Recovery Unit to be connected to receiving vessel and operational during loading operation.			Not applicable during discharge operation.
B2 -2. Bunker barge operational requirements, stated in its certificate for allowing bunker operations during low flashpoint cargo handling, to be followed.			Copy of the bunker barge certificate will be provided by the Port Officer prior the bunker operation.
B2 -3. Master of receiving vessel to confirm with terminal loadingmaster and receive acceptance for bunker operation.			In agreement with terminal representative acc. to SSSCL Pre-arrival information exchange item 12b. Bunkering cannot take place before acceptance from terminal.
B2 -4. Prior bunker barge mooring alongside, master of receiving vessel must confirm bunkering operation, taut mooring lines and no life boat drill.			No drills are permitted during bunkering operation.
B2-5. Cargo operation on the receiving vessel must be stopped during mooring and unmooring of the bunker barge.			
B2 -6. Ullaging, sampling, connecting and disconnecting hose or MLA is prohibited during Bunkering operation.			COW, tank cleaning and gas freeing is prohibited during bunkering operation.
B2-7 No hazards associated with the planned bunkering operation has been identified.			
B2-8 The above requirements are applied and fully understood.			
B2-9 Bunkering operation may be allowed when all answers above are checked.			

Bunker and cargo operations plan Physical Quantity Unit (PQU)m³MTOther							
	Oil bunker	Cargo	LNG				
Product							
Volume to be transferred				PQU			
Starting rate				m³ per hour			
Max transfer rate				m³ per hour			
Topping of rate				m³ per hour			
Max pressure at manifold				bar			