



Trans Adriatic
Pipeline

Trans Adriatic Pipeline Project

Relazione Finale sulla Verifica di Ottemperanza alle
Prescrizioni A.55
del D.M. n. 223 dell'11.09.2014
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Autorità competente: MiTE
Ente Vigilante: ARPA Puglia

ALLEGATO 18

Procedure Bunkering - Castoro 6, Ivory, Fase 3 "condotta a mare"



Nome: Contrattista

SHELTER Srl

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DISCIPLINE PROCEDURE
BUNKERING AND FUEL TRANSFER

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DISCIPLINE PROCEDURE

BUNKERING AND FUEL TRANSFER

IMO N. 8758603

C6-PRO-MAR-016-E

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ENVIRONMENTAL MANAGEMENT PLAN

PROCEDURES TO AVOID SPILLAGE DURING BUNKERING

Before bunkering the following checks shall be done:

- Check the characteristics of bunker certified by a recognised laboratory and compare with the procurement specification.
 - Establish a direct connection with the bunkering tanker/terminal, so that order of start and stop have immediate execution. Furthermore fix a reasonable loading pressure not to be over-passed during bunkering.
 - Verify that the overflow tanks are full.
 - Check the high level alarms of overflow tanks.
 - Check the overflow alarm by simulation.
 - Check that the level sensors and high level alarms of the fuel tanks to be filled are correctly working. Set up the mobile alarm of level indicator to a % of filling lower than the high level.
 - Check that the air vents are free and that relative spillage drip pans are empty.
 - Check the status of shut-off and filling valves, to fill directly storage and settling tanks.
 - The overflow tank for MDO (cargo + ship use) is dimensioned for 10 minutes of filling; therefore the maximum loading rate of MDO is approx 200 m³/h.
 - Communicate this value to the bunkering tanker/terminal and check the increase of levels in the tanks and corresponding volume to anticipate the time of filling up.
 - Check the pressure during loading to detect eventual anomalies.
 - Take a sample of each grade of fuel in presence of the supplier representative.
 - Check which tank will be filled first and throttle the filling valve to the tanks in the way that one tank at a time is filled up.
 - When the mobile alarm of the level indicator is appearing, reduce the flow to the tank by throttling the filling valve of relative tank.
- Close completely the filling valve when the high level alarm on the separate switch occurs.
- The filling up shall be done one at a time to avoid mistakes.
- After all tanks are filled up, transfer the fuel to the day tanks; if overflow tanks have been filled, they have to be emptied first.
 - Finally update the "Oil Record Book" with the final volume of fuel tank by tank and corresponding certificate ID number for each grade.

APPENDIX: EMERGENCY INSTRUCTIONS

In case of spillage on Main Deck during bunkering, immediate actions shall be:

- Give order of stop of pumping and closure of bunkering main valve on each side.
- Avoid/reduce any spillage into the sea. If spillage occurs, use immediately containment booms to limit the area.

Follow the procedures of SOPE Plan.