

## **MV "xxx"**

Loading Nickel Ore at xxx  
ETA on xxx

### **Instructions to surveyors**

The following sets out the minimum information which is required as a record of the loading operation and the condition of the cargo when it is delivered alongside the vessel. It is to be an 'aide memoire' and attending surveyors should not hesitate to provide any additional comments, photographs or other documentation which they consider may be relevant.

#### **A. Actions during loading and daily reporting**

1. Visual inspection of the cargo in each barge on arrival, whether it appears to be acceptable, and, when necessary, estimating the amount of any visually wet material.
2. Carry out a grab test on the cargo on the barge, and similarly a grab test when cargo is first taken from a barge and into the cargo hold of the vessel.
3. Carry out can tests of cargo samples taken from five different locations at 30cm below the surface on the barge when it arrives, and on any other parts of the cargo which may look wet.
4. If the cargo is found wet, then cargo of entire barge shall be rejected.
5. A daily report shall be prepared, and describe the following:
  - ✓ daily cargo operation with name of barges
  - ✓ condition of the cargo by visual inspection for each barge
  - ✓ results of can test for the cargo on each barge
  - ✓ photographs of can tests of each barge
  - ✓ estimates of the amount of any cargo which has been rejected for being wet
  - ✓ Quantity of cargo loaded and balance of the cargo to be loaded
  - ✓ Weather and sea conditions, etc.
6. A daily report shall be sent to the owner with a copy to Skuld.

#### **B. Photographs to take:**

7. Barges arriving at and leaving the vessel
8. Overall pictures of the cargo in the barge on arrival

9. Close-ups showing general condition of cargo
10. Close-ups showing any wet cargo or exceptional cargo
11. Close-ups showing the arrival grab test on the barge
12. Close-ups of 'before and after' the can test (five for each barge)
13. Pictures of the grab test to the cargo hold
14. Completion of loading from each barge in the cargo hold
15. Completion of loading each cargo hold
16. Completion of trimming of the cargo in each cargo hold

Please ensure that photographs are clear, and taken with good illumination. Include a steel tape measure or familiar object such as a pen when necessary to give perspective. Add captions.

**C. Please record/copy the following:**

17. A detailed time log showing all relevant times, including but not limited to: times of arrival/departure and discharging of barges, and the cargo holds to which they were discharged
18. The names of all barges
19. The quantities of cargo delivered on each barge
20. The condition of the tarpaulins used to cover the cargo
21. The times of opening and closing of all cargo hatch covers
22. Weather records including all periods of rain, and a description as to how heavy the rain is.
23. The names of all personnel attending the vessel, especially representatives of the mine or loading facility, and a record of any instructions, complaints or protests given to the vessel
24. When ship's officers inspect the cargo and carry out can tests and results obtained
25. The opinion of ship's crew /officers about the cargo and whenever they do not agree with your assessment of cargo condition
26. Record any occasions on which your advice as to acceptability of cargo is dismissed or ignored by anyone
27. Record any attempts at cargo drying
28. A copy of any protests issued by the Master to other parties
29. The ship's loading plan and any deviation from it

30. A copy of the ship's stability calculation on completion of loading
31. Copies of all cargo certificates given to the vessel; moisture content, FMP/TML, and accompanying shipper's declarations
32. Copies of the Master/Chief Officer's instructions to the officers and crew about the handling and rejection of wet cargo

