

**[Regarding Safety Measures for Large-scale Ships]**

**New Rules for Abashiri Port**

March 26, 2015 Abashiri Port Ship Navigation Safety Measure Conference

Applicable Wharves	Wharf #4, Pier #1 & Pier #2 Water depth -10.0m	Remarks
Applicable Ships	116,000 GT or Smaller Class Passenger Ships	
Channel	Adjust the draft to 9.0m or less. Tugboat support is required for ships of channel width 0.5L or larger but less than 1.0L. When ships of channel width 0.5L or larger but less than 1.0L enter port, coordination is required to manage passing other vessels and/or interference with other vessels.	Always maintain 10% keel clearance. Target ship (The Diamond Princess) Maximum draft 8.57m $\times 1.1 = 9.43\text{m}$ Total Length: 288.33m. Channel Width 0.5L (144.2m). Channel Width is 190m divided by Total Length of 288.33m = 0.65L
Draft	9.0m or less	Always secure keel clearance of 10%.
Pilot	Required	
Tugboats	Deploy one or more tugboats. 3,000HP class	
Night Port Arrivals	Not Allowed	
Night Anchorage	OK	
Night Port Departures	OK (A forward patrol boat must lead and take necessary measures.)	As a general rule, port arrival and departure times are from sunrise to sunset.
Wind Speed During Port Arrivals and Departures	The mean wind speed at time of port arrival and departure shall be 10m/sec or less.	
Ocean waves	When the port ocean waves reach about 1m or more, suspension of port arrival and departure shall be considered	The wave height of 1.5m or less out of the port
Visibility Distance	Visibility must be 1,000m or greater, with clear visibility of the vicinity between the anchorage and breakwaters	
Berthing Velocity	6cm/s or less (after first coming to a stop before the pier)	
Mooring	Strong wind measures must be taken when it is expected that, during the time moored, wind speeds will exceed the standard speeds for port arrival and departure. Mooring must be carried out by using mooring lines as well as mooring posts.	
Mooring Wind Speed Limit	14.3m/sec	Head out port side.

[Safety Measures for Mooring, etc.]

### **Measures for Passing and Avoiding Interference**

Estimated time of entrance and exit of ships which enter or leave Abashiri Port must be coordinated with the relevant authorities.

### **Strong Wind Measures**

Obtain the latest weather information. Take the following safety measures when the wind is expected to exceed the standard speeds for port arrival and departure. If the situation warrants, harbor out of the port.

- ① Increase the mooring cables.
- ② Prepare a side thruster and use it accordingly.
- ③ If necessary, deploy tugboats to push the vessel to pier.

### **Measures at the Time of Construction**

When a large-sized passenger ship arrives or departs at Abashiri Port during a construction period, move the work boats, take measures such as temporarily removing buoys from the worksite, and secure navigable water to the greatest extent possible.

### **Measures in Case of Abnormal Weather, Earthquake, Typhoon and Tidal Wave**

When abnormal weather such as typhoons or tidal waves are expected, follow the guidance of "The Sea of Okhotsk Coast Earthquake, Tidal Wave and Typhoon Safety Association".

In addition, at the judgment of their captains, the applicable ships shall dock out and seek harborage, well in advance of expected hazardous weather.

**Notification of the Port Entrance and Leaving Path**

The applicable ship will enter Abashiri Port with a pilot of the Kushiro Pilot Society on board. Port arrival and departure routes shall be as described on the attached figure.

In addition, applicable ships entering Abashiri Port shall be notified of the locations of demarcated scallop growing areas, fixed shore salmon nets, etc.

Dissemination of this information shall be carried out by ship agencies.

**Pilot Embarkation Position**

The pilot embarkation position shall be north of the demarcated scallop intermediate growing area.

(Detailed times and locations shall be coordinated with the Kushiro Pilot Society.) Refer to the attached figure.

**Notification of Agreed Matters**

For safe and efficient operation, the matters decided at this Safety Measure Conference shall be notified to shipping companies and the relevant ships, and shall be strictly observed.