



Victoria Government Gazette

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Port Management Act 1995

NOTICE OF PROPOSAL TO REVOKE AND MAKE A TOWAGE REQUIREMENTS DETERMINATION

Under section 73C of the **Port Management Act 1995**, the Port of Melbourne Corporation hereby gives notice of a proposal to:

- (a) revoke the towage requirements determination published in the Government Gazette on 12 January 2012 (Government Gazette G2, 12 January 2012); and
- (b) make a new towage requirements determination under section 73B of the **Port Management Act 1995**.

The proposed form and content of the new determination are set out below.

Under section 73D of the **Port Management Act 1995**, any person who is likely to be affected by the proposed determination may make a written submission to the Port of Melbourne Corporation about the determination.

Submissions must be made within one month from the date of publication of this notice and must be delivered or posted to the Port of Melbourne Corporation at its office at Level 4, 530 Collins Street, Melbourne, Victoria 3000. Submissions should be marked to the attention of Glenn Santos, Marine Manager, Planning and Projects.

PROPOSED FORM AND CONTENT OF TOWAGE REQUIREMENTS DETERMINATION

Port Management Act 1995

REVOCATION AND MAKING OF TOWAGE REQUIREMENTS DETERMINATION

Division 2 of Part 4A of the **Port Management Act 1995**

Port of Melbourne

Under section 73B of the **Port Management Act 1995**, the Port of Melbourne Corporation:

- (a) revokes the towage requirements determination published in the Government Gazette G2 12 January 2012 ('old towage requirements determination'); and
- (b) makes a new towage requirements determination, which is set out below ('new towage requirements determination').

The revocation of the old towage requirements determination and making of the new towage requirements determination will come into effect on the commencement of the determination period set out below.

NEW TOWAGE REQUIREMENTS DETERMINATION

Determination Period

The provisions of this towage requirements determination operate from [TBC] until [TBC – 10 years after commencement] ('the determination period').

Definitions

In this towage requirements determination:

- (a) **fire fighting 1 standard** means that the towage vessel is entered within a fire fighting vessel class recognised by IACS including (but not limited to) a class described as 'FiFi 1', fire fighting 1', 'fire fighter 1', 'FF1' or similar;
- (b) **fire fighting towage vessel** means a tier 1 or tier 2 towage vessel having the minimum fire fighting capability specified under the Minimum Requirements section of this towage requirements determination;
- (c) **IACS** means International Association of Classification Societies Ltd, registered Office 36 Broadway, London SW1H 0BH;

SPECIAL

- (d) **tier 1 towage vessel** means a towage vessel that has a minimum certified bollard pull of (within a range of 5%) 65 tonnes;
- (e) **tier 2 towage vessel** means a towage vessel that has a certified bollard pull of 43 tonnes or more other than a tier 1 towage vessel;
- (f) **tier 3 towage vessel** means a towage vessel with a certified bollard pull of 5 tonnes or more and less than 43 tonnes;
- (g) **towage service** has the meaning given to that term in section 73A of the **Port Management Act 1995**; and
- (h) **towage vessel** has the meaning given to that term in section 73A of the **Port Management Act 1995**.

Minimum Number and Capacity of Towage Vessels

- (1) The minimum aggregate number of towage vessels required to be provided by notified towage service providers during the determination period and the minimum capacity of those towage vessels are:
 - (a) two tier 1 towage vessels;
 - (b) two tier 2 towage vessels (reduced to one, where three tier 1 towage vessels are provided); and
 - (c) one tier 3 towage vessel.
- (2) Of the minimum number of tier 1 and tier 2 towage vessels, a minimum of two must be fire fighting towage vessels.

Minimum Requirements for Towage Vessels

The minimum requirements necessary for towage vessels to be fit to provide the service for the purpose of section 73B(1)(d) of the **Port Management Act 1995** are:

General

- (a) Tier 1 towage vessels must be less than 30 m in length, be low profile, have azimuth stern drive or equivalent and be fitted with an Automatic Identification System;
- (b) Tier 2 towage vessels must be less than 35 m in length, have azimuth stern drive or equivalent and be fitted with an Automatic Identification System;
- (c) All towage vessels must be fit for purpose, must be kept and maintained in good working order at all times, must be provided with crews with adequate competency and training and must comply with all applicable legislative requirements including, but not limited to, those requirements imposed by or under the **Marine Safety Act 2010** (Vic.) and the **Marine (Domestic Commercial Vessel National Law Application) Act 2013** (Vic.).

Fire fighting capability

A fire fighting towage vessel must, as a minimum either –

- (a) Comply with the requirements contained in Appendix A excluding the height of primary monitor contained in Table B2 – Minimum Equipment for Class ‘A’ FFS Ships; or
- (b) be of a fire fighting 1 standard; and
 - i. be fitted with one remote controlled foam monitor, which may take the place of one of the monitors required under the relevant fire fighting 1 standard applicable to that vessel; and
 - ii. be fitted with a foam tank of 9 m³ capacity to supply a 3% minimum foam mixture.

Availability Required for Towage Vessels

During the determination period –

- (a) tier 1 towage vessels and tier 2 towage vessels must be available for the provision of towage services to vessels of 5000 gross tonnes or over;
- (b) tier 3 towage vessels must be available for the provision of towage services to vessels of under 5000 gross tonnes;
- (c) fire fighting towage vessels must be available for the provision of towage services (including emergency response) 24 hours per day on all days of the year; and
- (d) tier 1 towage vessels and tier 2 towage vessels (other than fire fighting towage vessels) must be available for the provision of towage services, subject to a 2 hour notice period, following a request by the Harbour Master of the Port of Melbourne that any such services be provided.

APPENDIX A**B1 NUMBER AND CLASSES OF SHIPS**

The recommended minimum number and classes of firefighting support ships (FFS Ships) are given in Table B1.

NOTE: This may be varied by risk assessment.

Where two Class A FFS Ships are specified, only one ship needs to carry the required amount of foam concentrate, provided that one ship can meet the foam application rate required in Table G2. A contingency plan should be in place to ensure that there is one Class 'A' FFS Ship with foam concentrate available at all times.

B2 OPERATIONS

The following requirements apply to FFS Ship operations.

- (a) Minimum response times should be set out in the emergency plan.
NOTE: Reference should be made to the provisions for combating tanker fires in Paragraphs G3.2 and G4.3 of Appendix G.
- (b) The minimum equipment for Class A and Class B FFS ships is set out in Tables B2 and B3 respectively.
- (c) Firefighting equipment on FFS Ships may be either portable or permanently installed.
- (d) The FFS Ship's Master is responsible for the safety of the ship and its personnel.
- (e) A fire brigade officer should be placed on board the FFS ship to take charge.
- (f) A dedicated communication system should be provided between the FFS Ship and the fire service.
- (g) All personnel likely to be engaged on FFS Ships should receive adequate training.
- (h) All FFS Ships should be involved in –
- (i) a monthly training and maintenance programme; and
 - (ii) an annual major port emergency exercise.
- NOTE: The local port authority is usually responsible for the annual major port emergency exercise.
- (i) FFS Ships and their fixed and portable firefighting equipment should be inspected and maintained as required by the appropriate authority.

**TABLE B1
MINIMUM NUMBER AND CLASS OF FFS SHIPS**

Tanker size 1000 DW	Number and Class of FFS ship		
	Occupancy of berths hours/year		
	<1000	≥1000 ≤3000	>3000
≤10	1 Class B	1 Class B	1 Class B
>10 ≤40	1 Class B	1 Class A	2 Class A
>40	1 Class A	1 Class A	2 Class A

TABLE B2
MINIMUM EQUIPMENT FOR CLASS 'A' FFS SHIPS

Equipment item	Requirement
Primary monitor	<p>A marine foam monitor capable of discharging foam solution or water, in accordance with Table G1, for the largest tanker that may visit the port.</p> <p>The minimum range of a monitor of this capacity for foam solution is 80 m.</p> <p>The monitor should be capable of vertical and horizontal movement and be able to be depressed 30° below the horizontal. It may be manual, electrical or hydraulic in operation.</p> <p>The monitor should be served by a dedicated pump and electric or diesel drive of matched capacity.</p>
Height of primary monitor	The vertical pivot point of the monitor should be located at a minimum height of 17 m above the water.
Secondary monitor	<p>A controlled marine water/foam monitor capable of delivering 37.5 L/s of water at a minimum range of 60 m and a foam solution application rate of 20.8 L/s at a minimum range of 50 m.</p> <p>The monitor should be served by a pump of suitable power capacity.</p> <p>The monitor should be geared for both horizontal and vertical movement and capable of being depressed 30° below horizontal.</p>
Height of secondary monitor	Should be placed in a suitable location.
Fog nozzle	A variable pattern fog nozzle of adequate capacity to fit the monitor.
Fire branches and nozzle	Two hand-held water branches with a variable fog pattern/jet combination with a capacity of at least 6.7 L/s.
Foam branches	Two hand-held foam branches with a capacity of at least 8.3 L/s each.
Fire hydrants	Six hydrants, each complete with 63 mm outlet, capable of delivering foam or water. Outlets to be compatible with the local fire authority.
Fire hoses	Six 15 m lengths and six 30 m lengths of 63 mm diameter hose. Hoses should be synthetic, non-percolating and resistant to oil and chemicals. Each length to be fitted with couplings compatible with the local fire service.
Shore connection	One international shore connection.
Self defence spray system	The FFS Ship should have a fixed water spray system which is capable of delivering a spray of water over all the exposed external vertical surfaces of the hull, superstructure, deckhouses and monitor positions. Minimum rate of application is 0.17 L/sm ² .
Foam concentrate system	To be suitable for use with salt water, complying with a recognized standard, capable of extinguishing a flammable liquids fire including polar solvents (where applicable).

Equipment item	Requirement
Foam concentrate quantity	Minimum quantity in accordance with Table G1 for the largest tanker that could be expected to visit the port. Minimum duration 60 minutes.
Fire axe	One fire axe, suitably located.
Gas axe	Oxy-acetylene cutting set with appropriate cutting heads.
Bolt/wire cutters	One
Breathing apparatus	Two self-contained open circuit positive pressure breathing apparatus and two spare cylinders, compatible with the type used by the local fire service.
Protective clothing	A supply of suitable protective clothing for above deck personnel. Clothing should be designed so that the wearers are clearly visible during day and night operations.
Resuscitation equipment	One manually operated open air type resuscitation unit.
Public address system	A fixed system capable of internal and external communication.
Boarding ladder	One aluminium ladder extending to a minimum of 7 m.
Searchlights	Two searchlights of adequate size and power to facilitate the effective deployment of foam/water solution at night. Lights capable of being adjusted in both horizontal and vertical directions.

TABLE B3
MINIMUM EQUIPMENT FOR CLASS 'B' FFS SHIPS

Equipment item	Requirement
Monitor	A manually controlled marine water/foam monitor capable of delivering 41.7 L/s water at a minimum range of 60 m and also capable of producing 41.7 L/s foam solution at a minimum range of 50 m. The monitor should be served by a pump and electric or diesel drive of matched capacity. The monitor to be geared for both horizontal and vertical movement, capable of depression 30° below horizontal.
Fog nozzle monitor	A variable pattern fog/jet combination nozzle of adequate capacity to fit the monitor.
Fire hydrants	Two fire hydrants, each with a 63 mm outlet, each capable of delivering foam and water. Outlets to be compatible with the local fire authority.
Fire branches and nozzles	Two hand-held water branches with a variable fog pattern/jet combination with a capacity of at least 6.7 L/s.
Fog nozzle	A variable pattern fog nozzle of adequate capacity to fit the monitor.
Fire hoses	Six 15 m lengths of 63 mm diameter hose. Hoses should be synthetic, non-percolating, and resistant to oil and chemicals. Each length to be fitted with couplings compatible with the local fire authority.
Foam branches	Two hand-held foam branches with a capacity of 8.3 L/s.
Foam concentrate system	To be suitable for use with salt water, complying with a recognized standard, capable of extinguishing a flammable liquids fire, including polar solvents (where applicable).
Foam concentrate quantity	Minimum quantity in accordance with Table G1 for the largest tanker expected to visit the port. Minimum duration 30 minutes.
Protective clothing	A supply of suitable protective clothing for above deck personnel. Clothing should be designed so that the wearers are clearly visible during day and night operations.

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