

Minimum Tug/Environmental Requirements For PortMiami

In order to protect the safety of the environment, to ensure the uninterrupted flow of commerce, and to preserve the economic return on the citizens' investment in the infrastructure of PortMiami, the following Tug/Environmental Requirements shall apply.

By significantly easing the wind, current, and daylight restrictions previously in place, these requirements substantially increase the operational window for post panamax ships over previous requirements and include a progression whereby vessels may safely call on PortMiami at the deepest drafts as soon as additional assist tug assets are available.

As the Biscayne Bay Pilots prove experientially that PortMiami is Big Ship Ready, these requirements will be eased to the greatest extent possible keeping safety as the foremost concern.

- 1.) *Vessels recognized as having superior handling characteristics may be exempted from certain requirements or restrictions at the individual pilot's discretion. Conversely, new classes of vessels, those deemed to have below average handling characteristics, those with nonfunctioning equipment, or those operating in any condition where the pilot requires additional safety margin may have additional requirements/restrictions imposed at the individual pilot's discretion.*
- 2.) All ships exceeding 800 feet in length require 2 (65T/50T) tractor tugs.
- 3.) All post-panamax ships require 3 (65T/65T/50T) tractor tugs inbound or when turning and may maneuver **day or night** in **wind up to 20 knots** with an **inbound flood current of up to 1.0 knot**.
- 4.) All ships that exceed 12.0M draft up to a maximum of **13.0M** require 3 (80T/65T/65T) tractor tugs and may maneuver **day or night** in **wind up to 20 knots** with an **inbound flood current of up to 1.0 knot**.
- 5.) All ships that exceed 13.0M draft up to a maximum of **14.0M** require 3 (80T/80T/65T) tractor tugs and may maneuver **day or night** in **wind up to 20 knots** with an **inbound flood current of up to 1.0 knot**.
- 6.) To achieve greater safety margins for all ships, the most powerful/capable tugs available may be used preferentially.

Until a class of post-panamax vessel has been specifically approved to maneuver outside of these Environmental Restrictions:

- 1.) Ships may maneuver in daylight only
- 2.) Ships may arrive during ebb current only
- 3.) Ships may depart during flood current of 1.0 knot or less
- 4.) Wind may not exceed 15 knots