

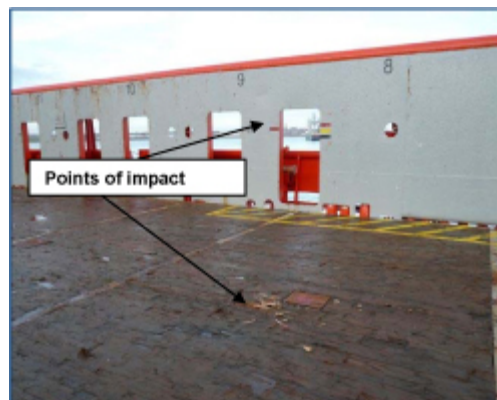
Marine Safety Forum – Safety Flash 08-10

Issued: 17th February 2008

Subject: **Bollard Incident**

While alongside Peterhead South base, a vessel deployed an extra line due to concerns over swell. The breast line was rigged in the form of a 2-fold purchase going from ship to quay twice. This gave the rope a resultant breaking strain of 4 to 1.

The shortness of the line allowed no elasticity and as a shock load came onto the line due to the vessel rolling, the bollard casting split in half catapulting the horn section over the barrier onto the main deck. The impact on the deck broke two deck timbers. It then bounced and hit the offside safe haven bulkhead and finally came to rest a further 10-15 metres down the deck. During this time, there was a member of the vessel's crew standing on the deck.



Hazards Identified:

- High potential for serious injury/fatality
- Damage to equipment

Actions Taken:

- Risk assess the weak link in systems (by doubling up the line, the bollard became the weak link)
- Carefully assess mooring systems, in particular the deployment of breast lines on short nips
- Vessel crew to ensure that the vessel is moored safely and continuous checks carried out