

**PBL-2008-DEC-29-SNH**

**FRIDAY 12<sup>th</sup> Dec 2008**

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### 7-Day Forecast Graph: BP - UK Block 204 (Schiehallion/ Foinaven Fields) W of Shetland

Issued At: Fri Dec 12 02:05 GMT

Forecaster: M.P. Verhoef

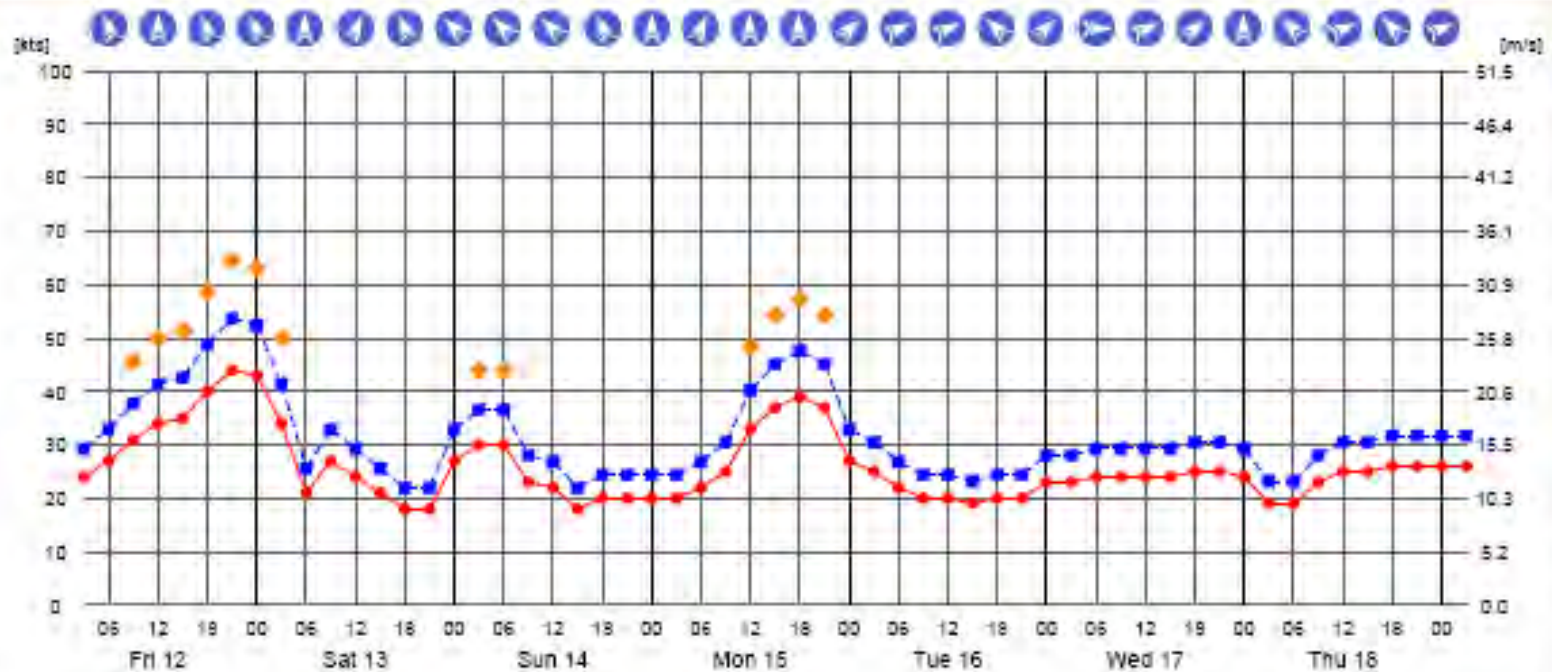
Confidence: High, becoming low on late Friday

Warnings: Risk gusts rising above 60kts at 50m level later on Friday



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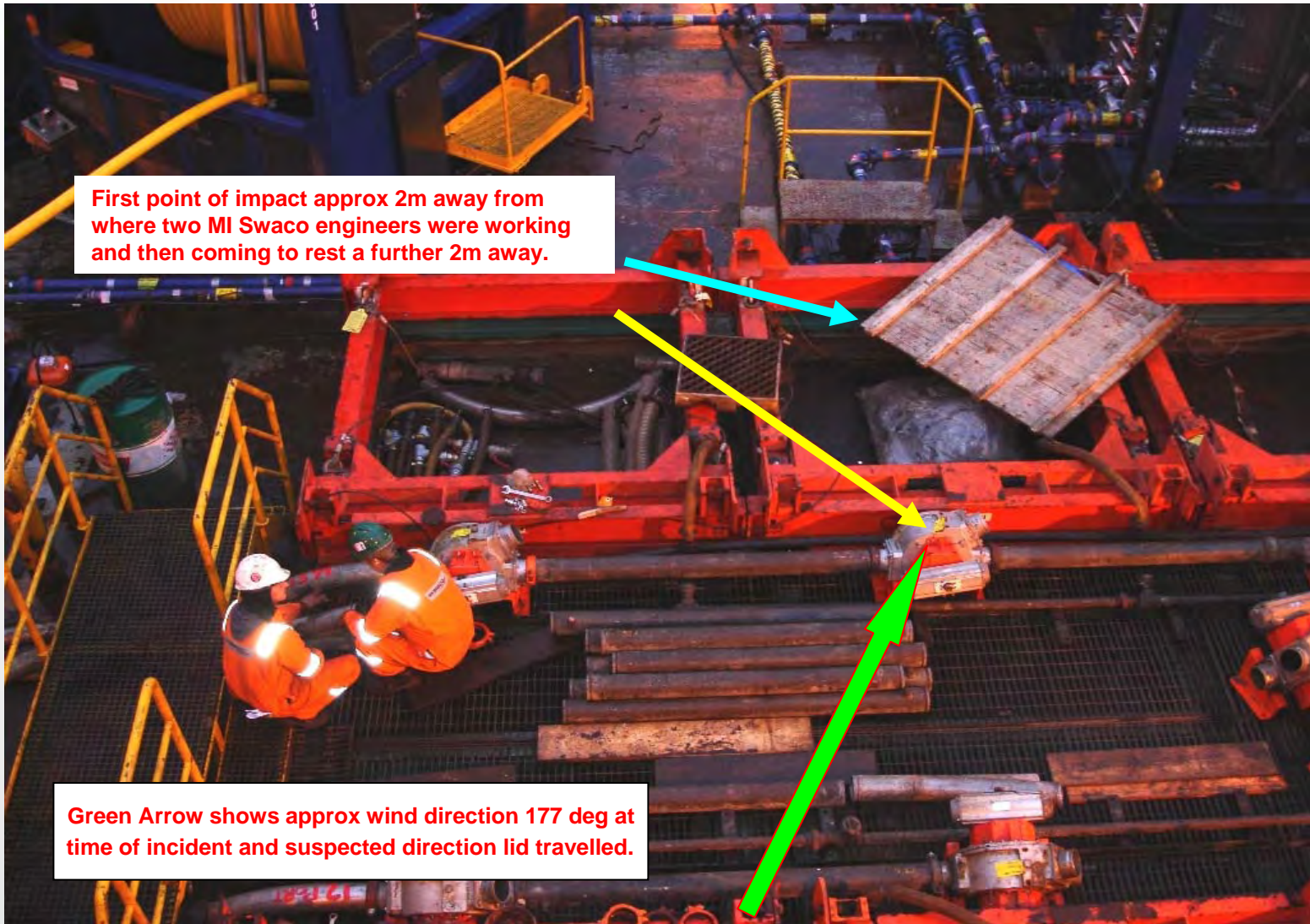
### Wind Graphs





**End elevation of crate with lid in place**





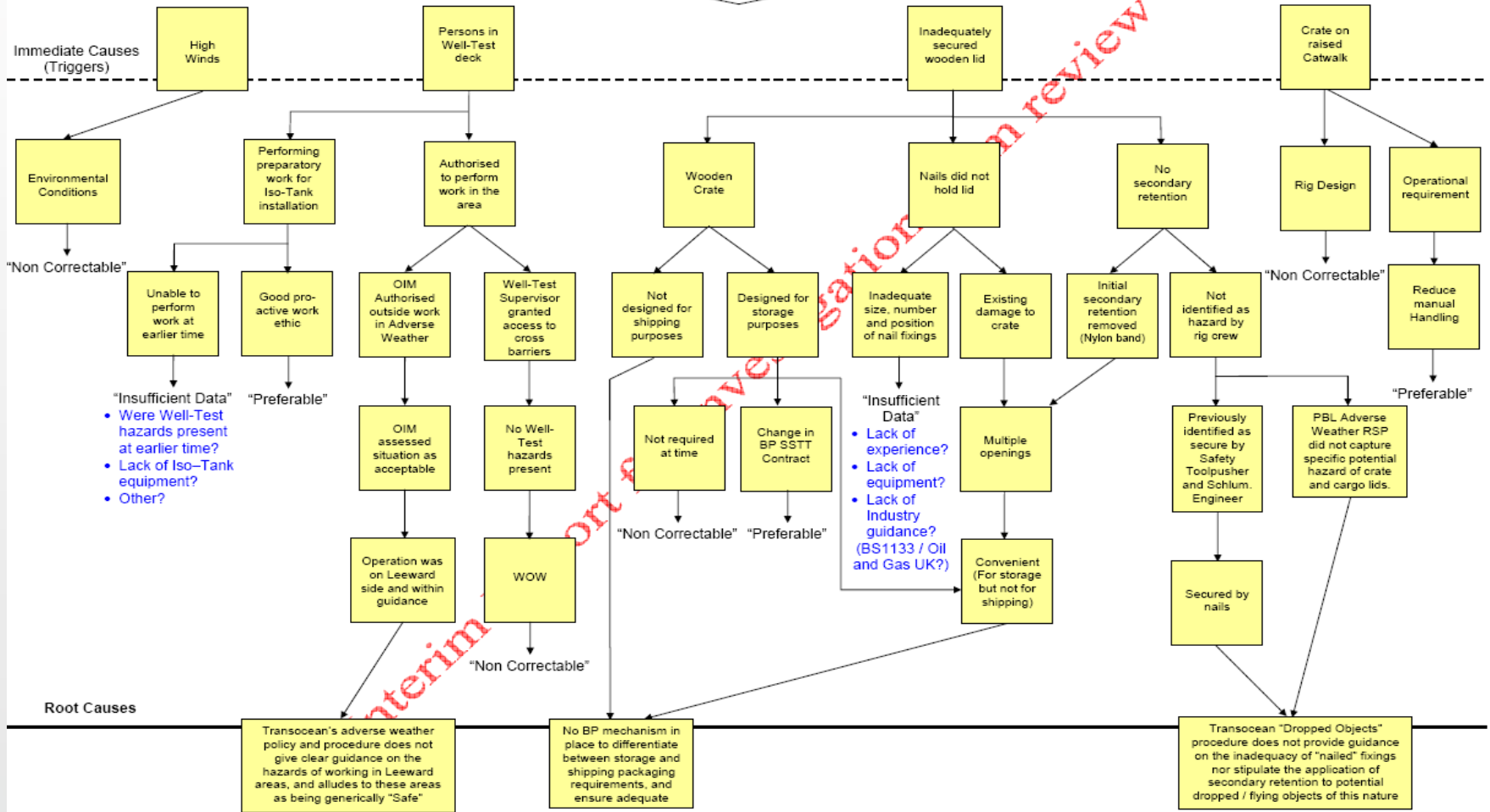
First point of impact approx 2m away from where two MI Swaco engineers were working and then coming to rest a further 2m away.

Green Arrow shows approx wind direction 177 deg at time of incident and suspected direction lid travelled.

**What happened?**  
 Wooden crate lid weighing 37Kg was blown from raised catwalk to Well-Test deck 6.7M below

**What were the consequences?**  
 Serious Near Hit / HIPO  
 Potential fatality or multiple serious injuries

Why?



	<b>HSE ALERT</b>	Number	NSM-HSE-AL-003
		Prepared / reviewed:	A Leslie / K Murdoch
		Approved By:	K Knott
		Issue Date	January 26 <sup>th</sup> , 2009

### WOODEN CRATES IN AN OFFSHORE ENVIRONMENT

**What Happened? The Changes:**

A recent incident occurred on one of our units whereby a wooden crate lid was dislodged from the main body of the crate by high winds. The crate lid, weighing 37Kg, fell 6.5m to the deck below, where two nearby service partner employees were working.



**Observations Noted During the Investigation – Conditions / Inactions:**

- The wooden crate lid had been checked for security just hours before being dislodged.
- The crate lid was secured by nails, which had failed to fully penetrate the crate side panels.
- In general there was poor understanding of the necessary lifting practices required for lifting wooden crates slung directly to the crane.
- The control of personnel working in sheltered (leeward side) open areas during periods of high winds had not been fully assessed for potential dropped objects / flying debris.
- Several wooden crates used for the storage of spare parts outside, were no longer deemed suitable for continued storage or lifting without further security.
- Wooden crates were being deployed for the shipment of well equipment to and from the rig.

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REV 00   OCTOBER 31, 2007	FORM NO.   H2S-CMS-PR-01-FM16

## **What Should We Do Now? – Corrective Opportunities:**

### **Rig Manager and OIM to ensure immediate Corrective Actions to verify:**

Check the security of all wooden crates and their lids prior to any periods of high winds; ensure nails are not used as the sole securing device through the addition of straps or banding.

Ensure there is a lift plan in place for the lifting of all wooden crates directly by the crane, and ensure recommended rigging practices for this type of lift are employed.

(Avoid this type of lift if at all possible)

Prior to authorizing work outside during periods of adverse weather, assess the likelihood of potential “flying debris” and dropped objects in sheltered (leeward side) open areas.

Review the long term storage of spare parts in wooden crates that are exposed to the elements. Ensure crates are adequately secured or moved to internal storage areas.

Avoid back loading equipment / spare parts in pre-used wooden crates. Crates should preferably be single use only.

**Rig Specific Corrective Action Plans to be developed, tracked and closed in the FOCUS or by IRR. All actions to be completed by March 1st, 2009.**