Helideck Lighting Trials on Centrica CPC-1

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Background

- Objective to evaluate first production version of circle and H lighting prior to finalisation and publication of specification.
- Only Zone 2 certificated system available – to be changed out for a Zone 1 system when available.
- System installed by bonding steel interface plates to helideck; lighting panels then bolted to steel plates using studs and nuts to facilitate change-out.
- System finally installed on Centrica CPC-1 late October after about a year of delays for various reasons.
- Significant problems immediately followed installation.

Problems Encountered (1)

1. Plate disbonding from deck:

- Considered to be due to corrosion of mounting plates.
- Plate manufacturer (Orga) and platform (Centrica) agreed carbon steel plates.
- System installer (AGI) thought plates were stainless steel.
- No treatment of plates (e.g. painting) specified in method statement.

Interface plate disbonding

Problems Encountered (2)

2. Water pooling inside circle:

- Due to insufficient drainage.
- Not mentioned in specification – will be added.
- Had not occurred with any of the earlier trials systems.

3. Slip hazard of wet panel:

- Specification requires min mu value of 0.65 for all non-illuminated panel surfaces.
- Problem is lit surfaces of panels – not practical to address.
- Not a major issue?

Way Forward

Awaiting feedback from 07 November inspection but:

- **Will need to remove, replace or refurbish interface plates and address water pooling and slip hazard as appropriate.**
- **Will need to review and amend method statement as required and then refit system.**
- **Not possible to connect system and perform CAA evaluation prior to removal.**
- **Propose to proceed with publication of specification in CAP 437 – changes possible up to end February 2012.**
- **Information provided to BP who are presently reviewing panel attachment methods for installation on Miller platform.**