

Human factors: HSE issues major accident warning to offshore firms

Britain's offshore oil and gas installations are held to high regulatory standards, but human error can still lead to a major incident.

That's the message from the Health and Safety Executive (HSE), who are urging offshore companies to take a closer look at what's widely known in the sector as human factors.

HSE inspects human factors on offshore installations, with a particular focus on safety critical tasks.

Safety critical tasks have the potential to initiate or escalate a major accident on an installation.

HSE recently issued oil firm Apache with an enforcement notice after inspectors formed the opinion that the company failed to fully consider human factors as part of its plans to prevent a fire and explosion on its Forties Delta platform in the North Sea.

Mary Marshall, a principal specialist inspector at HSE, says it is necessary offshore firms like Apache identify safety critical tasks carried out on their offshore installations.

Mary said: "Offshore companies need to understand and evaluate where and how these safety critical tasks might be vulnerable to human error. Safety Critical Task Analysis (SCTA) is an established, structured process that will help companies demonstrate that these tasks can be carried out safely, reliably and that the risks are managed to as low as reasonably practicable. This will include consideration of the design of the equipment, details of the tasks and the factors which support task performance."

HSE has noted a number of offshore firms have launched SCTA programmes with varying degrees of success.

Common failings that HSE has identified with these SCTA programmes include a lack of sustained commitment and progress with the work, and inconsistencies in the quality of assessments.

HSE's inspection of its Forties Delta platform found the company had failed to take appropriate measures to prevent the uncontrolled release of flammable or explosive substances during main oil line pig launcher operations.

Apache currently has until 9 November to comply with the Improvement Notice. It has not appealed against the notice.

Notes to editors:

1. [The Health and Safety Executive](#) (HSE) is Britain's national regulator for workplace health and safety. We prevent work-related death, injury and ill health through regulatory actions that range from influencing behaviours across whole industry sectors through to targeted interventions on individual businesses. These activities are supported by globally recognised scientific expertise.
2. Further details on the latest [HSE news releases](#) is available.
3. The HSE Improvement Notice issued to Apache can be found here: [Notices served – Enforcement notices public \(hse.gov.uk\)](#)
4. Guidance for offshore companies on what to expect from a HSE inspection can be found here: [The Offshore Management of Human Factors Inspection Guide \(hse.gov.uk\)](#)