



BP Subsea Standardization HAZID Workshop

Services Performed

IRC conducted a Hazard Identification (HAZID) study to identify potential hazards and hazardous events associated with the design of subsea tiebacks (SSTBs) to floating facilities in the Gulf of Mexico.

Objectives

- Identify hazards to host facilities due to SSTB design, and evaluate potential consequences should the hazards be realized
- Establish safeguards to manage hazards; identify areas where further understanding of safeguard effectiveness is needed
- Make recommendations to reduce the likelihood of hazard occurrence or mitigate the potential consequences

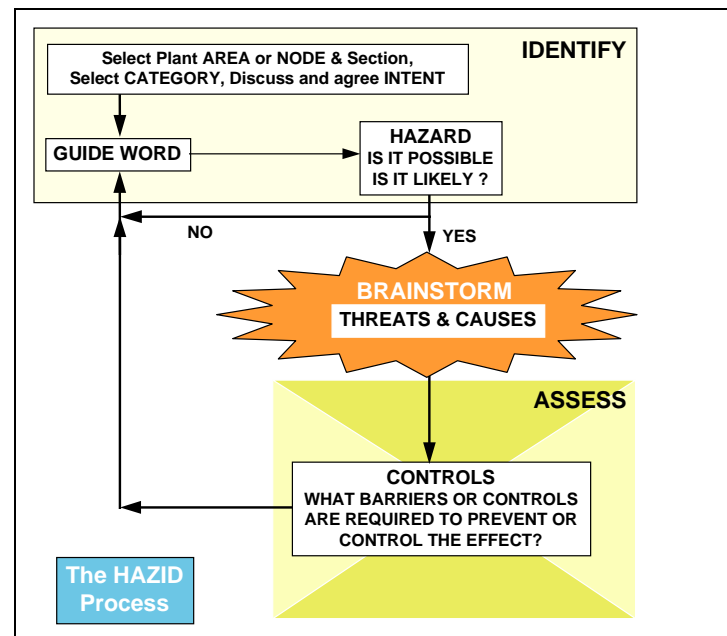
Project Description

BP plans to install SSTBs to various existing floating facilities, including tension leg platforms (TLPs), Spars, and Semi-submersibles. To expedite development of these SSTB opportunities and decrease long lead times, BP plans to develop standard equipment designs for the subsea kit.

IRC conducted a multi-disciplinary team HAZID study to determine potential accident scenarios associated with the SSTB designs.

The HAZID method, accepted as one of the best techniques for identifying potential hazards and operability problems, involves the following:

- Assembly of a team of experienced project personnel
- Presentations detailing the scope of the HAZID
- Identify hazards, causes, consequences and safeguards
- Make recommendations to address hazards, as appropriate
- Risk ranking of hazardous events



Key Benefits to Client

- Existing SSTB design knowledge was efficiently captured relative to client's projects
- Numerous procedural, equipment design, testing, and process control recommendations allowed expedited development of standardized SSTB equipment



Protecting life by shaping design and operation of hazardous facilities

10497 Town & Country Way, Suite 800, Houston, Texas, 77024, USA
Telephone: 713 647 7929, Facsimile: 713 467 9757, Email: irc@irc-americas.com, Web: www.irc-americas.com