

Process Safeguards and Risk Analysis for Offshore Processing

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ABSTRACT

Process safeguards have been traditionally designed into petroleum processing systems. The confined and remote nature of offshore petroleum added special conditions to process safeguard requirements. Increased regulatory involvement in the offshore petroleum processing industry has formalized traditional industry practice. Most of the regulatory approaches follow either the U.S. model or the North Sea model, with minor variations.

With increased regulatory involvement, formal risk analysis has been added to the safety evaluation requirements of offshore production designs.