

Adaptarea sistemului calitatii constructiilor la cerintele si exigentele industriei petroliere

Constructiile aferente industriei petrolului ofera a gama larga de cazuistici ingineriei civile prin faptul ca acestea au alte partititudini corespunzatoare diferitelor produse rezultand atat din procesul de exploatare, cat si din procesul de rafinare.

Dupa cum se cunoaste, constructiile pot sa adaposteasca produse cu densitate apreciabila, precum si substante volatile, fiecare prezentand o vulnerabilitate specifica legata de conditiile de depozitare. Chiar daca petrolul nu este agresiv chimic, uleiurile derivate precum si starea produselor imbuteliate pot fi surse de risc la explozii si incendii.

In actualele conditii generate de schimbarile climatice apar noi cerinte si exigente de care specialistul in inginerie civila trebuie sa tina cont. Autorii dezvolta riscurile generate precum si o serie de masuri cu procedee moderne pentru conditii de exploatare corespunzatoare.

Cuvinte cheie: constructii, siguranta in exploatare, industria petrolului.

Adapting the construction quality system to the requirements and demands of the oil industry

The constructions related to the oil industry offer a wide range of case studies for civil engineering due to the fact that they entail different types of structures adapted to various products resulting from both the exploitation process and the refining process.

As known, constructions can house products with considerable density, as well as volatile substances, each presenting specific vulnerabilities related to storage conditions. Even though petroleum is not chemically aggressive, derived oils as well as the condition of bottled products can be sources of risk for explosions and fires.

In the current conditions generated by climate change, new requirements and demands arise that the civil engineering specialist must take into account. The authors develop the risks generated as well as a series of measures with modern procedures for appropriate operating conditions.

Keywords: Constructions, Operational Safety, Oil Industry.

Autorii:

Drd. ing. GRIGORAS (SAFTA) CORINA RAMONA

Prof. univ. dr. ing. GRAMESCU ANA MARIA

Sef lucr d ring FILIP COSMIN