Förhandsgranskning / Preview

Recommendations for the design of storage tank parks with retaining dikes

Scope

This guide provides recommendations on how to design storage tank parks with retaining dikes. It also provides support for complying with the applicable regulations and for guaranteeing work processes to ensure that the people who will carry out future work in retaining dike areas are not exposed to risks.

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1 Related documets

- SSG 7705E – ”Anchoring of tank on foundation”
- SSG 7642E – ”Design and manufacture of welded metal storage tanks”
- ”CFA – Anvisningar för cisternfundament 2012” (Swedish)General

2 General

Retaining dikes can be individual, sectional or grouped in some other way, and most are built for purely practical reasons, such as:

- easier cleaning within a given section
- recovery of media for recirculation or for pumping
- keeping traffic and other activities away from the vicinity of the storage tanks
- to prevent certain media from entering the plant's drainage system.

Storage tanks should be placed taking into account the media they will contain and the consequences arising from any possible leakage. This is particularly applicable when several storage tanks are positioned within the same retaining dike. A thorough analysis of the medium should be carried out at an early stage of a project,

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