

Slide No 61



Two damaged items out of 14 fuel tanks

Amount of loss

Swiss Francs 620,000.-

Cause

Windstorm

Short description

Two out of 14 tanks collapsed due to strong winds

Comments and loss prevention

The collapse of tanks during their construction is an event loss prevention which can often be avoided by proper prevention measures. In this case, the loss could have been reduced to 50 % if construction had been programmed in such a way that only one tank at a time reached the critical height.

Furthermore, during known periods of possible high winds, the height of the walls should not exceed 3 rings.

Finally, other measures can prevent collapses, such as the fixing of wind girders (slide No 62) and quick erection of roof beams (slide No 63).

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Fixing of wind girder along the fourth ring tank shell

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Tanks with an arrangement of roof beams between the upper rim and centre post were unaffected.