

**SOIL LIQUEFACTION FIELD TEST IN MEPPEN PROVING GROUND, 1978
SYNOPTIC PAPER**

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The tests in Meppen were planned in such a way that liquefaction effects could be investigated in terms of the peak values of total pressure, both in the free-field surrounding the explosive source and in the vicinity of the buried structure. The distances of the free-field measuring points from the source were chosen such that a comparison could be made with the behavior in the area of the structure itself (where a certain zone of influence from the structure is present).

The measuring arrangement was also chosen, so that the vertical movement of the buried structure, which could result from a liquefaction of the soil surrounding it, could also be observed. For this purpose film, cameras were used.

The investigations that were carried out in the free-field and those in the area of the structure will be presented in a special lecture of the meeting. In this lecture the results of the free-field tests and those in the region of the structure are compared. As a conclusion a film will be shown of the tests being carried out at Meppen proving ground in October 1978.