

EJECTA MISSILE HAZARDS FOR LARGE HIGH EXPLOSIVE SURFACE BURSTS

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The Permanent High Explosive Test Site (PHETS) at White Sands Missile Range is regularly used by the Defense Nuclear Agency (DNA) as the site for large scale blast simulation field tests in the USA: Because of test objectives related to explosive effects other than blasts or because of cost efficiency, many of these tests are conducted as surface detonations. In such a situation, a crater is formed and potentially hazardous ejecta is thrown beyond the crater. This paper reports analysis of pertinent ejecta test data and suggests a prediction model which may be useful to future experiments.