

LAND USE PLANNING CONSIDERATIONS IN THE CONTEXT OF SEVESO II REGULATIONS

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ABSTRACT

The SEVESO II Directive requires that Member States should take into account the objectives of preventing major accidents and limiting their consequences into their land-use policies and controls. This paper presents a practical approach for determining separation distances between Seveso establishments and residential or other sensitive areas. The methodology is based on the assessment of consequences of worst case and alternative accident scenarios, in terms of distances in which the intensity of the phenomena (e.g. thermal radiation from fires) give rise to undesired effects (e.g. lethality). The proposed approach, supported by the use of Geographical Information Systems (GIS), is applied to an industrial area in Greece and land use planning considerations are discussed.