

12

CHAPTER 12
Prevention of Major Accidents

12 PREVENTION OF MAJOR ACCIDENTS

12.1 Background

The Seveso II Directive 96/82/EC is concerned with the prevention of major accidents that involve dangerous substances and the limitation of their consequences for humans and the environment. It applies to establishments where dangerous substances are produced, used, handled or stored.

The “European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations” S.I No 476 of 2000 implements this Directive in Irish law. The National Authority for Occupational Safety Health (the Health and Safety Authority (HSA) has been designated as the central competent authority for enforcement of these regulations.

Two industries in County Kildare are affected by the Seveso II Directive.

Table 12.1 Industries affected by the Seveso II Directive

Establishment	Address	Category
Irish Industrial Explosives	Clonagh, Enfield	Upper Tier Site
Intel Ireland Ltd	Collinstown Industrial Park, Leixlip	Lower Tier Site

12.1.1 General Requirements

In establishing whether the Regulations apply to a particular establishment the primary criterion is whether dangerous substances are present in quantities equal to or in excess of those listed in the first schedule of the Regulations. There are two tiers of industries; lower tier and upper tier, depending on the quantity of substances used, handled or stored on site. The regulations require different duties of operators for lower tier and upper tier establishments.

Lower tier establishments are required to:

- Notify the HSA and the Local Planning Authority of their existence and provide information in relation to;
 - inventories of dangerous substances;
 - type of activity in operation; and
 - the surrounding environment of the establishment.
- Take all necessary measures to prevent the occurrence of a major accident and to limit the consequences of any accident for people and the environment.
- Prepare and implement a major accident prevention policy.
- Take action in the event of a major accident.
- Maintain a register of notifiable incidents.

The obligations on upper tier establishments include those for lower tier in addition to:

- production of a Safety Report;
- preparation of an internal emergency plan;
- provision of information to those responsible for off-site emergency plans; and
- provision of information for the safety of the public.

12.1.2 1875 Explosives Act

In relation to the “Irish Industrial Explosives” factory at Clonagh, Map No 12.2 also shows the outside safety distance as indicated under the 1875 Explosives Act. It should be noted that a licence under the 1875 Explosives Act prevents the construction of a wide variety of buildings and uses, including residential dwellings within the area shown on the map, subject to the exemption procedure specified in the licence.

12.1.3 Irish Industrial Explosives

The HSA established a consultation distance of 1,000 metres from the site boundary of Irish Industrial Explosives and is indicated on Map 12.2. This boundary may be reviewed in the light of generic advice.

This consultation zone indicates the area in which planning applications must be referred to the HSA.

12.1.4 Intel Ireland Ltd.

The HSA has prepared detailed land-use planning advice for Intel Ireland Ltd at Collinstown, Leixlip. Map 12.1 indicates the risk contours for this SEVESO site and Table 12.2 in the appendix to this chapter sets out the planning advice for each of the 3 zones.

12.2 Goal

To ensure that all industries covered by the Seveso Directive have taken necessary steps to reduce the risk and minimise the effects of major accidents.

12.3 Objective

It is an objective of the Council to require that:

- (a) The siting of new establishments,
- (b) Modifications to existing developments, and
- (c) New developments in the vicinity of existing establishments,

All of the above take into account the need to prevent major accidents involving hazardous substances and safeguard both the public and the environment.

12.4 Policy Statement

It is the policy of the Council:

- MA 1** To comply with Seveso II Directive and to reduce the risk and limit the consequences of major industrial accidents by, where appropriate, taking into account the advice of the Health and Safety Authority when proposals for new developments are considered.
- MA 2** That in the assessment of planning applications for new development or expansion of existing development involving hazardous substances, the Council will have regard to the following:
- The SEVESO Directive and Major Accident Regulations.
 - HSA generic land-use planning advice.
 - Potential adverse impacts on public health and safety.
 - The need to maintain appropriate safe distances between residential areas, areas of public use and areas of particular natural sensitivity.
- MA 3** To require planning permission for (i) the modifications of existing establishments and (ii) where the nature and quantity of dangerous substances handled, used or stored on existing sites is to be altered. The need for additional technical measures may also be required so as not to increase the risks to people.
- MA 4** That in the absence of generic land-use planning for Irish Industrial Explosives, Clonagh, Enfield, the Council will seek the advice of the HSA for planning applications within the consultation distance for developments:
- 1) Listed in Table 1 of Schedule 8 of the Planning and Development Regulations, 2001.
 - 2) Located within the specified distance of certain establishments as indicated in Table 2 of Schedule 8, of the Planning and Development Regulations, 2001.
 - 3) Located within such distance from a particular establishment as has been specified by the HSA in technical advice.
- MA 5** To ensure that land use policies take account of the need to maintain appropriate distances between major accident hazard establishments and residential areas, areas of substantial public use and areas of particular natural sensitivity or interest.
- MA 6** To comply with the land-use planning advice in relation to Intel Ireland Ltd at Collinstown Industrial Park Leixlip.

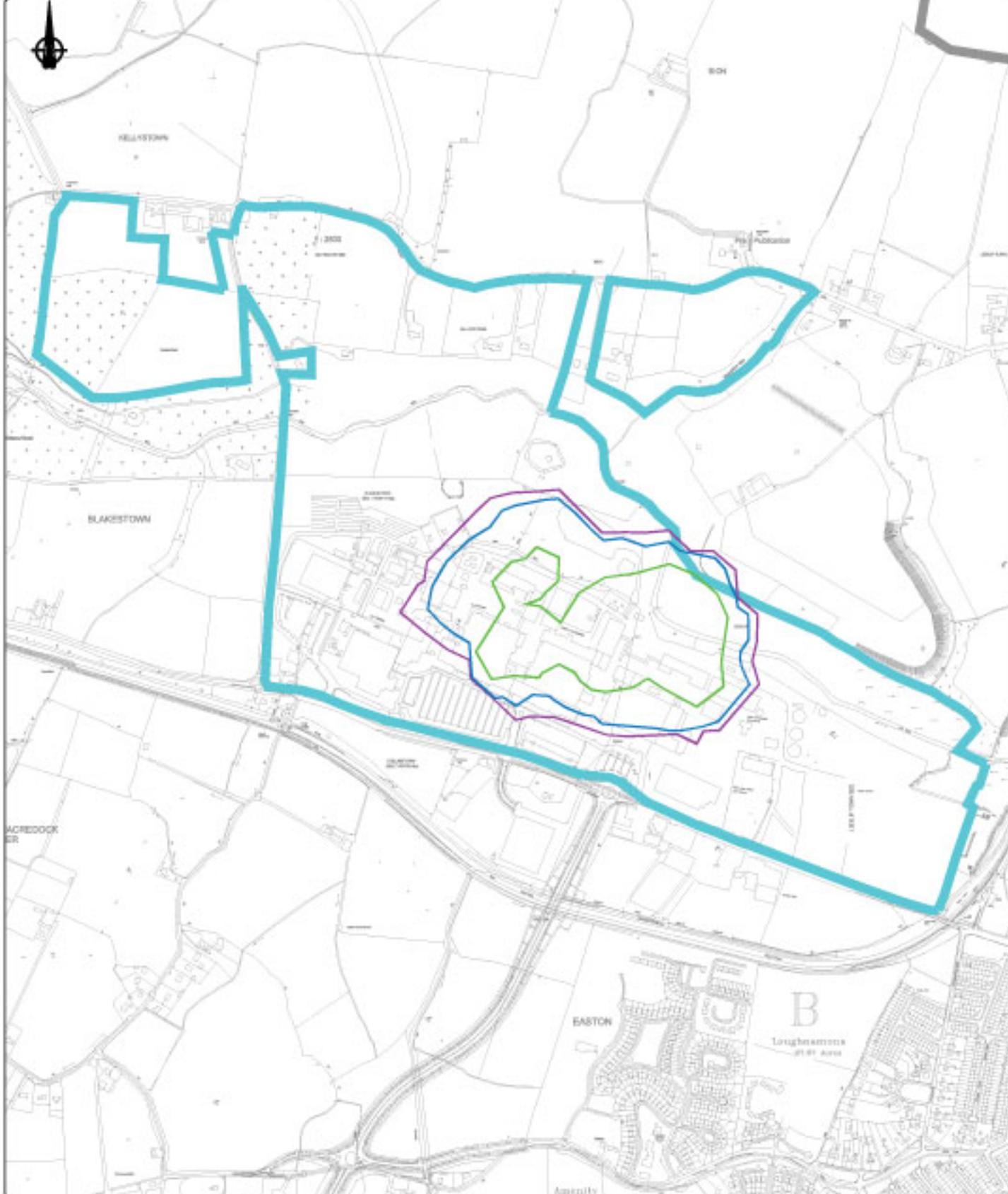
1875 Explosives Act

MA 7 To prohibit development within the area of control at Clonagh unless an exemption has been obtained through the licence procedure.

Table 12.2 Planning advice for 3 zones illustrated on map 12.2

Zone	Advice
Zone 1:	<ul style="list-style-type: none"> • Uses that may be considered in zone 1: <ul style="list-style-type: none"> - Occasionally occupied developments e.g. pump houses, transformer stations may be considered. • Advice against residential, office and retail, • Consult with HSA re: Industrial development
Zone 2:	<ul style="list-style-type: none"> • Uses that may be considered in zone 2: <ul style="list-style-type: none"> - Workplace development. - Residential densities from 28 to 90 persons per hectare, density increasing as risk decreases across the zone in developed areas and 22 to 70 persons per hectare in less developed areas. - Modest retail and ancillary local services • Advice against shopping centres, large-scale retail outlets, undue concentration of restaurant / pub facilities.
Zone 3	<ul style="list-style-type: none"> • Advice against sensitive developments such as crèches, schools, hospitals and nursing homes. Locations of major public assembly will be subject to individual assessment.





Legend :

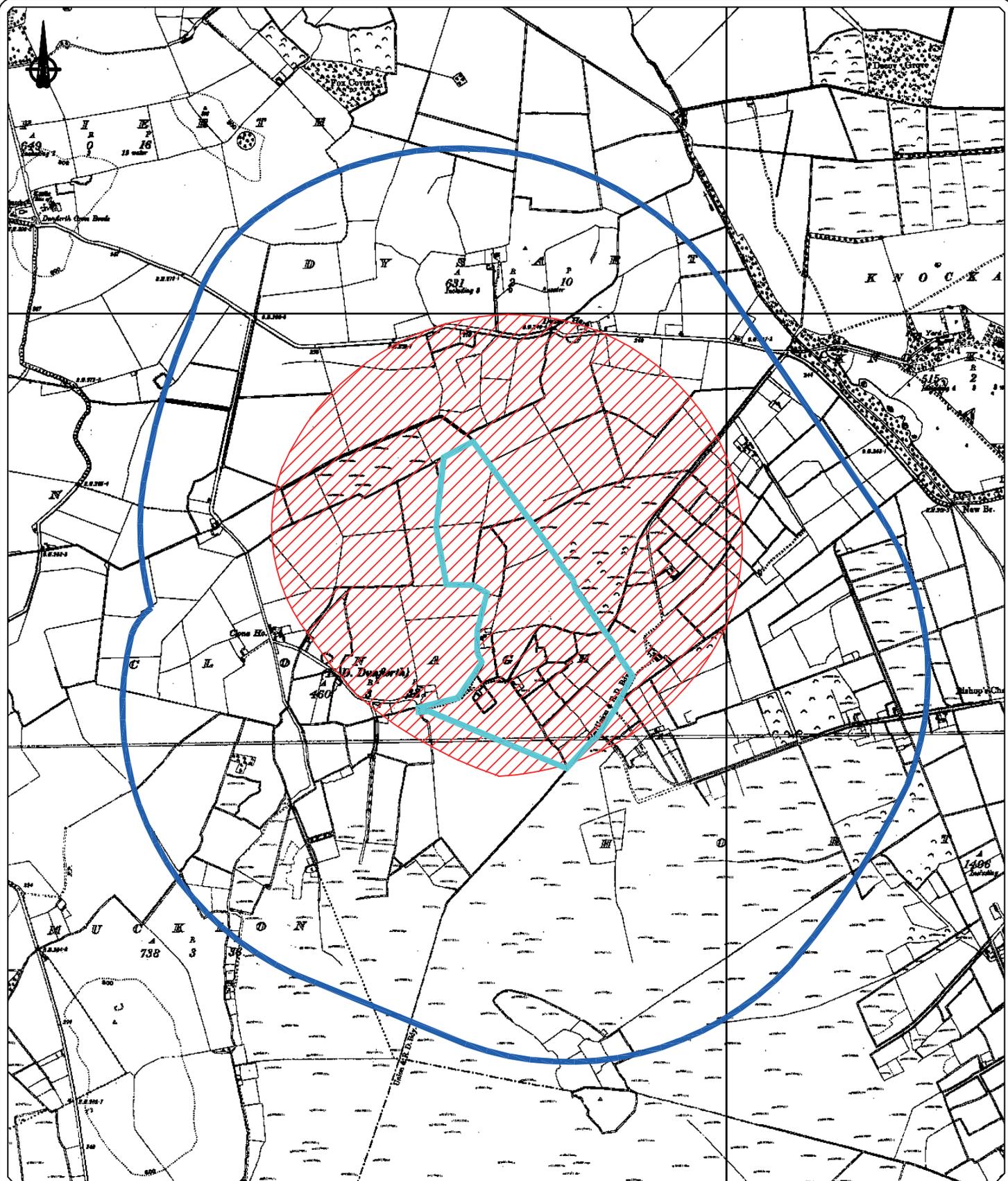
INTEL SITE BOUNDARY	
RISK CONTOURS	
(Refer To Table 12.2 In Text)	Zone 1 
	Zone 2 
	Zone 3 



KILDARE COUNTY COUNCIL
PLANNING DEPARTMENT
St. MARY'S NAAS

COUNTY DEVELOPMENT PLAN 2005 TO 2011
SEVESO SITE AT INTEL, LEIXLIP

Scale: N.T.S.	Map Ref: 12.1
Date: May 2005	Dwg No: 200/05/140
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Legend :

SITE BOUNDARY



AREA OF CONTROL



H.S.A. CONSULTATION ZONE



**KILDARE COUNTY COUNCIL
PLANNING DEPARTMENT
St. MARY'S NAAS**

**COUNTY DEVELOPMENT PLAN 2005 TO 2011
SEVESO SITE AT CLONAGH**

Scale: N.T.S.

Map Ref: 12.2

Date: May 2005

Drg No: 200/05/141

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