

## Chapter 12 Hazardous Substances and Contaminated Land

### 12.1 Hazardous substances

#### 12.1.1 Introduction

This introduction is to assist the lay reader to understand how this chapter works and what it applies to. It is not an aid to interpretation in a legal sense.

This chapter seeks to manage the [residual risks](#) associated with the storage, use, or disposal of [hazardous substances](#), this includes the minimisation of [reverse sensitivity](#) effects, and avoidance of [sensitive activities](#) being located within a defined Risk Management Area. The defined Risk Management Area is located in Woolston, the extent of which is illustrated on Planning Map 47.

The objectives, policies and rules in this chapter provide for the storage, use, or disposal of [hazardous substances](#) as a permitted activity throughout the District, subject to provisions in other chapters. The exception to the permitted activity status is the inclusion of two non-complying activities. The first relates to new storage or use of [hazardous substances](#) with explosive or flammable properties within close proximity to [National Grid transmission lines](#) and some [electricity distribution lines](#). The second is for [sensitive activities](#) locating within the defined Risk Management Area.

Plan users should be aware that certain activities which comply with the rules regulating [hazardous substances](#) under the [District Plan](#) may still require consent from the Canterbury Regional Council (CRC).

The provisions in this chapter give effect to the Chapter 3 Strategic Directions Objectives.

#### 12.1.2 Objectives and policies

##### 12.1.2.1 Objective - Adverse environmental effects

- a. The [residual risks](#) associated with the storage, use, or disposal of [hazardous substances](#) in the district are managed to acceptable levels to not adversely affect people, property and the environment while recognising the benefits of facilities using [hazardous substances](#).

##### 12.1.2.1.1 Policy - Location of new facilities using, storing or disposing of hazardous substances

- a. Locate new facilities using, storing, or disposing of [hazardous substances](#) on appropriate [sites](#) to ensure that any [residual risks](#) to [strategic infrastructure](#) are managed to acceptable levels.

### 12.1.2.1.2 Policy – Identifying and managing individual and cumulative effects of facilities using, storing, or disposing of hazardous substances

- a. Identify the individual and cumulative effects associated with facilities using, storing or disposing of [hazardous substances](#) and manage [residual risks](#) to people, property and the environment to acceptable levels.

### 12.1.2.2 Objective - Risk and reverse sensitivity effects

- a. [Sensitive activities](#) are established at suitable locations to minimise [reverse sensitivity](#) effects on and avoid unacceptable risks from established facilities using, storing or disposing of [hazardous substances](#).

#### 12.1.2.2.1 Policy - Establishment of sensitive activities

- a. The establishment of [sensitive activities](#) in close proximity to existing major facilities using, storing or disposing of [hazardous substances](#) shall be:
  - i. avoided in the first instance when that facility or area includes [strategic infrastructure](#) or where the [sensitive activity](#) may be exposed to unacceptable risk; and
  - ii. minimised, to allow such facilities to carry out their operations without unreasonable [reverse sensitivity](#) constraints.

#### 12.1.2.2.2 Policy - Risk Management Areas

- a. Avoid [sensitive activities](#) locating within Risk Management Areas where these have the potential to be exposed to unacceptable risk and /or may otherwise constrain the development, operation, upgrading or maintenance of bulk fuel and gas terminals.

Note: The Risk Management Areas are shown on Planning Map 47. The geographic extent of these areas may be subject to a future plan change to have effect by 31<sup>st</sup> March 2019 and any such plan change would need to be based on the findings of a Quantitative Risk Assessment.

### 12.1.2.3 Objective - Acceptable slope stability risks in relation to hazardous substances

- a. [Residual risks](#) of adverse effects from the use, storage, or disposal of [hazardous substances](#) are managed to acceptable levels in areas affected by slope instability.

#### 12.1.2.3.1 Policy - Risks and adverse effects within areas affected by natural hazards

- a. Design, construct and manage any proposal involving use, storage or disposal of [hazardous substances](#) within areas affected by slope instability to ensure [residual risks](#) are managed to acceptable levels.

### 12.1.3 How to interpret and apply the rules

- a. The following rules apply to activities that involve the use, storage, and disposal of [hazardous substances](#), and [sensitive activities](#) located within a defined Risk Management Area.
- b. There are regional rules applicable to the contamination of land, air and water associated with the storage, use, and disposal of [hazardous substances](#). Certain activities which comply with the rules regulating [hazardous substances](#) under the [District Plan](#) may still require consent from the Canterbury Regional Council (CRC).
- c. The activity status tables and standards in the following chapters also apply:
  - 4 Papakāinga/Kāinga Nohoanga Zone
  - 5 Natural Hazards
  - 6 General Rules and Procedures
  - 7 Transport
  - 8 Subdivision, Development and Earthworks
  - 9 Natural and Cultural Heritage
  - 11 Utilities and Energy
  - 14 Residential
  - 15 Commercial
  - 16 Industrial
  - 17 Rural
  - 18 Open Space
  - 19 Coastal Environment
  - 21 Specific Purpose Zones

### 12.1.4 Rules - Hazardous substances

#### 12.1.4.1 Activity status tables - Hazardous substances

##### 12.1.4.1.1 Permitted activities

The activities listed below are permitted activities if they ~~comply with any~~[meet the](#) activity specific standards set out in this table.

Activities may also be non-complying as specified in Rule 12.1.4.1.2.

Activity		Activity specific standards
P1	The use, storage or disposal of any <a href="#">hazardous substance</a> (unless otherwise specified in this plan).	Nil

### 12.1.4.1.2 Non-complying activities

The activities listed below are non-complying activities.

	Activity
NC1	<p>a. Any new storage or use of <a href="#">hazardous substances</a> with explosive or flammable properties within:</p> <ol style="list-style-type: none"> <li>i. 10 metres of the centre line of a 66kV <a href="#">National Grid transmission line</a> or a 66kV <a href="#">electricity distribution line</a>; or</li> <li>ii. 5 metres of the centre line of a 33kV <a href="#">electricity distribution line</a>; or</li> <li>iii. 12 metres of the centre line of a 110kV or 220kV <a href="#">National Grid transmission line</a>.</li> </ol> <p>b. For the purpose of (a), the definition of <a href="#">hazardous substances</a> excludes the following activities, facilities and quantities:</p> <ol style="list-style-type: none"> <li>i. storage of <a href="#">substances</a> in or on vehicles being used in transit on public <a href="#">roads</a>;</li> <li>ii. installations where the combined transformer oil capacity of the electricity transformers is less than 1,000 litres;</li> <li>iii. fuel in mobile plant, motor vehicles, boats and small engines;</li> <li>iv. gas and oil pipelines and associated equipment that are part of a <a href="#">utility</a>;</li> <li>v. <a href="#">retail activities</a> selling domestic scale usage of <a href="#">hazardous substances</a>, such as <a href="#">supermarkets</a>, <a href="#">trade suppliers</a>, and pharmacies.</li> <li>vi. the <a href="#">accessory</a> use and storage of <a href="#">hazardous substances</a> in minimal domestic scale quantities;</li> <li>vii. fire-fighting <a href="#">substances</a>, and <a href="#">substances</a> required for <a href="#">emergency</a> response purposes on <a href="#">emergency</a> service vehicles and at <a href="#">emergency service facilities</a></li> <li>viii. activities involving <a href="#">substances</a> of Hazardous Substances and New Organisms sub-classes 1.4, 1.5, 1.6, 6.1D, 6.1E, 6.3, 6.4, 9.1D and 9.2D unless other hazard classification applies;</li> <li>ix. the temporary storage, handling and distribution of national or international cargo containers;</li> <li>x. waste treatment and disposal facilities (not within High Flood Hazard <a href="#">Management Areas</a> and <a href="#">Flood Management Areas</a>), and waste in process in the <a href="#">Council's</a> trade waste sewers, municipal liquid waste treatment and disposal facilities (not within High Flood Hazard <a href="#">Management Areas</a> and <a href="#">Flood Management Areas</a>) which may contain <a href="#">hazardous substance</a> residues;</li> <li>xi. vehicles applying agrichemicals and fertilisers for their intended purpose.</li> </ol>
NC2	<p>Any <a href="#">sensitive activity</a> located within a Risk Management Area. This rule shall cease to have effect by 31 March 2019.</p> <p>Note: The Risk Management Areas are shown on Planning Map 47. The geographic extent of these areas may be subject to a future plan change to have effect by 31st March 2019 and any such plan change would need to be based on the findings of a Quantitative Risk Assessment.</p>

Note to be placed on Planning Map 47 under “Other Notations”:

Risk Management Area (refer Rule 12.1.4.1.2). *The geographic extent of these areas may be subject to a future plan change to have effect by 31<sup>st</sup> March 2019 and any such plan change would need to be based on the findings of a Quantitative Risk Assessment.*

### 12.1.5 Other methods

- a. Education will be used to promote public awareness about the costs and benefits of [hazardous substances](#) and associated facilities, to encourage resource users to take responsibility for their own health and safety, and for management of the effects of their activities on the public and the environment.
- b. Industry Codes and New Zealand Standards and Guidelines will be utilised in some circumstances to provide the basis for controls on the use of [hazardous substances](#).
- c. Develop specific guidelines to assist operators of facilities using, storing, or disposing of [hazardous substances](#) in achieving compliance with relevant management requirements.
- d. Preparation and operation of site management systems and [emergency](#) plans to avoid or mitigate the risk of [hazardous substances](#) escaping into the environment.
- e. Promotion by government and local government of “Cleaner Production” and recycling principles, including methods and processes to improve operating efficiency and minimise the release of [hazardous substances](#), or the use of alternative non-hazardous substances or technologies.
- f. Waste Disposal Guidelines will be used for the disposal of hazardous waste to Local Authority approved facilities to protect human health and the receiving environment from potential adverse effects. Advice may be given on pre-treatment requirements or alternative methods of disposal for non-acceptable wastes.
- g. Liaise with parties involved with [hazardous substance](#) use, such as the [Canterbury Regional Council](#) and [adjoining](#) territorial authorities, WorkSafe New Zealand, Ministry of Health, Ministry for the Environment, the Environmental Protection Authority (EPA), the New Zealand Police and owner/operators who use [hazardous substances](#), to allow more effective risk management coordination.

## 12.2 Contaminated land

### 12.2.1 Introduction

This introduction is to assist the lay reader to understand how this chapter works and what it applies to. It is not an aid to interpretation in a legal sense.

This chapter seeks to manage the [subdivision](#), use or development of land containing elevated levels of contaminants to protect human health and the environment, and to enable the land to be used in the future. It does this by providing a policy framework for [contaminated land](#) in the District, and in particular to enable observance of the Resource Management (National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011 (Soil NES). This chapter contains no rules.

The provisions in this chapter give effect to the Chapter 3 Strategic Directions Objectives.

### 12.2.2 Objective and policies

#### 12.2.2.1 Objective - Contaminated land - managing effects

- a. Land containing elevated levels of contaminants is managed to protect human health and the environment, which includes significant natural and Ngāi Tahu cultural values from the adverse effects of [subdivision](#), development and use of [contaminated land](#) and natural hazards, including from site investigations, [earthworks](#) and soil disturbance, and to enable the land to be used in the future.

##### 12.2.2.1.1 Policy - Best practice approach

- a. Require any proposal to subdivide, use or develop [contaminated land](#) or [potentially contaminated](#) land to apply a best practice approach to investigate the risks, and either remediate the contamination or manage activities on [contaminated land](#) to protect people and the environment.

**Note:** The status of some activities will be determined by the requirements of the Resource Management (National Environmental Standards for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011. Reference should be made to the Ministry for the Environment website for a copy of these regulations, a user's guide, and documents incorporated by reference in these regulations.

##### 12.2.2.1.2 Policy – Remediation

- a. Remediation of [contaminated land](#) should not pose a more significant risk to human health or the environment than if remediation had not occurred.

### 12.2.2.1.3 Policy – Future use

- a. Use or development of [contaminated land](#) that has been remediated or has an existing management plan in place, must not damage or destroy any containment works, unless comparable or better containment is provided.

## 12.2.3 Other methods

- a. The Ministry for the Environment's Hazardous Activities and Industries List (HAIL), the list of properties on ~~Canterbury Regional Council's Environment Canterbury's~~ Listed Land Use Register, [Council](#) records, and site investigations shall provide the basis for identifying whether land is [contaminated land](#) or [potentially contaminated](#) land. It is the duty of the person undertaking any activity to ascertain whether the land is identified as having a current or past use that is identified in the HAIL. The Resource Management (NES for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011 specifies two methods for determining whether a piece of land is, was or more than likely had a HAIL activity on it. Use of the Ministry for the Environment's [Contaminated Land](#) Management Guidelines will form the approach to achieving best practice. Where contamination is confirmed and this data becomes known to [Council](#) it will be included on Land Information Memorandums (LIM).
- b. Maintain factsheets, templates and guidance to assist with consent applications under the Resource Management (National Environmental Standards for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011.