

Title of Policy	Dangerous, Affected and Insanitary Buildings Policy		
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# Dangerous, Affected and Insanitary Buildings Policy



#### 1. CONTEXT

#### 1.1. Introduction

Kaipara District Council (Council) is required by the Building Act 2004 (the Act) to adopt a policy that covers the identification, assessment, and management of any dangerous, affected, and insanitary buildings within its District, including historical buildings.

Conversions of existing aged buildings, lack of maintenance, overcrowding, and unauthorised building alterations can cause serious building problems for occupants and those who use them. The failure to obtain a building consent or using a building for a purpose for which it is not suitable can result in a building no longer complying with the Building Code and posing a danger to occupants, the general public, and/or other properties.

This Dangerous, Affected, and Insanitary Buildings Policy (the Policy) details how Council will manage these buildings so that they do not pose a risk to public health and/or safety or put any other buildings that are situated within proximity to them at risk.

This Policy replaces Councils Dangerous and Insanitary Buildings Policy 2013.

The Policy is supported by a Risk Framework and Assessment Criteria (RFAC) document that is used by Council staff when investigating a possible dangerous, affected, and/or insanitary building. The RFAC does not form part of the Policy but is included for completeness and to support understanding.

1.2. Legislative framework Part 6 of the Act requires territorial authorities (councils) to determine whether buildings in their districts or cities are dangerous, affected, and/or insanitary. In situations where risks may be linked to fire hazards, Council may seek advice from Fire Emergency New Zealand (FENZ) as being the authority to give that advice. If advice is sought, the Council must give due regard to that advice.

Section 131 of the Act requires this Policy to state Council's:

- approach to performing functions under the Act
- priorities in performing these functions
- how it applies to heritage buildings
- how it applies to affected buildings.

The policy must be adopted (and amended or replaced) following the special consultative procedure of section 83 of the Local Government Act 2002. Council must provide a copy to the Chief Executive of the Ministry of Business Innovation and Employment, once it has been adopted or amended.

If Council is satisfied that a building or part of a building is dangerous, affected, or insanitary, Council may exercise any of its powers or perform any of its functions to that building or part of the building under the Act's provisions.

When exercising its power, Council must be satisfied that the thresholds of dangerous, affected, or insanitary have been met under the provisions set out in the Act. In most cases, Council will seek professional advice on these aspects.



#### 2. THE POLICY

## 2.1. Purpose

- protect public health and safety from potentially dangerous, affected and/or insanitary buildings
- recognise that historic buildings may require a variation to the normal approach if their particular heritage values could be compromised.

#### 2.2. Definitions

Where a term is used in this Policy that has a meaning defined in the Act, it will have the same meaning as provided Part 6 of the Act.

## 2.3. Objective

The objective of this Policy is to achieve compliance with the Act and protect public health and safety.

## 2.4. General approach

Wherever possible, Council will seek the co-operation of the owner and occupant to achieve compliance without resorting to the Act's formal notice provisions; however, this may not always be possible.

Council will adopt a flexible approach to achieve the overall co-operation objective as it is aware of the diversity and dynamics which result in dangerous, affected, or insanitary buildings.

Factors in determining the approach to be taken are included in Council's RFAC document, as attached to this Policy.

The critical factors in determining the approach that Council will take:

- an assessment of the scale and immediacy of risk to occupants and the public
- an evaluation of the likelihood of harm to adjoining properties
- an assessment of environmental impacts including contamination of water bodies
- the availability and viability of alternative options.

## 2.5. Identifying dangerous, affected and/or insanitary buildings

Council does not have the resources to carry out a systematic survey of the standard of buildings across the District, nor does it need to.

Rather, an investigation into whether a building is dangerous, affected or insanitary will be triggered by one or more of the following:

- the observations of its staff or contractors
- information or complaints received from members of the public or members of professional bodies such as Engineering New Zealand etc.
- events arising following natural or humanmade disasters
- notification from the Ministry of Business Innovation and Employment
- notification from FENZ.

In determining whether a building is dangerous or affected with respect to a fire hazard, Council may seek the advice of FENZ. Similarly, in determining whether a building is insanitary concerning drinking water, waste disposal or weather tightness, Council may seek advice from appropriate sources, such as Council's Environmental Health staff,



technical building specialists, testing laboratories, geotechnical, fire, or structural engineers.

Council may also be guided by relevant legislation, codes, or bylaws, and may choose to seek legal advice.

The Act itself provides several statutory tools for managing identified dangerous, affected and/or insanitary buildings; these include:

- issuing formal notices
- owner carrying out remedial work
- Council undertaking the necessary remedial action/work
- demolition.

## 2.6. Heritage buildings

Heritage buildings will be evaluated in a manner consistent with assessments for other potentially dangerous, affected and/or insanitary buildings. Council is aware of the protection mechanisms and heritage values that these buildings hold, which is why special efforts will be made to meet heritage objectives.

Discussions will be held with owners and the New Zealand Historic Places Trust to identify a mutually acceptable way forward.

If a dangerous, affected, or insanitary building notice is issued for a heritage building, a copy of the notice will be sent to the Heritage New Zealand Pouhere Taonga as required by section125(2)(f) of the Act.

## 2.7. Affected buildings

Affected buildings are those that are within close proximity to either a dangerous building or a dangerous dam. It allows Council to assess and determine a management plan with the owner and/or occupant.

#### 2.8. Investigation

Council will respond to and investigate all alerts received about any dangerous and/or insanitary building. The investigation will utilise the RFAC document, and will include as part of the enquiry the following points:

- review Council records before a site visit
  - understand what consents have been approved for this site; whether a Compliance Schedule exists; the status of the Building Warrant of Fitness / IQP reports; Notices to Fix, etc.)
- review GIS/aerials prior to site visit
  - o understand whether there are any natural or humanmade hazards or other issues to be aware of
- how Council was made aware of the situation
- location of the building
- actual site conditions
- previous and current use of the building
- occupancy numbers
- ownership/occupancy details
- whether the public has access to the building, e.g. via the building or adjacent land and waterways
- what aspects of the building are dangerous (all, or only parts of the building)
- whether any neighbouring properties are affected by the potentially dangerous, and/or insanitary building



- what aspects of the building are considered insanitary, e.g. lack of potable drinking water, sanitary fixtures and waste disposal, light, and ventilation or vermin
- how and to what extent these aspects are non-compliant with the Building Code
- who is or was responsible for creating this hazard (e.g., whether authorised or unauthorised work is in progress/completed)
- whether the land or building has heritage status
- priorities (the immediacy) of the issue

## 2.9. Criteria for determining priority of issue

A building (or part of a building) will be classified as dangerous or affected if it is likely to cause injury or death to the occupants, public or other property.

A building (or part of a building) will be classified as insanitary if it is likely to be injurious to the health of occupants, public, or people on other property.

The *urgency* of the issue will depend on whether the building is occupied or poses a danger to the public or other property; for example:

- land is unstable
- building is structurally unsound and considered dangerous to occupants, the public and/or other property
- building has a high fire risk
- building lacks sufficient protection to occupants, public or other property (i.e., unfenced pool or large-scale excavations)
- building which has poor sanitation and poses an immediate impact on the health of the occupants or the public
- building is inadequately protected against moisture penetration, (i.e., not weathertight).

A building is less likely to be classified as dangerous, affected, or insanitary if it is unoccupied; however, the risk to the public and other properties must still be considered. Council will need to carefully evaluate these issues and determine whether they warrant immediate action to prevent injury or death. Each case must be assessed based on its own merits.

Examples of different approaches include:

- if the risk is significant and cannot be managed or mitigated to ensure public health and safety, immediate action may be warranted.
- if the risk is substantial but can be managed to minimise the risk to the point that provides public health and safety, then the Council may seek a different approach.

There are always risks associated with an event of a fire where death or injury can occur. However, there must be 'particular features' for this risk to be deemed 'likely to occur.' Therefore, Council must first focus on whether the building complies with the Building Code. If the answer to that question is NO, then the next consideration must be to focus on what features do not comply with the Building Code that makes this building dangerous according to the dangerous building definition. A building may be non-compliant with the Building Code; however, this does not make a building dangerous.

Following the site visit and preliminary investigations, Council will determine whether the building is dangerous, affected, or insanitary and, if so, whether to issue a notice and/or take other actions.

Council will consider the cost of effecting remedial work in assessing the various means of reducing the hazard to human life presented by a building that has been identified as dangerous, affected, or insanitary. The Council will explore the availability of alternatives to continued use and occupation of the building, both in the short and long term.



Below is an example of how Council would apply this Policy and the RFAC to investigate and assess a possible risk and produce possible management options for the owner to consider.

## Example scenario:

This scenario involves multiple people living in transient accommodation (e.g. a 'backpackers' accommodation), which does not have a fire alarm system. The risk is the loss of life or severe injury occurring due to people being unable to escape in the event of a fire (i.e., not aware of fire or smoke in the building).

Risk Factor	Extreme
Risk type	Fire hazard
Building occupied	Yes
Sleeping accommodation	Yes
Death or injury likely	Yes
Can risk be eliminated immediately	No
Can risk be eliminated eventually	Yes - install compliant alarm
Can risk be minimised immediately	YES Interim measure - provide security guard 24/7 who could raise the alarm in event of emergency and have evacuation plans in place
	NO  Evacuate the building; apply for building consent or complete work under urgency; obtain CCC / CoA and Compliance Schedule

In each assessment situation, timing may also impact on the outcome of the site visit. In the above scenario, the risk is extreme because there is sleeping accommodation in the building. If the site assessment is conducted early in the day, a mitigation management plan could be agreed upon between the proprietor and Council by the end of the day, and occupancy may be allowed to continue in the short term.

If conducted late in the day, then this option may not be available, and immediate evacuation and closure of the building may be necessary until a plan has been developed and implemented.

## 2.10. Enforcement actions

If Council is satisfied that a building is dangerous, affected, and/or insanitary, it may exercise any or all of its power contained between sections 123B to 130 of the Act.



#### 2.11. Records

Where a building is identified as dangerous, Council will have a building note (requisition) placed on the property file where the building is situated. This building note will remain until the danger is remedied. In granting access to information concerning dangerous buildings, Council will conform to the requirements of the Local Government Official Information and Meeting Act 1987 and the Local Government Act 2002. In addition, the following information will be placed on the Land Information Memorandum (LIM):

- the notice issued informing the owner that the building is dangerous and where necessary notice of the requirement to evacuate
- a copy of the letter to owner, occupier and any other person to inform them that the building is dangerous
- a copy of the notice given under section 124(1) that identifies the work to be carried out on the building and the timeframe given to reduce or remove the danger.





## **Additional Information**

# Dangerous, Affected and Insanitary Building Policy 2020

The following pages contain Council's Risk Framework and Assessment Criteria. This document is for information purpose only and does not form part of the Policy. It contains matters to help users to understand, use and implement this Policy. The document may be updated at any time.

#### **Risk Framework**

The purpose of this example is to describe a process for systematically and consistently identifying risk. The chance of something happening is measured in terms of consequences and likelihood; this is best described using a matrix<sup>1</sup>.

**Likelihood** - a qualitative description of probability or frequency

Level	Descriptor	Description
Α	Almost Certain	Is expected to occur in most circumstances
В	Likely	Will probably occur in most circumstances
С	Possible	Might occur at some time
D	Uncertain	Could occur at some time
E	Rare	May occur in exceptional circumstances

**Consequence** - the outcome of an event expressed qualitatively or quantitatively, being a loss, injury, disadvantage or gain. There may be a range of possible outcomes associated with an event.

Level	Descriptor	Description
1	Insignificant	No injuries
2	Minor	May require some medical treatment
3	Significant	Medical treatment required
4	Major	Extensive injuries
5	Extreme	Death

**Risk rating** – the chance of something happening that will have an impact upon objectives. It is measured in terms of consequences and likelihood.

	Consequences				
Likelihood	Insignificant	Minor	Moderate	Major	Extreme
Almost Certain	Moderate	Moderate	High	Very High	Very High
Likely	Moderate	Moderate	High	High	Very High
Possible	Low	Moderate	Moderate	High	High
Uncertain	Low	Low	Moderate	Moderate	High
Rare	Low	Low	Moderate	Moderate	High

#### Legend:

Very high extreme risk; immediate action required

High high risk; senior management attention required Moderate management responsibility must be specified

Low manage by routine procedures

<sup>&</sup>lt;sup>1</sup>Source AS/NZS 4630:1999 Risk Management



In this example, it is assumed that:-

- there is no building consent for the building work being risk assessed; or
- if the work was consented in the past, it is no longer compliant with that building consent

Unauthorised building work means:

- building work for which a building consent has not been obtained when one was required; or
- building work which is considered exempt but does not comply with the Building Code

If the consenting process has been completed and a CCC issued and there are elements of that building work that do not comply then that work is considered non-compliant.

Note: In this scenario, it is likely that the bulk of the building work is compliant (work completed under a building consent) instead of the building work that occurred without a building consent. This is reflected in the risk assessment of unauthorised building work that occurs within a consented building for example, an extension or additions to a dwelling.

Once the outcome has been established i.e. that a building is dangerous and / or insanitary; the risk to other property (i.e. *affected buildings*) must then be considered using the same analysis.





Qualitative Measures of Consequences for Risks

Rating	Consequences	Description	Examples
1	Insignificant	Would not cause illness or injury to	Lack of insulation
		any person	Unauthorised minor work e.g.
		Loss of amenity	carport, deck, small garden
		Temporary or very minor nuisance or	shed, temporary noise or
		inconvenience	odour, disconnected downpipe
2	Minor	May cause very minor injury to	Unauthorised addition to
		people	existing building; multiple utility
		Very minimal impact if any on people	sheds on property; garden
		other than those in immediate	shed too close to boundary;
		proximity	mild stormwater runoff; tripping
		Minor damage to local physical	or slipping hazard in public
		environment only	place
		Significant loss of amenity,	
		widespread impact from noise or odour	
3	Moderate		Structural elements fail that
J	เขเบนธาลเธ	Potential to cause significant injury or illness to people	could cause a person to fall
		Minor injury or illness to many people	>1.0m but <2.0m
		May cause some significant damage	Unconsented habitable space
		to property or the environment	Significant storm water runoff
		Can include multiple instances of	Leaky home
		minor effects long term	Persistent noise issues
4	Major	Serious illness, injury or death to one	Structural elements fail that
	,	or more people	could cause a person to fall
		Significant injury or illness to many	>2m
		people	Non-compliant swimming pool
		Major degradation to the wider	Electrical supply to
		environment (not contained on	unauthorised building
		offending property).	Sleepout or similar with
			unconsented sanitary fixtures
			Expired BWoF or failed
F	Extra in a	Caniana illa ana inima and a that an an	systems
5	Extreme	Serious illness, injury or death to one	Serious threat to the overall
		or more people including building	structural integrity of the building such that collapse is
		occupants, third parties (neighbours) or the general public.	imminent and would cause
		Threatens overall integrity of	death or serious injury to third
		buildings other than the offending	parties
		buildings	Public Use building considered
		Serious and irreversible degradation	unsafe due to fire or insanitary
		to the wider environment (not	risk whether due to unsafe
		contained on offending property)	heating, energy systems or
		31 1 27	lack of means of escape
			Building condition could cause
			very serious harm to due to
			discharge or improper
			containment, processing of
			contaminants or hazards,
			including industrial and solid
			wastes
			Large excavation threatening
			other property

Building Risk Factors – Dangerous Buildings

Building Risk Factors – Dangerous Buil	· · ·			
Risk Factor – B1	How can this occur?	Impacts	Impact rating	
a) Deck (including stairs), roof tiles or roofing insecure or foundations / piles weak, removed or unsound	Degradation due to age Poor material quality Poor workmanship Unreasonable weight / loading Natural hazard including subsidence Willful damage Hazard zone not factored Poor design Change of use Fire / Flooding No / incomplete consent	cause a person or persons to fall or trip     prevent access in or out of building     persons to be hit by falling materials     blow on to other property / roads     dampness and moisture issues     misalignment of doors and windows     collapse of building with various impact depending on height, geography of site	Major	
b) Internal support-bracing weak, removed or unsound	Degradation due to age Poor material quality Poor workmanship Unreasonable weight / loading Natural hazard including wind Willful damage Hazard zone not factored Poor design Fire No / incomplete consent	May cause:-	Moderate	
c) Internal support-main structural beams weak, removed or unsound	Degradation due to age Poor material quality Poor workmanship Unreasonable weight / loading Natural hazard including wind Willful damage Hazard zone not factored Poor design Fire / Flooding Relocation of building Nearby excavation or erosion No / incomplete consent	May cause:-  • full or partial collapse of building	Extreme	



Risk Factor – B1	How can this occur?	Impacts	Impact rating
d) Flooring weak or unsound (not including surface failure)	Degradation due to age Poor material quality Poor workmanship Unreasonable weight / loading Natural hazard including wind Willful damage Hazard zone not factored Poor design Fire / Flooding Relocation of building Nearby excavation or erosion No / incomplete consent	May cause:-  • injury due to falling through floor  • illness due to moisture problems	Moderate
e) Bridges and retaining walls weak, removed or unsound	Degradation due to age Poor material quality Poor workmanship Unreasonable weight / loading Natural hazard including wind Willful damage Hazard zone not factored Poor design Fire / Flooding Relocation of building Nearby excavation or erosion No / incomplete consent	May cause:-	Extreme



k Factor – D1-2, E1, F1-9, G1-15	How can this occur?	Impacts	Impact rating
a) Unsafe pedestrian access	Slippery surface Unsafe slope Irregular rise in stairs Lack of handrail Ungraspable handrail No landing or at long intervals in stairs Size of landing does not accommodate door opening No / incomplete consent	May cause:  • injury due to tripping, slipping or other hazard	Minor
b) Unsafe vehicular access of building	Slippery surface / unsafe slope Inadequate queuing / circulation space Inadequate sight distances Design does not avoid conflict between vehicles and people using or moving to space Safety from falling (lack of barriers or bollards) No / incomplete consent	May cause:	Moderate
c) Failure or inappropriate installation or use of a specified system (not fire related) e.g. mechanical installations	Degradation due to age Poor material quality Poor workmanship Not fit for purpose No / incomplete consent	May cause:     entrapment of person or limbs resulting in injury	Major
d) Falling from places other than decks and stairs e.g. temporary site fences, mezzanine levels, etc. <1.0m	Lack of suitable barrier Unreasonable weight Lack of warning No / incomplete consent	May cause:	Minor
e) Falling form places other than decks and stairs e.g. temporary site fences, mezzanine levels, etc. >1.0m	Lack of suitable barrier Unreasonable weight Lack of warning No / incomplete consent	May cause:-  • injury or death	Moderate Major (if fall heig exceeds 2.0m)
f) Hazardous construction or demolition including access to site by small children	Unlimited access Unmarked projections Open hazards / projections Lack of safe route through site No / incomplete consent	May cause:-	Major



sk Factor – D1-2, E1, F1-9, G1-15	How can this occur?	Impacts	Impact rating
g) Destabilisation of neighbouring property due to construction site	Collapse of land due to poor ground strength No retaining walls in place Silt and erosion Over-excavation of site No / incomplete consent	May cause:-	Extreme
h) Lack of adequate access or escape route for disabled persons including visibility, width, etc.	Lack of knowledge and awareness Site specific No / incomplete consent	May cause:-  • loss of amenity or inconvenience	Minor
i) Harms due to offensive odour, food contamination, inadequate privacy, inability to clean effectively, lack of amenity or other annoyance (excludes facility for load / drainage risks)	Inappropriate sanitary facility provision either for purpose or number No / incomplete consent	May cause:-  injury or illness damage to property	Moderate
<ul> <li>j) Contamination from storage manufacturing or processing of food including animal products, medical treatment of humans or animals' reception of dead bodies</li> </ul>	Inappropriate sanitary facility provision either for purpose or number No / incomplete consent	May cause:-	Moderate
k) Loss of fresh air, air temperature or activity space	Lack of ventilation Mechanical air handling system failure or not appropriate No means of removing or collecting cooking fumes, moisture from laundry, steam etc. No/incomplete consent	May cause:-      loss of amenity or inconvenience     illness	Minor
Loss of noise transmission between adjoining occupancies	Lack of insulation Insufficient sound transmission class. Unreasonable noise levels No / incomplete consent	May cause:-      loss of amenity or inconvenience     illness or injury	Minor
m) Lack of natural or artificial light	Poor design Obstruction by neighbours No / incomplete consent	May cause:-  loss of amenity or inconvenience illness or injury	Minor



Risk Factor – D1-2, E1, F1-8, G1-15, H1	How can this occur?	Impacts	Impact rating
n) Inadequate ventilation or explosion from gas appliance or installation	Improper installation System / product failure No / incomplete consent	May cause:-     fire     damage to property     death or injury	Extreme
o) Hot water explosion	Lack of pressure relief Temperature too high Unauthorised building work No / incomplete consent	May cause:-     fire     damage to property     death or injury	Extreme
p) Hot water unavailable	Failure to provide Energy supply failure Unauthorised building work No / incomplete consent	May cause:  • inconvenience	Insignificant
q) Foul odour, noise or other inconvenience	Unauthorised building work No / incomplete consent	May cause:  • Inconvenience or nuisance	Insignificant
r) Unauthorised foul water, industrial waste, solid waste disposal	Illegal dumping System not fit for purpose Unauthorised building work No / incomplete consent	May cause:-      illness     contamination of the environment     damage to property	Extreme
s) Inefficient use of energy when sourced from a network utility operator or a depletable energy source	Failure to limit uncontrollable airflow Degradation due to age Poor material quality Poor workmanship No / incomplete consent	May:-     generate systemic inefficiency     generate unnecessary cost	Insignificant



Risk Factor – C, G9-10	How can this occur?	Impacts	Impact rating
t) Lack of means of escape (including accessible features and signage F8) or lack of, or expired BWOF		May cause:-  Iack of warning of fire resulting in people becoming trapped in a building or part of a building if it catches fire  serious injury from fire or attempts to escape	Extreme
u) Unauthorised or unsafe installation or operation of solid fuel heating system	Deterioration due to age Lack of awareness Use of secondhand appliance Use of incorrect material when operating appliance No / incomplete consent	May cause:	Extreme
v) Lack of appropriate fire retardation materials	Unauthorised work Poor installation Poor quality materials No / incomplete consent	May cause:-     fire to spread more rapidly     injury or damage to property	Major
w) Unauthorised electrical supply installation or electrical supply in unsafe building	Unauthorised connection - no approval from Energy Provider Poor installation Poor quality materials No / incomplete consent	May cause:	Major

Risk Factor – F9	How can this occur?	Impacts	Impact rating
x) Non-compliant pool barrier, unauthorised construction or lack of pool barrier	Poor audit / monitoring Poor or no maintenance on gates, landscaping, etc. No control of what happens on neighbouring property (boundary fences) Lack of awareness of risk No / incomplete consent	May cause:  • drowning or injury especially to young children	Extreme



Building Risk Factors – Insanitary Buildings

sk Factor – G1, G12; G13	How can this occur?	Impacts	Impact rating	
a) Insanitary due to lack of potable water supply or contaminated water	No connection to services Contamination of supply at source or by systems materials Lack of filtration Low rainfall No on site retention of water Failure to plan for growth Lack of resource consent Lack of public infrastructure provision Cost prohibitive private solutions Lack of awareness of potable standards No / incomplete consent	Cause ill health due to drinking water that is not potable     result in reliance on other methods for obtaining water	Moderate	
b) Insanitary due to drainage not functioning or non-existent drainage	Degradation due to age Poor material quality Poor workmanship Poor design Nearby works Failure to provide drainage solution Lack of resource consent Lack of public infrastructure provision Cost prohibitive private solutions Misunderstanding of sustainable solutions No / incomplete consent	May cause:-  • illness from insanitary material  • flooding  • damage to property	Moderate	
c) Insanitary due to drainage unauthorised discharge	Lack of resource consent Lack of public infrastructure provision Cost prohibitive private solutions No / incomplete consent	May cause:-      illness from insanitary material     flooding     damage to property     damage to environment	Major	
d) Insanitary due to not enough facilities for loads (e.g. toilets)	Overcrowding due to poverty Overcrowding at events Unexpected increase in user / visitor numbers Inappropriate use / purpose group No / incomplete consent	May:-  result in insanitary conditions being perpetuated due to alternative measures being used  cause environmental degradation cause illness	Moderate	



Risk Factor – E2, G1-3	How can this occur?	Impacts	Impact rating
e) Insufficient facility for loads on other sanitary fixtures (e.g. bath, shower, hand washing)	Overcrowding due to poverty Overcrowding at events Unexpected increase in user / visitor numbers Inappropriate use / purpose group No / incomplete consent	May:-  • result in insanitary conditions being perpetuated due to lack of facilities  • cause environmental degradation  • cause illness  • inability to wash	Minor
f) Moisture ingress or moisture levels too high	Degradation due to age and lack of maintenance Poor material quality Poor design / workmanship Natural hazard including flooding Willful damage Hazard zone not factored Fire / Flooding Relocation of building Lack of impervious surface walls, floors and structural elements in contact with the ground Spaces and cavities transmitting moisture and / or condensation No / incomplete consent	May cause:-     illness     damage to entire structure	Major
g) Insanitary due to nature of sanitation facility	Location of facility No / incomplete consent Degradation due to age and lack of maintenance Poor material quality Poor design / workmanship No / incomplete consent	not be able to clean facilities to an acceptable standard     cause illness	Moderate
h) Lack of laundering facilities	Inappropriate sanitary facility provision either for purpose or number No / incomplete consent	May cause:-	Insignificant



## RISK MATRIX ASSESSMENT TEMPLATE

Risk Factor	D, A or I	Impact rating	Likelihood	Risk Rating	Possible options for risk mitigation

## Key:

Impact rating: (1) insignificant (2) minor (3) moderate (4) major (5) extreme Likelihood: (A) almost certain (B) likely (C) possible (D) unlikely (E) rare Risk rating: very high, high, moderate, low