



Hurunui Post-Earthquake Recovery
Waste Management Guidelines for Home and
Building Owners
September 2017



On 14 November 2016, a magnitude 7.8 earthquake caused significant damage to land and property in the Hurunui.

The Hurunui District Council is working with those affected to monitor and advise on waste diversion and disposal, to ensure the inappropriate disposal of waste does not become a future legacy of the earthquake.

The council's vision is *'to ensure the safe, efficient and cost effective management of waste streams resulting from the November 2016 earthquake, to ensure the protection of the community and environment'*.

DEMOLITION – WHAT HOMEOWNERS SHOULD BE AWARE OF

Before demolition takes place, information needs to be gathered from several parties. If using a contractor, or project manager, it is likely they will do this on your behalf or you can contact the council for guidance. The following information will most likely be required:

1) Structural Engineer Report

Required in the following scenarios:

- If a property was red stickered.
- If the building is multi-story.
- If you intend to deconstruct the building by hand.

This form of report indicates potential hazards and risks associated with the deconstruction and demolition process. The report will outline whether:

- a) It is safe to enter.
- b) Entry can occur providing the conditions in the report are met.
- c) No entry is allowed.

2) Geotechnical Engineer Report

A chartered professional engineer or someone registered with the Institute of Professional Engineers New Zealand (IPENZ), should be appointed to produce this report to indicate issues with land subsidence, mass movement, cliff collapse and boulder roll.

It will also outline hazards and access restrictions associated with the property (not just the building). The report will outline whether: it is safe to enter the property, or if entry can occur providing the conditions in the report are met, or if no entry is allowed.

3) Assess for hazardous materials

This is an assessment of the building fabric undertaken to protect human health and prevent environmental contamination during the demolition process.

4) Asbestos survey

If access is available, an asbestos survey involves sampling of potential asbestos-containing materials for testing to outline whether asbestos is present.

Through funding obtained from the Ministry of the Environment, free asbestos inspections are available to homeowners in the district with properties requiring demolition as a direct result of the November 2016 earthquake. For further information, please contact Hurunui Council on 03 314 8816.

If asbestos is identified, a licensed asbestos removal contractor must be used for removal.

5) Asbestos Removal Plan (ARP)

An ARP will be required if you are unable to access your property and will outline the demolition process to mitigate risks to environmental and human health.

If a demo where asbestos is not removed prior to demolition is required, it is considered an emergency demolition by WorkSafe NZ and they must be notified.

6) New Zealand Historic Places Trust (NZHPT) Statement

This will outline whether the NZHPT have interests in the site (not always outlined in the Land Information Memorandum (LIM)).

7) Listed Land Use Register (LLUR) or Hazardous Activities and Industries List (HAIL) check

This will confirm whether the soil is known to be, or could be, contaminated. In addition, the following will need to be included in a demolition plan:

- A process detailing how the demolition will be undertaken, including machinery type and capability, along with the experience of operators and labourers.
- A Site Specific Safety Plan.
- Contractor insurance details.
- Any required protection measures for neighboring sites.
- A Waste Management Plan, including pathways and receiving environments.
- A Traffic Management Plan.
- Mitigation of environmental risks.

Demolition Checklist

- ✓ *Disconnect the electricity and gas.*
- ✓ *Disconnect the water supply; call the council for advice and assistance.*
- ✓ *Call the council to check if there are any protected trees on site.*
- ✓ *Safely remove hazardous material.*
- ✓ *Attend a pre site start up meeting to confirm all contract details and ensure you, and your contractor have a clear understanding of the scope of works.*

MANAGING HOUSEHOLD HAZARDOUS WASTES (HHW)

Given the property damage sustained from the earthquake, HHW requiring disposal will be found in homes, garages, farms, sheds and outbuildings. Property repair or demolition results in an increased need for disposal.

Such substances pose a risk to people and the environment if not managed correctly. Possible household hazardous substances include cleaning products, paints, garden fertilisers and pesticides, pool chemicals, engine oil, gas bottles and car batteries.

Presently paint, gas bottles, car batteries, fire extinguishers and lighting tubes are accepted at all transfer stations throughout the district, whilst engine oil is accepted at no charge at the Amberley, Cheviot and Culverden transfer stations.

Through funding from the Ministry of the Environment, for those properties requiring demolition due to the November 2016 earthquake, some household hazardous wastes can be collected from the property (for no charge) by contacting Hurunui Council on 03 314 8816 to book.

When booking a collection, an inventory of what is to be collected and the approximate volumes will be required. All containers must be secure and marked to identify the contents.

Safe Handling of HHW Checklist

- ✓ *Only domestic quantities up to 20 litres or 20kg of a single waste type, will be accepted.*
- ✓ *Label contents clearly, if you know what they are or if the original label is unclear.*
- ✓ *Ensure lids fit containers tightly.*
- ✓ *Transport containers upright, so they do not tip over or leak (in a box or tray).*
- ✓ *Place unsound containers in a heavy-duty plastic bag or bucket to prevent leaks.*
- ✓ *HHW will only be accepted during normal transfer station opening hours.*
- ✓ *Always follow the instruction of site staff and remember Hurunui Council reserves the right to refuse to accept HHW at its sites.*

Agricultural Chemicals

For rural properties, agricultural chemicals pose an additional risk. For information regarding the free or subsidised disposal of this waste stream, contact Agrecovery on **0800 247 326**.

Agricultural chemicals will not be accepted at any Hurunui Council transfer station. Empty agricultural chemical containers from participating organisations are accepted for recycling at Culverden transfer station and PGG in Amberley during scheduled opening hours.

ASBESTOS

Asbestos is a health hazard if you inhale the very fine fibres which can be created when you damage or disturb materials containing it. If work is not planned carefully and appropriate

precautions taken you may spread contamination and place others at risk. This can settle on carpets, drapes and soft furnishings and become airborne at a later date.

Where Can I Dispose of Asbestos?

- ✓ Bromley EcoDrop in Christchurch through prior arrangement
- ✗ Hurunui District Council Transfer Stations DO NOT accept Asbestos

Asbestos must be transported and handled in a safe and secure manner. Asbestos Aware strongly advises to always use an experienced asbestos removal company to undertake the removal, transportation and disposal.

Free Asbestos Inspections for Earthquake Damaged Hurunui Households

Funded via the Waste Minimisation Fund, for earthquake-damaged households, free asbestos inspections are available. For earthquake damaged homes, it may be possible to seek reimbursement of asbestos inspections; details can be obtained by calling the Council on 03 314 8816.

For information on managing, identifying and disposing of asbestos, visit the Asbestos Aware website on www.asbestosaware.co.nz or refer to those companies listed under *Useful Contacts* at the back of this booklet.

DEMOLITION WASTE

Demolition waste **can only be accepted** at the Council's Amberley transfer station, as the northern sites do not have weighbridge facilities or the infrastructure needed to manage such waste.

If a property is being demolished, the following steps must be followed.

1. Arrange for an asbestos inspection to be undertaken to determine whether the material should be disposed of as general or special waste. If demolition waste is delivered to Amberley, to meet health and safety requirements (and ensure the safety of other site users, the public and the contractors carting and managing the waste), paperwork confirming the absence of asbestos will need to be provided.
2. Book via Hurunui Council for any household hazardous wastes to be removed prior to demolition commencing. These can be collected from the property (for no charge) by contacting Hurunui Council on 03 314 8816 to book.

When booking a collection, an inventory of what is to be collected and the approximate volumes will be required. All containers must be secure and marked to identify the contents.

3. Waste can be transported direct to Kate Valley for disposal, but only by those companies who hold a current service level agreement with Canterbury Waste Services. For details regarding

who to contact, call Hurunui Council on 03 314 8816 or Canterbury Waste Services on 036 359 1800.

Should it be determined to appoint one of those companies able to deliver waste direct to Kate Valley, an asbestos inspection will still be required to determine whether the waste is to be disposed of as special or general waste.

For smaller volumes, waste can be transported in skips to Amberley. When demolishing a house, scrap metal can be segregated for delivery to Amberley transfer station for no gate fee. However, all other waste will be charged as per Councils current fees and charges.

CONTAMINATED LAND

Earthquake damaged land may be contaminated due to previous activities on it. A range of contaminants exist, which may cause adverse effects to human health if exposure occurs via contact through inhaling, consuming or through the skin. Effects may be immediate or long-term, depending on the contaminant and form of exposure.

Contamination can also be via ground or surface water and air due to a contaminant leaching into the environment; this will result in the cultural, recreational, social and environmental value decline of an area.

What should you do before starting work?

- Hurunui District Council and Environment Canterbury hold information of known Hazardous Activities and Industries activities, so begin by making contact with both authorities to check the status of the site.
- Check the Ministry for the Environment's Hazardous Activities and Industries List (HAIL) for the status of a site.
- If you have a project manager, they should be able to tell you the HAIL status of your land.
- Environment Canterbury will be able to provide details of those organisations qualified to undertake site investigations to determine whether a location is deemed a HAIL site.

Resources

- Environment Canterbury's Listed Land Use Register (LLUR).
- Hurunui District Council records.
- Environment Canterbury's Contaminated Sites specialists via Customer Services on 03 353 9007 or contaminated.land@ecan.govt.nz

RESOURCE CONSENTS

Earthquake recovery, demolition and waste management activities have the potential to affect environmental and human health, so are managed by legislation administered nationally or by regional and district councils.

Some activities are allowed without Council permission; others may require a resource consent. Some aspects of demolition and waste management are the responsibility of private landowners; others must be approved by Hurunui District Council. For guidance whether you need a consent and for general queries on rules and regulations, contact the Council or Environment Canterbury.

HURUNUI COUNCIL TRANSFER STATIONS OPERATING HOURS

Transfer Station	Days/Time accepted
Amberley Ph: 03 314 7778	Monday, Wednesday, Thursday & Friday: 10am - 4pm Saturday: 10am - 1pm
Cheviot	Tuesday, Thursday & Sunday: 10am - 1pm
Culverden	Wednesday, Saturday & Sunday: 2pm - 4pm
Waiau	Monday, Tuesday, Wednesday, Saturday & Sunday: 10am - midday
Hanmer Springs	Between the 6 th May and the 31 st August <ul style="list-style-type: none"> • Wednesday: 1pm - 4pm • Friday: 10am - 1pm • Sunday: 11am - 2pm Between the 1 st September and the 5 th May <ul style="list-style-type: none"> • Tuesday: 1pm - 4pm • Friday: 10am - 1pm • Saturday: 1pm - 4pm • Sunday: 11am - 3pm
Please note: <ul style="list-style-type: none"> • All transfer stations are <u>closed on public holidays</u>. • Payment by cash, cheque and eftpos accepted at all sites. • Demolition waste and skips are accepted at Amberley transfer station <u>only</u>. 	

USEFUL CONTACTS

Hurunui District Council	03 314 8816 or visit www.hurunui.govt.nz
Environment Canterbury	03 353 9007
WorkSafe	0800 030 040
Asbestos Aware	Via www.asbestosaware.co.nz
Hurunui Social Recovery Team	Rochelle Faimalo on 027 427 1087

COMPANIES QUALIFIED TO TEST FOR ASBESTOS

Company Name	Contact Information	Qualified to test (air and/or materials)	Accredited testing and analysis laboratory	Qualified to undertake soil testing
Capital Environmental Services	fibres@ihug.co.nz 04 566 3311		*	
CRL Energy Ltd	m.young@crl.co.nz 03 3412120 or 027 471 3165		*	
Dowdell and Associates	nfo@dowdellassociates.co.nz 09 526 0246		*	
Environmental & Industrial Analysis Group	jessica@eiag.co.nz 03 377 4314	*	*	*
Hill Laboratories	barbara.muller@hill-labs.co.nz 03 377 7176		*	*
K2 Environmental	info@k2.co.nz 03 384 8966	*	*	
Precise Consulting	admin@preciseconsulting.co.nz 03 943 5394	*	*	*
AANZ Canterbury	wayne.larmour@aanzcanterbury.kiwi.nz 027430-6716	*		
Agility Asbestos Remediation Solutions	sales@agbs.co.nz 03 389 2219	*		
Chem Safety	paul@chemsafety.co.nz 03 366 3700	*	*	*
ENGEO	goddy@engeo.co.nz or 03 3289012	*		*
International Construction Partners NZ Ltd	admin@icp-usa.com 03 967 1500	*		
Sephira Environmental Ltd	brett@sephira.nz 03 967 9523	*		*
TriEx Health, Safety & Wellness Ltd	enquiries@triex.co.nz 03 343 2997	*		
Wheelers Ltd -	info@wheelersltd.co.nz 0508 66 77 101 or 03 940 7180	*		
WorkSafe Canterbury	022 099 6764	*		