Dear Sir/Madam

Thank you for submitting your property enquiry in regards to our Listed Land Use Register (LLUR) which holds information about sites that have been used, or are currently used for activities which have the potential to have caused contamination.

The LLUR statement provided indicates the location of the land parcel(s) you enquired about and provides information regarding any LLUR sites within a radius specified in the statement of this land.

Please note that if a property is not currently entered on the LLUR, it does not mean that an activity with the potential to cause contamination has never occurred, or is not currently occurring there. The LLUR is not complete, and new sites are regularly being added as we receive information and conduct our own investigations into current and historic land uses.

The LLUR only contains information held by Environment Canterbury in relation to contaminated or potentially contaminated land; other information relevant to potential contamination may be held in other files (for example consent and enforcement files).

If your enquiry relates to a farm property, please note that many current and past activities undertaken on farms may not be listed on the LLUR. Activities such as the storage, formulation and disposal of pesticides, offal pits, foot rot troughs, animal dips and underground or above ground fuel tanks have the potential to cause contamination.

Please contact and Environment Canterbury Contaminated Sites Officer if you wish to discuss the contents of the LLUR statement, or if you require additional information. For any other information regarding this land please contact Environment Canterbury Customer Services.

Yours sincerely

Contaminated Sites Team
Statement from the Listed Land Use Register

Date: 20 September 2013
Land Parcels: Pt Lot 3 DP 2958
Valuation No(s): 2351017000

Summary of sites:

<table>
<thead>
<tr>
<th>Site ID</th>
<th>Site Name</th>
<th>Location</th>
<th>HAIL Activity(s)</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>3805</td>
<td>253 Russley Road</td>
<td>253 Russley Road, Harewood</td>
<td>A10 - Persistent pesticide bulk storage or use</td>
<td>Partially Investigated</td>
</tr>
</tbody>
</table>

Please note that the above table represents a summary of sites intersecting the area of enquiry within a 50m buffer.

Information held about the sites on the Listed Land Use Register

Site 3805: 253 Russley Road  (Intersects enquiry area.)

Site Address: 253 Russley Road, Harewood
Legal Description: Pt Lot 3 DP 2958

Site Category: Partially Investigated
Definition: Verified HAIL has been partially investigated.
Investigations

1 Mar 2010  INV 3112: Christchurch International Airport Ltd - Desk Based Ground Contamination Investigation - 253-269 Russley Road - Proposed Recall Warehouse
Tonkin and Taylor Ltd

Summary of investigation(s)

In March 2010 Tonkin and Taylor (T&T) conducted a preliminary desktop review for an area of Christchurch International Airport Limited owned land associated with a proposed construction of a Recall warehouse. Two properties were involved in the assessment, described as 253 Russley Road and 269 Russley Road. The size of the study area, defined as the expected footprint of the Recall development, was approximately 2.44 ha. For comparison, the total size of the two properties is 10.4 ha. With exception of a domestic dwelling on the eastern part of 253 Russley Road, the land is presently used for agricultural purposes. Waimari Creek runs through the south of 253 Russley Road and a water race channel flows along the north boundary of 269 Russley Road property.

Sources of information considered by the review included previous investigations, historical certificates of title, historical aerial photographs (dated 1950, 1950, 1961, 1973, 1984, and 2000), Christchurch City Council property information, and Environment Canterbury Listed Land Use Register. A site walkover was also conducted.

Two previous investigations were identified and briefly reviewed. A desktop review was undertaken on 253 Russley Road by Pattle Delamore Partners (PDP) in 1995. The PDP review found that the property was formerly owned by the Crown for railway purposes, and also identified previous land uses as pastoral farming and market gardening, but without specifying the relevant time periods. The second investigation, undertaken by Tonkin & Taylor in 2009, included collection and analysis of two surface samples within 269 Russley Road. The sample locations were positioned outside the study area. The two samples reportedly yielded heavy metal (arsenic, cadmium, copper, lead, nickel and zinc) concentrations below the expected background concentrations and organochlorine pesticide (OCPs) concentrations below unstated commercial/industrial criteria.

The review of historic certificates of title indicated that the two properties were formerly owned by farmers, and were transferred to the Crown in 1986, reportedly for railway purposes. The review of historical aerial photographs (dated between 1940 and 2000) indicated that the land has been predominantly used for general pastoral/agricultural purposes. In the 2000 aerial photograph an orchard/gardening area was visible at the rear part of 253 Russley Road. The feature was absent in the 1984 photograph. The orchard area is not visible in a 1995 aerial photograph, considered as part of Environment Canterbury's review of the report.

No sustained period of market gardening was noted in the review of aerial photographs taken between 1940 and 1984. Instead, the review of historical certificates and aerial photographs indicates that the land has been used for general agricultural purposes. The analytical results of soil sampling from 269 Russley Road reported low concentrations of metals and OCP residues. The report states that the establishment of an orchard/market garden area on the rear part of 253 Russley Road occurred after the introduction of restrictions on use and purchase of OCPs, and hence the widespread use of such products was unlikely. While their use and purchase was restricted, the majority of OCPs were not deregistered in New Zealand until 1990, and endosulfan was not banned until 2009. Therefore the possibility for persistent chemicals to be present within the soil at this location has not been adequately investigated.

It is proposed that the recent orchard area be entered onto the Listed Land Use Register and classified as Partially Investigated (LLUR Site Number 3805). The preliminary review did not detect any specific potentially contaminating activities on 269 Russley Road, the property therefore will not be registered onto the LLUR.
For further information from Environment Canterbury, contact the Contaminated Sites Officer and refer to enquiry number 20758.

Disclaimer:

The enclosed information is derived from Environment Canterbury’s Listed Land Use Register and is made available to you under the Local Government Official Information and Meetings Act 1987 and Environment Canterbury’s Contaminated Land Information Management Strategy (ECan 2009).

This information reflects Environment Canterbury’s current understanding of this site, which is based only on the information thus far obtained by it and held on record concerning this site. It is released only as a copy of those records and is not intended to provide a full, complete or totally accurate assessment of the site. As a result, Environment Canterbury is not in a position to warrant that the information is complete or without error and accepts no liability for any inaccuracy in, or omission from, this information.

Any person receiving and using this information is bound by the provisions of the Privacy Act 1993.
Site categories and definitions

Following verification of a Hazardous Activities and Industries List (HAIL) site with the property owner, Environment Canterbury assigns the site a category on the Listed Land Use Register.

If analytical information from the collection of samples is not available, and the presence or absence of contamination has therefore not been determined, the site is registered as:

Not investigated:
A site whose past or present use has been reported and verified as one that appears on the Hazardous Activities and Industries List (HAIL); and,
The site has not been subjected to investigation including, but not limited to, sampling and analysis of site related soil, water and/or ambient air, and assessment of the associated analytical data.
This category is for sites for which it is known that an activity or use as defined in the HAIL has taken place on the site, but there is insufficient information to characterise any risks to human health or the environment from those activities undertaken on the site. Contamination may have occurred, but should not be assumed to have occurred.

If analytical information from the collection of samples is available the site can be registered in one of six ways:

At or below background concentrations:
The site has been investigated or remediated. The investigation or post remediation validation results confirm that there are no hazardous substances above local background concentrations. Local background concentrations are those that occur naturally in the area. The investigation or validation sampling has been sufficiently detailed, in terms of locations sampled and analytes tested, to characterise the site.

Below guideline values for <land use>:
The site has been investigated. The investigation sample results show that there are hazardous substances present at the site, but indicate that any adverse effects or risks to people and/or the environment are considered to be so low as to be acceptable. The site may have been remediated to reduce contamination to this level, and samples taken after remediation confirm this.

Managed for <land use>:
The site has been investigated. Investigations show that there are hazardous substances present at the site in concentrations that have the potential to cause adverse effects or risks to people and/or the environment. However, those risks are considered managed because:
i) the nature of the use of the site prevents human and/or ecological exposure to the risks; and/or
ii) the land has been altered in some way and/or restrictions have been placed on the way it is used which prevent human and/or ecological exposure to the risks.

Partially investigated:
The site has been partially investigated. Investigations have been conducted that:
i) demonstrate that there are hazardous substances present at the site; however, there is insufficient information to quantify any adverse effects or risks to people or the environment; or
ii) do not adequately verify the presence or absence of contamination associated with all HAIL activities that are and/or have been undertaken on the site.

Significant adverse environmental effects:
The site has been investigated. Results show that sediment, groundwater or surface water contains hazardous substances that:
i) have significant adverse effects on the environment; or
ii) are reasonably likely to have significant adverse effects on the environment.

Contaminated (for <land use>):
The site has been investigated. Contaminated land means that has a hazardous substance in or on it that:
(a) has significant adverse effects on the environment; or
(b) is reasonably likely to have significant adverse effects on the environment.

(s2 RMA 1991)

Please contact Environment Canterbury for further information:
(03) 353 9007 or toll free on 0800 EC INFO (32 4636)
or email ecinfo@ecan.govt.nz