

ANNEXURE 11

CONTAMINATED LAND MANAGEMENT GUIDELINES



CONTAMINATED LAND MANAGEMENT GUIDELINES - SCHEDULE A HAZARDOUS ACTIVITIES AND INDUSTRIES LIST (HAIL)

January 2004

The Hazardous Activities and Industries List (HAIL) is a compilation of activities and industries that are considered likely to cause land contamination resulting from hazardous substance use, storage or disposal. The HAIL is a revision of the list of industrial activities first published in the ANZECC (1992) Guidelines. The HAIL is intended to identify most situations in New Zealand where hazardous substances could cause, and in many cases have caused,

land contamination.

From time to time the HAIL may be added to, so users should always check the latest version of Schedule A - available at www.mfe.govt.nz. Whenever Schedule A is referenced it should be accompanied by the date of publication.

In some cases a generic activity involving hazardous substances is listed, irrespective of the industry, for example, petroleum storage. In other cases, an industry is listed on the basis that certain activities typical of that industry involve storage, use, or disposal of hazardous substances, and therefore all sites within that industry should be considered - for example the timber treatment industry. In other cases, particular activities are a small part of a particular industry, with the activity generally localised within larger sites. For example, animal dip sites are listed, but farming is not because dip sites are only a small part of a farm and farming, in general, does not have a high potential to be contaminating over the complete farm.

The HAIL should be used for consistently reporting on site history (see Contaminated Land Management Guidelines No.1: Reporting on Contaminated Sites in New Zealand, MfE 2003) and for identifying sites for inclusion on local government Land Use Registers (Contaminated Land Management Guidelines No.4: Classification and Information Management Protocols, MfE in preparation).

Reference:

ANZECC (1992), Australian and New Zealand Guidelines for the Assessment and Management of Contaminated Sites, Australian and New Zealand Environment and Conservation Council, National Health and Medical Research Council.



HAZARDOUS ACTIVITIES AND INDUSTRIES LIST (HAIL)

This Hazardous Activities and Industries List defines industries and activities which typically use or store hazardous substances that could cause contamination if these substances escaped from safe storage were disposed of on the site, or were lost to the environment through their use. The fact that an activity or industry appears on the list does not mean that hazardous substances were used or stored on all sites occupied by that activity or industry, nor that a site of this sort will have hazardous substances present in the land. The list merely indicates that such activities and industries are more likely to use or store hazardous substances and therefore there is a greater probability of site contamination occurring than other uses or activities. Conversely, an activity or industry that does not appear on the list does not guarantee such a site will not be contaminated. Each case must be considered on its merits, considering the information at hand. In applying the list, it must be remembered that the activity may only have occupied a small part of the site, and therefore the possibility of contamination will also be for a small part of the site.

1. Abrasive blasting - carrying out abrasive blast cleaning (other than cleaning carried out in fully enclosed booths) or disposing of abrasive blasting material.
2. Acid/alkali plant, formulation and bulk storage.
3. Agrichemical spray contractor's premises used for filling and washing out tanks for commercial agrichemical application.
4. Airports - fuel storage, workshops, washdown areas, stormwater runoff from hardstanding.
5. Analysts - commercial analytical laboratory sites.
6. Asbestos products production, use, and disposal. Also sites with buildings containing asbestos products known to be in a deteriorated condition.
7. Asphalt or bitumen manufacture or bulk storage - manufacturing asphalt or bitumen, or bulk storage of these products, other than at a single-use site used by a mobile asphalt plant.
8. Battery manufacture or recycling - assembling, disassembling, manufacturing or recycling batteries (other than storing batteries for retail sale).
9. Brake lining manufacturers, repairers and recyclers.
10. Cement or lime manufacturing - manufacturing cement or lime from limestone material using a kiln and storing wastes from the manufacturing process.
11. Cemeteries
12. Chemical manufacture and formulation and bulk storage such that landuse consent is required.
13. Coal and coke yards.
14. Concrete manufacture and bulk cement storage
15. Defence works and defence establishments, including ordinance storage and training areas where live firing is carried out.
16. Drum and tank reconditioning or recycling.
17. Dry cleaning plants - restricted to premises where dry cleaning is carried out and solvents are stored.
18. Electrical transformers - manufacturing, repairing or disposing of electrical transformers or other heavy electrical equipment.
19. Electronics - manufacturing & reconditioning
20. Engine reconditioning - use of solvents and degreasers
21. Explosive production or bulk storage
22. Fertiliser manufacture - manufacturing or bulk storage of agriculture fertiliser.
23. Foundry operations - commercial production of metal products by injecting or pouring molten metal into moulds and associated activities.



ANNEX 11

24. Gasworks - manufacture of town gas from coal or oil feedstocks.
25. Gun, pistol or rifle ranges or areas with lead shot deposition
26. Iron and steel works
27. Landfill sites
28. Livestock dip or spray race operations
29. Market gardens, orchards, glass houses or other areas where the use of persistent agricultural chemicals occurred.
30. Metal treatment or coating - including polishing, anodising, galvanising, pickling, electroplating, heat treatment using cyanide compounds and finishing, curing works or commercially finishing leather.
31. Mining and extractive industries and mineral processing - including chemically or physically extracting metalliferous ores, exposure of faces or release of groundwater containing hazardous contaminants and storing hazardous wastes, including waste dumps and tailings dams, but not gravel extraction (just note that these areas can be included because of fuel storage).
32. Motor vehicle workshops
33. Paint manufacture and formulation
34. Pest control - commercially operating premises (or former pest destruction board, now regional council sites) where storage and preparation of pesticide occurs, including preparation of poisoned baits and filling or washing of tanks.
35. Pesticide manufacture (including animal poisons, insecticides, fungicides and herbicides) - commercially manufacturing, blending, mixing or formulating pesticides.
36. Petroleum or petrochemical industries or storage, including oil production and operating a petroleum depot, terminal, blending plant or refinery, retail or commercial refuelling facility, and facilities for recovery, reprocessing or recycling petroleum based materials and bulk storage above and below ground.
37. Pharmaceutical manufacture - commercially manufacturing, blending, mixing or formulating pharmaceuticals, including animal remedies and illicit drug manufacturing.
38. Port activities - including dry docks and ship and boat maintenance facilities.
39. Power stations and switchyards
40. Printing - commercial printing, using metal type, inks and dyes, or solvents.
41. Railway yards - operating a railway yard including goods-handling yards, workshops, refuelling facilities and maintenance areas.
42. Sawmills - use of antiseptics during milling
43. Scrap yards - operating a scrap yard including automotive dismantling or wrecking yard or scrap metal yard.
44. Service stations
45. Smelting or refining - fusing or melting metalliferous ores or refining the metal.
46. Tannery, fellmongery or hide curing - operating a tannery or fellmongery or hide curing works or commercially finishing leather.
47. Transport depots
48. Storage tanks and drum storage for fuel, chemicals and liquid waste.
49. Waste storage, treatment and/or disposal including land disposal of wastes, but not the use of biosolids as soil conditioners.
50. Wood treatment and preservation and bulk storage of treated timber.
51. Wool, hide and skin merchants (e.g. drying, scouring).



52. Any site that has been, or could be, subject to the migration of hazardous substances from hazardous substances present in soil or water on adjacent sites.
53. Any other facility or activity that stores, uses or disposes of hazardous substances, in sufficient quantity that intentional or accidental discharge of the substance could be a risk to human health or the environment.

