

riskCARE™ & infoCARE™ Fact Sheet

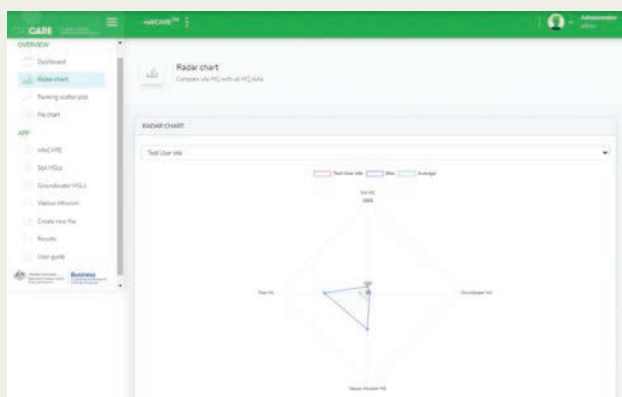


riskCARE and infoCARE provides a nationally consistent system to efficiently and effectively assess site contamination.

What is it?

riskCARE™

riskCARE is an online site assessment tool that determines whether site contamination poses an actual or potential risk to human health and the environment, on or off the site, of sufficient magnitude to justify remediation suitable to the existing or proposed land use. riskCARE uses extensive implementation information from the National Environment Protection (Assessment of Site Contamination) Measure to assess site contamination.



infoCARE™

infoCARE is a database and search engine within riskCARE that provides information on health investigation levels (HILs) for regulated contaminants in soil, groundwater, and vapour intrusion. Users can search for contaminants by entering the analyte's name or skimming through the contaminant catalogue.

What problem does it solve?

riskCARE applies risk/hazard quotient (HQ) and total risk/hazard index (THI) to evaluate and rank contaminated sites

HQ for each contaminant is calculated using the ratio of real measurement result against the regulated HSLs for different generic land-use settings. The HQs for each contaminant can be summed to produce a THI:

$$HQ = \text{Value contaminant} / \text{HSL}$$

$$THI = \sum HQs$$

The higher THI, the greater the environmental risk, prompting authorities to take action.



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Improving our approach

riskCARE and infoCARE provides a nationally consistent system to efficiently and effectively assess site contamination.

This ensures that the community – which includes regulators, site assessors, environmental auditors, landowners, developers, and industry – follows acceptable environmental management practices.



Advantages of the system

Convenience

As a 'one stop shop' for contaminated site assessment. The system does all the searching of the HSLs for the regulated contaminants and calculation of the hazard quotients.



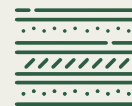
Prioritisation

The system provides statistical analysis for contaminated site management. Users can compare and rank their sites based on the values of each HQ and the THI.



Comprehensiveness

The system provides the HSL values and HQ calculation for most of the regulated contaminants in soil, soil vapour and groundwater. A radar plot with total HQ (or THI), soil HQ, groundwater HQ and vapour intrusion HQ is provided for each evaluated site.



How do I get hold of riskCARE & infoCARE?

riskCARE and infoCARE have been developed by crcCARE as part of a suite of tools that provide a one-stop shop for environmental management.

riskCARE and infoCARE are freely available at www.crccaretools.com.au

For further information contact Dr Liang Wang at liang.wang@newcastle.edu.au



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