

# CLEA

## Contaminated Land Exposure Assessment

The model is based upon a series of Contaminated Land Reports.

### DEVELOPED BY

The Department for Environment, Food and Rural Affairs and the Environment Agency.

### PURPOSE

To provide "...interested parties with relevant, appropriate, authoritative and scientifically based information and advice on the assessment of risks arising from the presence of contamination in soils." (CLR7, 1.1)

### SCOPE

The assessment of risks to *human* health arising from the long term effects of contaminated *land*.

### DOCUMENTARY FRAMEWORK

It is intended to be used to implement the current legislation, specifically Part IIA of the Environmental Protection Act 1990 (the contaminated land regime).

It replaces the ICRL values, although as yet soil guideline values have been determined for only a limited number of the more common contaminants. Reference will therefore need to be made to other good practice guidance when considering contaminants for which SGV's have not yet been determined.

### SOIL GUIDELINE VALUES, (SGV's)

These values, to be used to assess the risk to human health, are based upon what is an incomplete understanding of contaminant behaviour and human activity patterns. Different values have been set for various end uses, as clearly behaviour patterns in a garden are different from those at commercial premises. It is not intended that these values are used as absolutes but with professional judgement based on an understanding of the derivation of the values and the specific circumstances of each site.

SGV's have been developed for arsenic, benzo[a]pyrene, cadmium, chromium, inorganic cyanide, lead, phenol, nickel, mercury and selenium