

## INTERPRETATION SHEET 1

Traditional analysis of solid soil samples (former ICRL analysis suite)

### 1. Contaminants which may pose a hazard to human or animal health

	A Maximum Permitted Value	B Tolerable in Occasional Isolated Samples
Arsenic	40	60
Cadmium	5	10
Hexavalent chromium	40	60
Total chromium	600	1000
Lead	600	1000
Mercury	3	6
Selenium	4	7

### 2. Contaminants which damage farm crops and other plants

Boron	6	9
Copper	200	250
Nickel	120	150
Zinc	550	700

### 3. Organic contaminants commonly associated with coal mining sites

PAHs (total)	120	500
Monohydric Phenols	10	40
Free cyanide	50	150
Complex cyanides	300	500
Thiocyanate	75	100
Sulphate	5000	7500
Sulphide	350	700
Sulphur	7500	10000
TPH	500	1000
Solvent extractable matter	4000	5000
Toluene extractable matter	4000	5000
Organic carbon	5	7
Organic matter	9	12
Loss on ignition (LOI)	10	13
pH not less than	6	5
pH not greater than	8	8.4

All reporting units are as mg/kg apart from pH, (no units), organic carbon, organic matter and loss on ignition (all three as %)