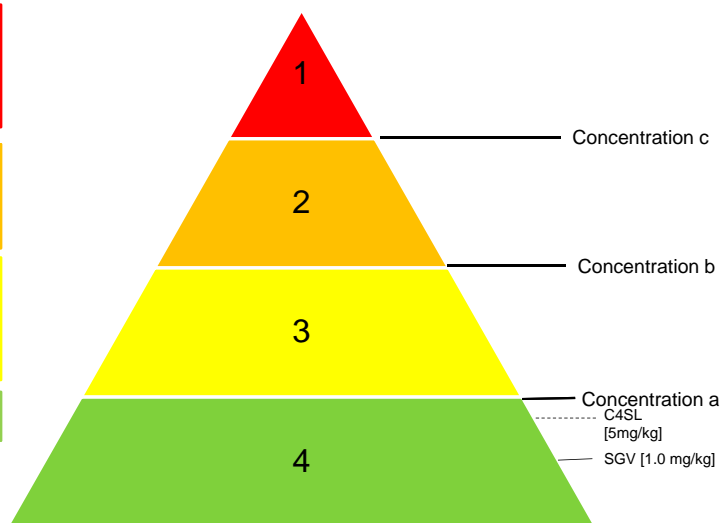# Category 1 to 4 Screening Values
A discussion

For residential land use with plant up-take
Contaminant type: Benzo(a)pyrene

Category 1
Significant possibility of significant harm because there is an unacceptably high probability supported by robust science based evidence that significant harm would occur if no action is taken to stop it.

Category 2
There is a strong case that the land poses SPOSH and there is a strong case for taking action under Part 2A on a precautionary basis.

Category 3
The strong case that the land poses SPOSH does not exist and therefore the legal test for SPOSH is not met. The risks may not be low but regulatory intervention under Part 2A is not warranted.

Category 4
There is no risk or the risk is low

1

2

3

4

Concentration c

Concentration b

Concentration a
C4SL [5mg/kg]

SGV [1.0 mg/kg]

All concentrations in mg/kg
"Average" concentration

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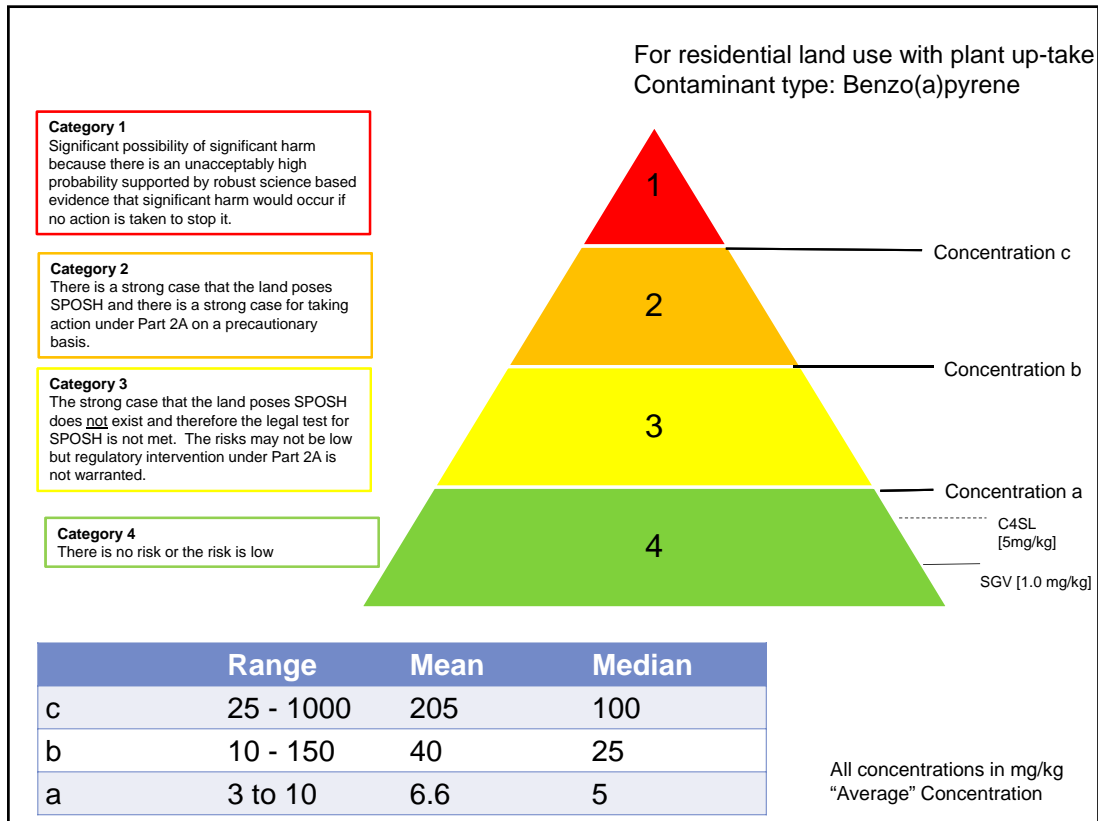
Category 2
There is a strong case that the land poses SPOSH and there is a strong case for taking action under Part 2A on a precautionary basis.

Category 3
The strong case that the land poses SPOSH does not exist and therefore the legal test for SPOSH is not met. The risks may not be low but regulatory intervention under Part 2A is not warranted.

Category 4
There is no risk or the risk is low

Pyramid: 1 — Concentration c; 2 — Concentration b; 3 — Concentration a; 4 — C4SL [5mg/kg]; SGV [1.0 mg/kg]

	Range	Mean	Median
c	25 - 1000	205	100
b	10 - 150	40	25
a	3 to 10	6.6	5

All concentrations in mg/kg
"Average" Concentration

Category 1 to 4 Screening Values Discussion

1. What do we all think
2. Are C4SLs useful – if so how
3. Do we need C4SLs for (all) common determinands
4. What can we do to achieve some consistency regarding the critical value for concentration b [ie Category 2 site and Determination]?
5. Do we need advice re. Screening Values for Concentration c [ie Category 1 site]
6. What are our priorities and how do we make any of this happen?
7. How could the work be funded