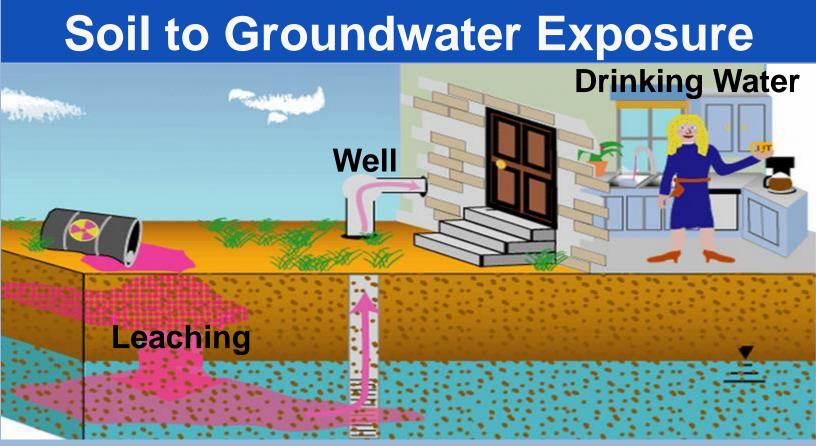


# Preliminary Remediation Goals (PRG) Calculator

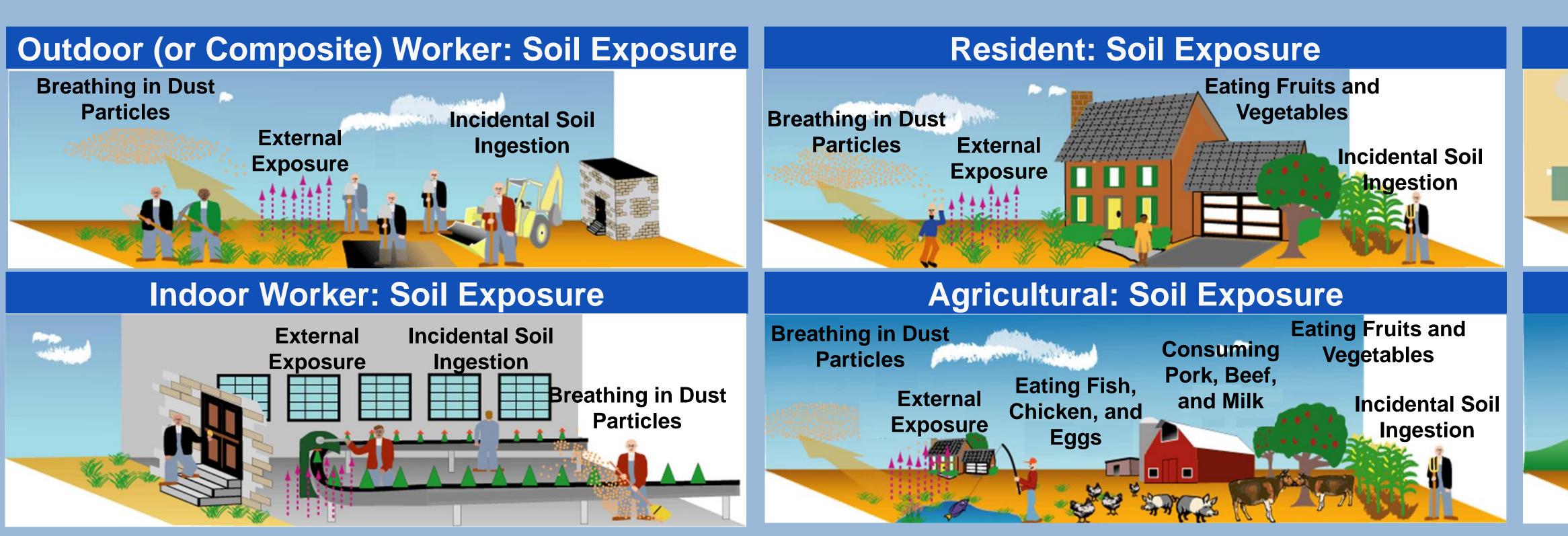
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### What is **PRG**?

- PRG stands for **Preliminary Remediation Goal**.
- PRGs are the initial cleanup goals at  $\bullet$ a Superfund site and usually are not final cleanup levels.
- Used when there is no appropriate  $\bullet$ government regulation of cleanup levels.



- risk of 10<sup>-6</sup>.
- the diagrams below.



### **PRG Calculator**

• The **PRG Calculator** is a tool that allows EPA to calculate initial cleanup levels for radiation in soil, water, and air at Superfund sites.

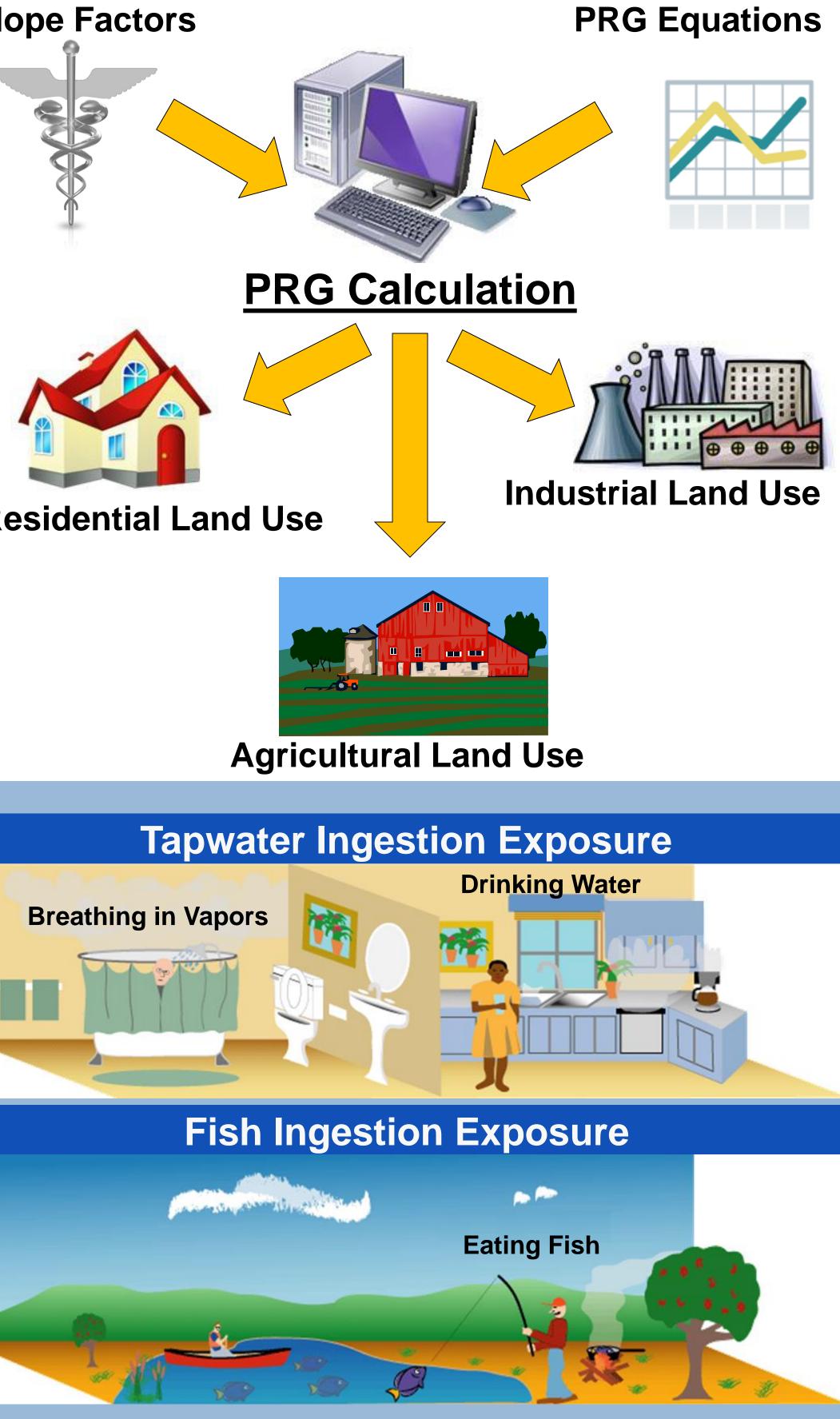
• Uses slope factors to calculate cleanup levels based on a target cancer

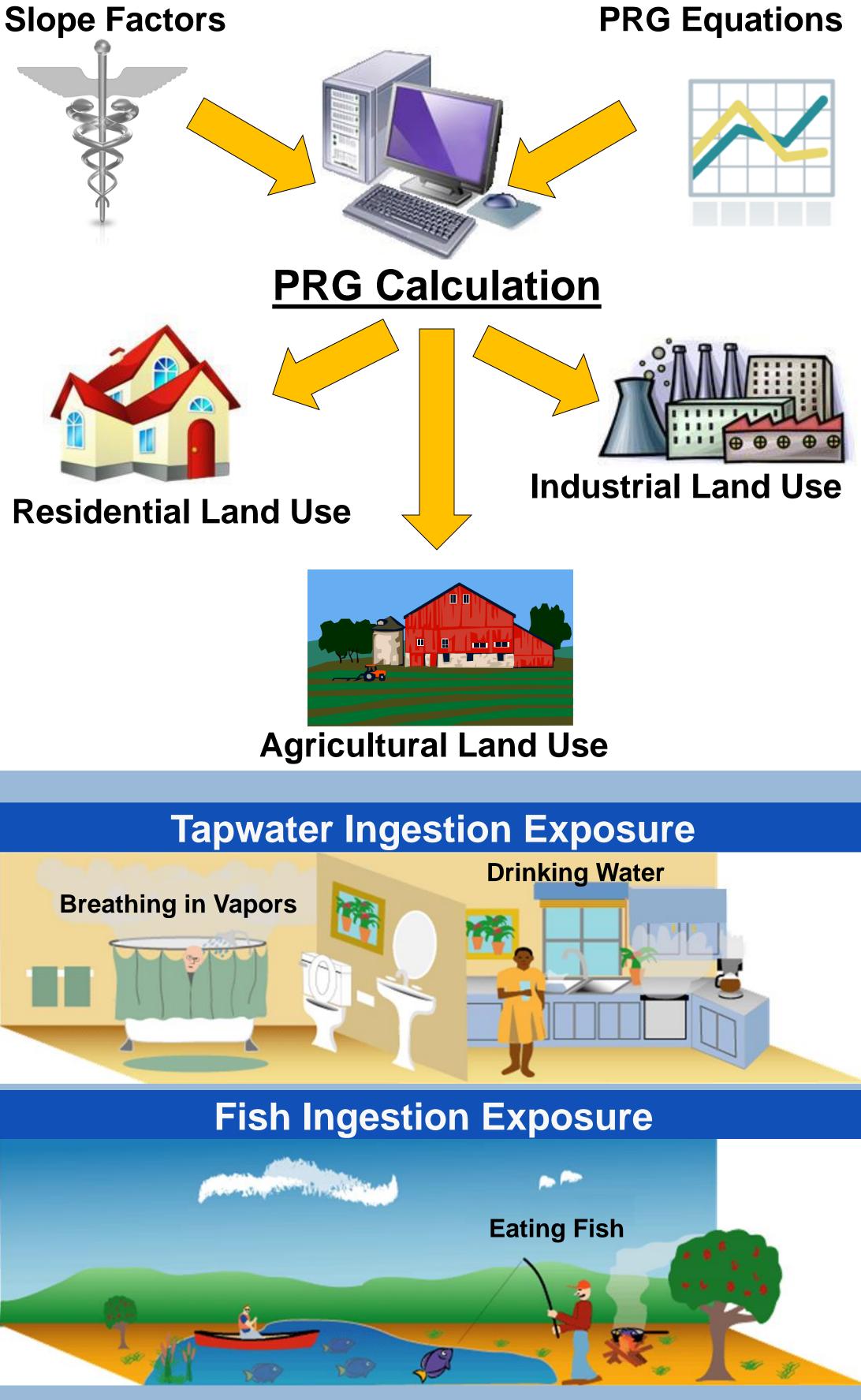
• **Slope factors** provide cancer risk posed by lifetime exposure to specific radionuclides. Slope factors also take into account the type of exposure (inhalation, ingestion, or external) and amount of exposure. For example, a resident on a site would expect to have a different exposure level than a worker on the same site.

• Target cancer risk of 10<sup>-6</sup> means that a person exposed to the contamination has a one in a million chance of developing cancer. (Target is based on highest estimated level of exposure. Most people will have less of a chance of developing cancer.)

• The exposure pathways calculated by the PRG calculator are shown in









**PRG**: http://epa-prgs.ornl.gov/radionuclides



## How does the PRG Calculator Work?