

Building Preliminary Remediation Goals (BPRG) Calculator

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What is **BPRG**?

- BPRG stands for **Building Preliminary Remediation Goal**.
- BPRGs are the initial cleanup goals \bullet for contamination inside of buildings at a Superfund site and usually are not final cleanup standards.
- Used when there is no appropriate lacksquaregovernment regulation of cleanup levels.
- Used for residential and \bullet commercial/industrial indoor worker exposure.



- cancer risk of 10⁻⁶.



BPRG Calculator

• The **BPRG Calculator** is a tool that allows EPA to calculate radiation cleanup levels inside of buildings at Superfund sites.

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

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 the 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 10⁻⁶ 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 used by the BPRG calculator are shown in the diagrams below.









BPRG: http://epa-bprg.ornl.gov

