

BRUHN  
**NEWTECH**  
LIFE SAVING SOFTWARE SOLUTIONS

# How to Set Up Background Radiation



[www.bruhn-newtech.com](http://www.bruhn-newtech.com)

# Set Up Background Radiation RAD

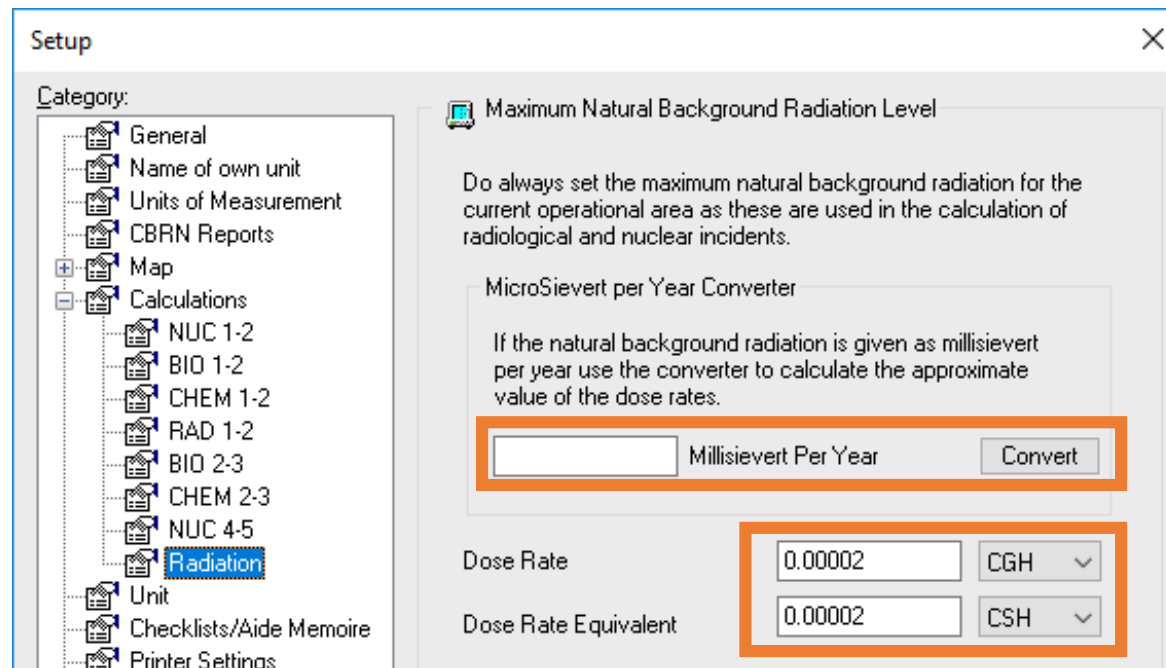
To calculate the contour of an artificial radiation, the natural background radiation must be eliminated

This is done by setting the local background radiation level to the value given for the operations area, which will eliminate all readings at and below the set value

If the background radiation level is not known the program will use the default recommended level set in ATP-3.8.1, which is 0,00002 CGH

# Set Up Background Radiation RAD

To ease the determination of the local background radiation level it can be converted from millisievert per year, which is often used to indicate the maximum acceptable level for the population in a nation



# Threshold Setting CBRN 5 RAD Contours

When calculating CBRN 5 RAD contours for a single CBRN 2 RAD, the program will initially **display** all the readings, but only readings **above** the set background radiation level will be **allocated** to the calculated CBRN 5 RAD report

However, the **actual contour** will be calculated as a convex hull based on readings at least 10 times higher than the set background radiation level.

The **threshold for the contour** will therefore (as default) be calculate based on readings higher than 0,0002 CGH