

# US DOE

United States Department of Energy - Graded Approach

In the USA, the United States Department of Energy (US DOE) has published biota protection guidelines and dose rates ([USDOE 1993](#); [USDOE 2008](#)).

## Documentation on the US DOE Graded Approach

[USDOE, 2002](#). A Graded approach for evaluating radiation doses to aquatic and terrestrial biota. Technical standard DOE-STD-1153-2002, Modules 1-3, United States Department of Energy, Washington D.C.

[USDOE, 1993](#). Radiation protection of the public and the environment, DoE Order 5400.5, United States Department of Energy, Washington D.C.

[USDOE, 2008](#). Environmental protection program, DOE Order 450.1A. United States Department of Energy, Washington D.C.

Jones, D., Domotor, S., Higley, K., Kocher, D., Bilyard, G., 2003.  
Principles and issues in radiological ecological risk assessment  
*Journal of Environmental Radioactivity*, 66, 19-39  
[Abstract](#)

Higley, K.A., Domotor, S.L., Antonio, E.J., Kocher, D.C., 2003.  
Derivation of a screening methodology for evaluating radiation dose to aquatic and terrestrial biota  
*Journal of Environmental Radioactivity*, 66, 41-59  
[Abstract](#)

Higley, K.A., Domotor, S.L., Antonio, E.J., 2003.  
A kinetic-allometric approach to predicting tissue radionuclide concentrations for biota.  
*Journal of Environmental Radioactivity*, 66, 61-74.  
[Abstract](#)

Higley, K.A., Domotor, S.L., Antonio, E.J., 2003.  
A probabilistic approach to obtaining limiting estimates of radionuclide concentration in biota  
*Journal of Environmental Radioactivity*, 66, 75-87  
[Abstract](#)