**Environmental research at Southampton**

**– four decades of environmental radioactivity**

Phillip E. Warwick

*GAU Radioanalytical, University of Southampton, NOCS, Southampton, SO14 3ZH, UK*

*pew2@soton.ac.uk*

The environmental radioactivity laboratories at Southampton were founded in 1987 in response to the Chernobyl accident and the demand for independent environmental monitoring. Since then, the laboratory has been involved with a wide range of research in environmental monitoring and remediation and in the use of radiotracers to study environmental processes. An overview of this research is presented along with a discussion on future research directions supporting nuclear decommissioning, new build and waste disposal.