

# Peer Review of the RPII's Environmental Monitoring Programme 2009

## Supplementary Document

### S2. Relevant RPII Reports, Journal Articles, Conference Papers and General Articles

#### 1. RPII Monitoring Reports

Fegan, M., Dowdall, A., Hanley, O., Hayden, E., Kelleher, K., Long, S., Smith, V., Somerville, S., Wong, J. and Pollard, D., 2008. Radioactivity Monitoring of the Irish Environment 2007, RPII-08/02.

Smith, V., Dowdall, A., Fegan, M., Hayden, E., Kelleher, K., Long, S., McEvoy, I., Somerville, S., Wong, J. and Pollard, D., 2007. Radioactivity Monitoring of the Irish Environment 2006, RPII-07/03.

Ryan, R.W., Dowdall, A., Fegan, M.F., Hayden, E., Kelleher, K., Long, S., McEvoy, I., McKittrick, L., McMahon, C.A., Murray, M., Smith, K., Sequeira, S., Wong, J. and Pollard, D., 2007. Radioactivity Monitoring of the Irish Environment 2003-2005, RPII-07/01.

Long, S., Ryan, T.P., Sequeira, S., Fegan, M., Smith, K., Dowdall, A., Murray, M., Hayden, E., Mc Kittrick, L., Wong, J., Dawson, D., Howett, D. and Colgan, P.A., 2005. Environmental Radioactivity Surveillance Programme 2001 and 2002, RPII-05/2

McMahon, C.A., Long, S., Ryan, T.P., Fegan, M., Sequeira, S., Dowdall, A., McKittrick, L., Wong, J., Hayden, E., Murray, M., Colgan, P.A. and Pollard, D., 2005. Radioactivity Monitoring of the Irish Marine Environment 2002, RPII-05/3.

Ryan, T.P., McMahon, C.A., Dowdall, A., Fegan, M., Sequeira, S., Murray, M., McKittrick, L., Hayden, E., Wong, J. and Colgan, P.A., 2003. Radioactivity monitoring of the Irish marine environment 2000 and 2001, RPII-03/3.

Ryan, T.P., Sequeira, S., Smith, V., Fegan, M., Hayden, E., Murray, M., Dowdall, A., Howett, D., Pollard, D. and Cunningham, J.D., 2002. Environmental Radioactivity Surveillance Programme 1999 and 2000, RPII-02/2.

Ryan, T.P., Long, S., Dowdall, A., Hayden, E., Smith, V., Fegan, M., Sequeira, S., Pollard, D. and Cunningham, J.D., 2000. Radioactivity Monitoring of the Irish Marine Environment 1998 and 1999, RPII-00/1.

Sequeira, S., Pollard, D., Smith, V., Howett, D., Hayden, E., Fegan, M., Dowdall, A., Brogan, B., O'Colmáin, M. and Cunningham, J. D., 1999. Environmental Radioactivity Surveillance Programme 1997 and 1998, RPII-99/2.

## **2. Other RPII Reports**

Clyne, F.J., Garrod, C.J., Jeffs, T.M. and Jenkinson, S.B., 2009. An assessment of aquatic radiation pathways in Ireland, 2008. Environment Report RL 16/08. Cefas contract report C3030 conducted on behalf of the Radiological Protection Institute of Ireland.

Colgan, P.A., Organo, C., Hone, C. and Fenton, D., 2008. Radiation Doses Received by the Irish Population, RPII 08/01.

Organo, C. and Fenton, D., 2008. Radiological assessment of NORM Industries in Ireland – Radiation doses to workers and members of the public.

Hone, C.P., McMahon, C.A., McGinnity, P., Colgan, P.A. and Kelly, M., 2007. Visit of the Radiological Protection Institute of Ireland to the Wylfa Nuclear Power Plant, RPII-07/02.

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Colgan, P.A., Pollard, D., Hone, C., McMahon, C. and McGarry, A.T., 2005. Report of the RPII Visit to BNFL Sellafield, RPII 05/01.

Ryan, T.P., Sequeira, S., McKittrick, L. and Colgan, P.A., 2003. Radon in Drinking Water in Co. Wicklow – a Pilot Study, RPII –03/1.

J.D. Cunningham, MacNeill, G. and D. Pollard, 1987. Chernobyl – Its Effects on Ireland.

Mitchell, P. I., Vives I Batlle, J., Ryan, T. P., McEnri, C., Long, S., O'Colmain, M., Cunningham, J. D., Caulfield, J. J., Larmour, R. A. and Ledgerwood, F. K., 1992. Artificial Radioactivity in Carlingford Lough. RPII, Dublin.

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O'Sullivan, M., McGarry, A.T., Lyons, S., McEnri, C. and Cunningham, J.D., 1995. Radioactivity Monitoring in Irish Upland Lakes 1988 - 1992, RPII-95/1. RPII, Dublin.

### **3. Journal Articles and Conference Papers**

#### **3.1 Marine Monitoring**

Smith, V., Fegan, M., Wong, J. and Long, S., 2009. The dose to Irish seafood consumers from Technetium-99. *Radioprotection*, 44, 5 p. 425-49.

Jones, D.G., Kershaw, P.J., McMahon, C.A.\*, Milodowski, A.E., Murray, M.\*, Hunt, G.J., 2007 Changing patterns of radionuclide distribution in Irish Sea subtidal sediments. *Journal of Environmental Radioactivity*, 96, (1-3), July-September 2007, p.63-74.

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Ryan, T.P., 2002. Implementation of the OSPAR strategy with regard to radioactive substances – an Irish perspective. *Nuclear Energy*, 41, (5) Oct., p. 347-351.

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Ryan, T.P\*., Germain, P., Dowdall, A.M., Leclerc, G., Pollard, D\*., 1997. A comparison of  $^{210}\text{Po}$  in *Mytilus edulis* and *Fucus vesiculosus* in French and Irish coastal waters. *Radioprotection - Colloques*, 32, p. 345-351.

Ryan, T.P., Dowdall, A.M., McGarry, A.T., 1997. Polonium-210 uptake by *Mytilus edulis* (L.) in Irish estuarine and inshore waters. In: *Freshwater and Estuarine Radioecology*, ed. Desmet, D. p. 419-424.

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### 3.2 Terrestrial Monitoring

Smith, K., Murray, M., Wong, J., Long, Colgan, P.A., Rafferty, B., 2005. Krypton-85 and other airborne radioactivity measurements throughout Ireland. *Radioprotection*, Suppl. 1, 40, p. S457-S463.

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### 3.3 Secondary Use of Marine Monitoring Data

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Kershaw, P.J. , McMahon, C.A\*., Rudjord, A.L., Smedley, C., Leonard, K.S., 2004. Spatial and temporal variations in concentration factors in NW European Seas – secondary use of monitoring data. EcoRad Conference, September 2004, Aix-en-Provence, France, EcoRad, p.

### 3.4 Analysis Techniques

Blowers, P., Caborn, J.A., Dell, T., Gingell, T., Harms, A., Long, S.\* , Sleep, D., Stewart, C., Walker, J., Warwick, P.E., 2005. Determination of Carbon-14 in environmental level, solid reference materials (AIWG).

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#### **4. General Articles**

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