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**Radioactive Substances Act
Authorisations for the Magnox
Reactor Sites:**

***A Response from a Coalition of
Anti-Nuclear Organisations***

Annexes

August 2000

Response to the Magnox Sites RSA Consultation: Appendices

This report has been produced in two volumes – the main report, and three appendices containing copies of information referenced in the main report. The main report is self-contained, including all evidence and information relating to the arguments advanced in response to the Magnox consultation reports. The appendices are produced for information purposes only, and are intended to simply the process of investigating the objections raised in this report. The appendices are arranged as follows:

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<ul style="list-style-type: none"> • <i>A-bomb survivors: factors that may lead to a re-assessment of the radiation hazard.</i> Alice Stewart/George Kneale. <i>International Journal of Epidemiology</i> 2000; 29, 708-714 • <i>Radioecology: relevance to the problems of the new millennium.</i> F. Ward Whicker. <i>Journal of Environmental Radioactivity</i> 2000; 50, 173-178 • <i>Environmental effects of radionuclides – observations on natural ecosystems.</i> D. Copplestone et. al. <i>Journal of Radiological Protection</i> 2000; 20, 29-40 • <i>Evaluation of annual external radiation doses at values near minimum detection levels of dosimeters at the Hanford nuclear facility.</i> David Richardson et. al. <i>Journal of Exposure Analysis and Environmental Epidemiology</i> 2000; 10, 27-35 • <i>A system for radiological protection of the environment: some initial thoughts and ideas.</i> R.J. Pentreath. <i>Journal of Radiological Protection</i> 1999; 19/2, 117-128 • <i>Control of low-level radiation exposure: time for a change?</i> Roger Clarke. <i>Journal of Radiological Protection</i> 1999; 19/2, 107-115 • <i>The Seascale cluster: a probable explanation</i> Richard Doll <i>British Journal of Cancer</i> 1999; 81/1, 3-5 • <i>Unexpected sensitivity to the induction of mutations by very low doses of alpha particle radiation: evidence for a bystander effect.</i> Hatsumi Nagasawa/John Little. <i>Radiation Research</i> 1999; 152, 552-557 • <i>Genetic heterogeneity in the population and its implications for radiation risk. Report of NRPB Advisory Group on Ionising Radiation.</i> Documents of the NRPB, 10/3 • <i>Childhood cancer and nuclear installations: a review</i> C.R. Muirhead. <i>Nuclear Energy</i> 1998; 37/6, 371-379 • <i>Cancer in the offspring of radiation workers</i> F. Alexander, Busby/Scott Cato, A. Stewart <i>British Medical Journal</i> 30/5/98; 316, 1672-1673 • <i>Intercellular communication is involved in the bystander regulation of gene expression in human cells exposed to very low fluences of alpha particles.</i> I. Edouard et. al. <i>Radiation Research</i> 1998; 150, 497-504 • <i>Radiation roulette</i> Rob Edwards. <i>New Scientist</i>, 11/10/97; 36-40 • <i>Fitness and germline mutations in barn swallows breeding in Chernobyl.</i> Hans Ellegren et. al. <i>Nature</i>, 9/10/97; 389, 593-596 • <i>Further evidence for elevated human minisatellite mutation rate in Belarus eight years after Chernobyl accident.</i> Yuri Dubrova et. al. <i>Mutation Research</i> 1997; 381, 267-278 • <i>Death rates from leukaemia are higher than expected in areas around nuclear sites in Berkshire and Oxfordshire.</i> Chris Busby/Molly Scott Cato. <i>British Medical Journal</i>, 2/8/97; 315, 309 • <i>Childhood leukaemia in US may have risen due to fallout from Chernobyl.</i> Joseph Mangano. <i>British Medical Journal</i>, 19/4/97; 314, 1200 	<p style="text-align: right;">A1-10</p> <p style="text-align: right;">17</p> <p style="text-align: right;">A1-23</p> <p style="text-align: right;">A1-35</p> <p style="text-align: right;">A1-44</p> <p style="text-align: right;">A1-56</p> <p style="text-align: right;">A1-65</p> <p style="text-align: right;">A1-68</p> <p style="text-align: right;">A1-73</p> <p style="text-align: right;">A1-78</p> <p style="text-align: right;">A1-87</p> <p style="text-align: right;">A1-89</p> <p style="text-align: right;">A1-97</p> <p style="text-align: right;">A1-102</p> <p style="text-align: right;">A1-106</p> <p style="text-align: right;">A1-118</p> <p style="text-align: right;">A1-119</p>

- *Case control study of leukaemia among young people near La Hague nuclear reprocessing plant: the environmental hypothesis revisited.* Dominique Pobel/Jean-Francois Viel. *British Medical Journal*, 11/1/97; 314, 101-106 A1-120
- *Infant leukaemia after in utero exposure to radiation from Chernobyl.* E. Petridou et. al. *Nature*, 25/7/97; 382, 352-353 A1-126
- *Chernobyl's legacy to science.* Editorial *Nature*, 25/4/97; 380, 653 A1-128
- *Cancer risk of low-level exposure.* Marvin Goldman. *Science*, 29/3/96; 271, 1821-1822 A1-129
- *Genomic instability induced by ionising radiation.* William Morgan et. al. *Radiation Research* 1996; 146, 247-258 A1-131
- *Incidence of leukaemia in young people around La Hague nuclear waste reprocessing plant: a sensitivity analysis.* Jean-Francois Viel/ Dominique Pobel. *Statistics in Medicine* 1995; 14, 2459-2472 A1-143
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- *Inconsistencies and open questions regarding low-dose health effects of ionising radiation.* Nussbaum and Kohnlein. *Environmental Health Perspectives* 1994; 102/8, 656-667 A1-164
- *Excess of other cancers in Wales.* Chris Busby *British Medical Journal*, 22/1/94; 308, 268 A1-176
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- *Tritium: the overlooked hazard.* Ian Fairlie. *The Ecologist* Sept./Oct. 1992; 22/5, 228-232 A1-178
- *Neonatal mortality in Germany since the Chernobyl explosion.* Jens Scheer. *British Medical Journal*, 28/3/92; 304, 843 A1-183
- *Cancer in populations living near nuclear facilities: A survey of mortality nation-wide and incidence in two states.* Seymour Jablon et. al. *Journal of the American Medical Association*, 20/3/91; 265/11, 1403-1408 A1-184
- *Background gamma radiation and childhood cancer within ten miles of a US nuclear plant.* Maureen Hatch & Mervyn Susser. *International Journal of Epidemiology* 1990; 19/3, 546-552 A1-190
- *Cancer near potential sites of nuclear installations.* Paula Cook-Mozaffari et. al. *The Lancet*, 11/11/89; 1145-1147 A1-197
- *The risk of childhood leukaemia near nuclear establishments.* J.W. Stather et. al. NRPB-R215, January 1988 A1-200

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