



Radiological Protection Institute of Ireland
An Institiúid Éireannach um Chosaint Raideolaíoch

EPRAN Surveys

Stephen Fennell

Affected Lamps

- Lamps, starters and glow switches
- H-3, Th-232, K-85
 - Th-232 not used for radioactive properties
- June 2011 - request for exemption made by the lighting industry in Ireland and the ELC



Affected Lamps

- All ERPAN members were asked to provide a short summary of the Regulatory Position of Affected lamps in their respective countries to assist Ireland in its efforts to formulate its Regulatory Position.
- 5 Countries Responded
 - United Kingdom
 - France
 - Belgium
 - Sweden
 - Slovenia



Regulation of Affected LAMPS

■ UK

- HSE is planning to exempt users of Affected Lamps from notifying them
- Exemption level is 200 MBq. Applies only to Kr-85. Th-232 is not used for its radioactive properties in Affected Lamps
- All practices are exempt except “manufacture”

■ Sweden

- The Swedish Radiation Safety Authority exempt practices involving Affected Lamps containing <10 kBq of Kr-85 and <1k Th-232 from licensing



Regulation of Affected Lamps

■ France

- French Public Health Code prohibits the intentional addition of radionuclides to consumer goods
- European Lamp Manufacturing Companies Federation has requested a waiver from the French Ministry of Labour, Employment and Health to continue manufacturing and distributing Affected Lamps
- ASN is considering this request regarding appropriate authorisation or exemption levels as applicable for the practices of manufacture, distribution and recycling



Regulation of Affected Lamps

Belgium

Changes to Belgian Legislation have been proposed and is awaiting approval by the Council of Ministers. These are as follows:

- The use of small quantities of radioactive material in consumer goods can be exempt from authorisation. The exemption request is considered by the Nuclear Regulatory Body
- Manufactures of such consumer goods will be subject to Licensing
- In Belgium transportation of such consumer goods is exempt from authorisation.



Regulation of Affected Lamps

■ Slovenia

- No specific exemption levels regarding Affected Lamps with Th-232 or Kr-85 apply. Exemption levels in the BSS are used
- No legislative requirements apply if it can be demonstrated that practice meets the requirements of basic exemption criteria i.e.
 - an annual effective dose $< 10 \text{ uSv/y}$, and
 - an annual collective effective committed dose of $< 1 \text{ man Sy/y}$ "



Irish position

- Discussion paper developed
- Currently under consideration

