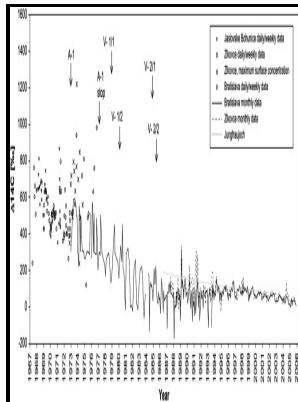


# Radioactivity standards distribution program, 1978-1979

Environmental Protection Agency, Office of Research and Development, Environmental Monitoring and Support Laboratory - General License Uses



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**NJDEP New Jersey Department of Environmental Protection**

At higher temperatures, the body is bright yellow or blue-white and emits significant amounts of short wavelength radiation, including and even. The production of REEs has been accompanied by the production of large volumes of thorium hydroxide and residues containing radioactive lead and radium. The majority of background radiation occurs naturally from minerals and a small fraction comes from man-made elements.

**Electric and Magnetic Fields from Power Lines**

One curie equals approximately 37,037 MBq. Energy, Activity and Exposure Different radioactive materials and X-ray generators produce radiation at different energy levels and at different rates.

**Planck's law**

} This is also a spectral energy density function with units of energy per unit wavelength per unit volume. In 1913, Bohr gave another formula with a further different physical meaning to the quantity  $h\nu$ . These wastes include ore tailings and smelter slag, some of which contain elevated concentrations of uranium, thorium, radium and their decay products that were originally part of the process feed ore.

**Learn**

The links on this page will redirect to guidance and tools for the Radionuclide Rule.

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The concern arises because of the very large amounts of NORM needing recycling or disposal from many sources. Concentration of the tantalum minerals is generally by gravity methods as with mineral sands , so the lattice-bound radioisotope impurities if present will report with the

concentrate.

## **Radiation Sources and Doses**

The regulations in require certain general licensees who possess devices containing at least 370 MBq 10 mCi of cesium-137, 3. OSHA's Respiratory Protection Standard, 29 CFR 1910.

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