January 4, 2002

# Increased levels of radiation of a radioisotope shipment from Studsvik

Measurements of a shipment containing radioisotopes displayed increased levels of radiation on arrival at the final destination in New Orleans, USA. The radioisotope in question is Iridium-192, used for industrial purposes. The package containing the radioisotopes left Studsvik on the 27<sup>th</sup> December 2001, by means of automobile and air, intact and in an approved transport container. Prior to departure from Studsvik, the package was measured and displayed normal levels of radiation.

The present information indicates that the risk for personal injuries is minor. An investigation of the incident is ongoing.

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# Facts about Studsvik

Studsvik is a high-tech company, focusing on the nuclear power industry and nuclear medicine. Business is conducted through four Strategic Business Units (SBUs): **Nuclear Technology, Waste & Decommissioning, Industrial Services** and **Nuclear Medicine** 

**Nuclear Technology** offers products and services related to nuclear power plant operation. These include the testing and analysis of nuclear fuel and materials, computer codes for reactor operation, and consulting. Activities are dependent on Studsvik's nuclear reactors and specialist laboratories, located outside Nyköping.

# Waste & Decommissioning

Waste & Decommissioning treats low and intermediate level waste from nuclear reactors and provides services for the dismantling of nuclear facilities. European operations focus on the treatment of low level waste in Studsvik's incineration and melting facilities located outside Nyköping. US operations, conducted at Studsvik's facilities in Erwin, Tennessee, include volume and weight reduction of ion-exchange resins from commercial nuclear power plants in the USA.e

### **Industrial Services**

Industrial Services mainly provides services to the nuclear power industry and also offers services to other industries. Operations include decontamination, health physics/personal dosimetry, chemical cleaning and dismantling of nuclear facilities as well as process cleaning. Activities have historically been concentrated to Sweden. However, since the German company, SINA, was acquired in 1998, the German business accounts for more than a half of the SBU's income.

### **Nuclear Medicine**

Nuclear Medicine provides a number of nuclear-related products and methods for medical use. The range includes a method for the treatment of brain tumors and a number of radioisotopes.

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