

Training Calendar for the Year-2009 for the Training Course on Radiation Safety and Regulatory Aspects of Industrial Ionising Radiation Gauging Devices (IRGDs)/ Nucleonic Gauges(NG)

The use of ionizing radiation all over the world has registered a phenomenal growth for a wide variety of peaceful purposes in industry, medicine, research, agriculture and education. In industry, a number of physical parameters are determined by using industrial ionizing radiation gauging devices/nucleonic gauges (IRGDs/NGs) containing sources of ionizing radiation, i.e. gamma rays, x-rays, charged particles – alpha & beta rays and neutrons. IRGDs/NGs are used for online industrial process control and quality control parameters. The number of IRGDs/NGs is increasing every year in the country because of their versatile industrial applications. Different types of radiation sources with activity ranging from several MBq to few GBq are being used for this purpose depending on the applications and characteristics of sources. Although the activity sources used in IRGDs/NGs is very small, they have reasonably long half life. In view of this, the sources would still have the potential to cause significant radiological hazards, if they are not handled safely and not provided adequate physical security during their use, transport and storage. Hence handling of radiation sources in such applications necessitates effective surveillance by Radiological Safety Officer (RSO) from radiological safety standpoint.

For this purpose, periodic training courses are being conducted by radiological Physics and Advisory Division (RP&AD), BARC in collaboration with Indian Association for Radiation Protection (IARP), Mumbai. The above mentioned training course is conducted for the candidates nominated by user institutions. The scheduled of the course is seven working days which includes lectures, practical/demonstration and examination. The lectures are delivered on the topics such as: basic radiation physics, biological effects of radiation, operational limits, emergency plan and preparedness and demonstration on radiation instrumentation.

The candidates are certified by taking the examination and viva. The successful candidates are eligible to be nominated as Radiological Safety Officer (RSO) by the user institution with the written approval of competent authority.

The training calendar for the year 2009 is displayed on the AERB web site. For further information in respect of qualification, course fees and accommodation, if required, for the above training course, the user institution may write to Head, Radiological Physics and Advisory Division (RP&AD), CT & CRS Building, Anushaktinagar, Mumbai -400 094 or you may write to Course Coordinator, IARP, C/o CT & CRS Building, Anushaktinagar, Mumbai- 400094. (Contact Nos. (022) 25598660, Fax.2551 9209, Mob. 09224167100, e-mail: gaur.pk@gmail.com, pkgaur123@rediffmail.com).

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Sr. No.	Title of the course	Course Number	Duration
1	Radiation Safety and Regulatory Aspects of Nucleonic Gauges	NG-80	March 16 – 24, 2009
2	Radiation Safety and Regulatory Aspects of Nucleonic Gauges	NG-81	April 27 to May 5, 2009
3	Radiation Safety and Regulatory Aspects of Nucleonic Gauges	NG-82	September 7 – 15, 2009
4	Radiation Safety and Regulatory Aspects of Nucleonic Gauges	NG-83	November 9 --17, 2009
