

2.4-O3. Measuring Radioactive Emissions in Gaseous Effluents at Medical Isotope Production Facilities

INVAP has experience in the design and supply of Medical Isotope Production Facilities (MIPF). Several MIPF's have already been delivered, are currently under design, or to be commissioned in the near future. As designers of Radiation Monitoring Systems for those facilities, this experience throughout last years showed us the relevant features when measuring gaseous emissions in Isotope Production Facilities. This field of measurements is quite specific, with much different requirements on detection strategies and measurement conditions in comparison with those measurements performed regularly on NPP's or Research Reactors, usually carried out using relatively standard instrumentation. Hence, specific detection tools and custom design devices have to be applied. Moreover, also the corresponding software for the User Interface, has to be adapted to the specific production process carried out according to the particular conditions in a specific plant. In this presentation, considerations on the evolution, design improvements and specific data acquisition strategies, being implemented in the measurement of gaseous effluents along several MIPF's supplied by INVAP in the last years, are presented.

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Track Classification: 2. Events and their characterization