

Performance in International Monitoring System Radionuclide Stations – How Can Remote Stations Perform as well as Those on the Mainland?

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The Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) maintains nine International Monitoring System (IMS) radionuclide stations across Australia, Antarctica, Fiji and Kiribati. A significant proportion of these are considered to be remote locations, where access is limited and local support is essential for the ongoing maintenance of the stations. This was particularly challenging throughout 2020, 2021 and 2022, where travel from Australia to many of the stations was not possible. Despite the challenges that are faced, the network under the responsibility of ARPANSA has consistently performed to an extremely high level of uptime and quality since beginning operation of stations in the year 2000. Whilst station performance data will be discussed, the focus of this presentation will be on several areas where ARPANSA has been able to optimize performance, including: core staff dedication and expertise, relationships with local operators and continuous improvement. It is intended that several real life case studies documenting the experience that has been built up over time will be presented to compare and contrast the requirements for successfully maintaining radionuclide stations to a high quality in varied environments.

Promotional text

The Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) maintains nine IMS radionuclide stations. This presentation intends to explore how an enviable quality record is maintained, even with the challenges of remote locations and pandemic travel restrictions.

E-mail

Marcus.Grzechnik@arpansa.gov.au

Oral preference format

in-person

Primary authors: HARDMAN, David (Australian Radiation Protection and Nuclear Safety Authority (ARPANSA)); GRZECHNIK, Marcus (Australian Radiation Protection and Nuclear Safety Authority (ARPANSA)); Mr MCWILLIAMS, Erin (Australian Radiation Protection and Nuclear Safety Authority (ARPANSA)); Ms MCLEISH, Jane (Australian Radiation Protection and Nuclear Safety Authority (ARPANSA)); Mr HOFMAN, Joshua (Australian Radiation Protection and Nuclear Safety Authority (ARPANSA)); Mrs GOUIN, Katherine (Australian Radiation Protection and Nuclear Safety Authority (ARPANSA))

Presenters: HARDMAN, David (Australian Radiation Protection and Nuclear Safety Authority (ARPANSA)); GRZECHNIK, Marcus (Australian Radiation Protection and Nuclear Safety Authority (ARPANSA))

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