ID: **P4.4-759** Type: **E-poster**

Monitoring System Radionuclide Station State of Health Monitoring Using the Radionuclide Operations Support System

Wednesday, 21 June 2023 09:59 (1 minute)

Immediate identification of system component failures through state of health (SOH) trend analysis allows for fast resolution of International Monitoring System (IMS) station issues. The Radionuclide Operations Support System (ROSS) allows staff of the Provisional Technical Secretariat to display station SOH data, assess current station performance, and notify International Data Centre analysts of critical issues that affect IMS radionuclide station key performance indicators. This presentation will discuss examples of critical equipment failures as observed from SOH data of the various radionuclide technologies as identified using ROSS and some challenges observed in SOH data monitoring using the software.

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Promotional text

How does the PTS evaluate the state of health of IMS radionuclide monitoring stations? We discuss some examples of critical equipment failures as observed using ROSS and some challenges observed in SOH data monitoring using the software.

Oral preference format

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Session Classification: Lightning talks: P2.1, P2.3, P4.4

Track Classification: Theme 4. Sustainment of Networks, Performance Evaluation, and Optimization: T4.4 International Monitoring System Sustainment