



Contribution ID: 345

Type: oral

Continuous Analytical Performances Monitoring at the On Site Laboratory through Proficiency, Inter-Laboratory Testing and Inter-Comparison Analytical Methods

Wednesday, 22 October 2014 15:10 (20 minutes)

Since 2008, as one measure to strengthen its quality management system, the On-Site Laboratory for nuclear safeguards at the Rokkasho Reprocessing Plant, has increased its participation in domestic and international proficiency and inter-laboratory testing for the purpose of determining analytical method accuracy, precision and robustness but also to support method development and improvement. This paper provides a description of the testing and its scheduling. It presents the way the testing was optimised to cover most of the analytical methods at the OSL. The paper presents the methodology used for the evaluation of the obtained results based on Analysis of variance (ANOVA). Results are discussed with respect to random, systematic and long term systematic error.

Country or International Organization

IAEA

EPR Number (required for all IAEA-SG staff)

752

Primary authors: DUHAMEL, Georges (IAEA-SG); DECAILLON, Jean-Gary (IAEA-SG)

Co-authors: TOERVENYI, Andras (IAEA-SG); KIM, Chang-Kyu (IAEA-SG); MATSUZAWA, Kaoru (JSGO); DASH-DONDOG, Saikhan (IAEA-SG); KATO, Seiko (NMCC); HARA, Shinji (NMCC); KAWAGUCHI, Toshiyuki (NMCC)

Presenter: DECAILLON, Jean-Gary (IAEA-SG)

Session Classification: Frameworks for Monitoring the Quality of the Operator's Measurement and Accounting Systems