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LESSON LEARN FROM MOBILE HOT CELL PEER REVIEW IN MALAYSIA

Mobile Hot Cell (MHC) development in Malaysia started in 2008 with the main objectives of handling of high activity sources, safe storing and securing of Disused Radioactive Source (DSRS). In 2015, the Malaysia Government, through the 10th Malaysia Plan provided the required financing to Nuclear Malaysia's venture into the development of Mobile Hot Cell. The installation and documentation of the MHC, inclusive of its design, fabrication, installation and operation, were completed in 2016.

The 1st peer review workshop for Mobile Hot Cell was conducted in 2017 with the expert team from various countries. The entire aspects of the MHC system, including design, installation, operation, skills, knowledge management and documentation were reviewed. In the workshop, a number of noncompliance's were raised by the experts. The most particular noncompliance from the Peer Review report was the absence of Quality Management System (QMS) in the MHC documentation. In overcoming this noncompliance, IAEA in collaboration with ANDRA, provided assistance to the Malaysian team in developing MHC Quality Management System. The QMS has been successfully developed and is summarized in the 'diagram' below:

The report from the 2nd Peer review team in 2018 concluded with a positive feedback for the operation of Mobile Hot Cell. All documents have been submitted to the Department of Atomic Energy for licensing purposes. Once the operational license is granted, the service for retrieval of DSRS sources can be performed in Malaysia, with the goal of extending the service to other countries in the near future.

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