Verification on Integrity of JMTR Emergency Generator

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Electric power supply system of JMTR consists of commercial power supply system and emergency power supply system. Emergency power supply system consists of diesel generators (2 units) and batteries. In the periodical assessment of JMTR carried out in 2004, it was concluded that the integrity of diesel generator were confirmed and the aging effects of the facilities were to be watching continuously in future.

Therefore, prior to the restart of the JMTR, which is planed in FY 2011, verification on integrity of JMTR emergency generators were carried out in order to confirm the integrity and to determine maintenance plans which will run before and after the restart of the JMTR.

As a result of this verification, the integrity of the emergency generators were confirmed because the electrical degradation was not found. From view of the prevent maintenance, cleaning with overhaul, insulating treatment and observation of bearing are necessary to be carried out before JMTR restart. Also it is possible to maintain the integrity of JMTR emergency generators by carrying on the current maintenance plan with periodical overhaul based on insulation diagnosis. In future, we will maintain the integrity of JMTR emergency generators with carrying out maintenance based on the current maintenance plan.

Keywords: JMTR, Emergency Generators, Verification on Integrity, Maintenance Plan
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