

## **A Study on Ultrasonic Visualization Technique for Leakage and Fuel Debris Inspection (1F).**

*Thursday, 26 May 2016 15:00 (3 hours)*

This study investigated a measurement system combining ultrasonic velocity profiler (UVP) method and aperture synthesis method. The system was devised as an inspection technique to identify leakage point and to determine distribution of fuel debris for decommissioning of Fukushima Dai-ichi nuclear power plant. To evaluate the developed measurement system, verification experiments were conducted in the tank where water is leaking and a stone is placed in the flow field as mock fuel debris. As a result, applicability of the developed measurement system was confirmed.

### **Country or International Organization**

JAPAN

### **Type "YES" to confirm submission of required <br> Forms A and B via the official channels**

YES

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