

**DEVELOPMENT AND DEMONSTRATION OF
AUTOMATED PRETREATMENT SYSTEM AT
INTERIM STORAGE FACILITY FOR
CONTAMINATED MATERIAL GENERATED FROM
DECONTAMINATION OF OFF-SITE AREAS
SURROUNDING THE FUKUSHIMA NPP**

Wednesday, 25 May 2016 15:50 (25 minutes)

Contaminated material (soil/waste) generated from the decontamination of large contaminated areas surrounding the Fukushima Daiichi Nuclear Power Plant is being collected and stored at temporary storage facilities at all municipalities in Fukushima prefecture. The contaminated material will be transported to centrally-located Interim Storage Facilities (ISF) where it will be sorted, treated, and then placed for interim storage for up to 30 years. The current estimated volume of material that will be processed at the ISFs is 28 million m³ and effective technologies to help volume reduction are expected. Following acceptance inspection at ISF, contaminated material will be pretreated, i.e. segregated with regard to combustibility and radioactivity concentration. Such pretreatment work with enormous volume material is a key for early and safe implementation of interim storage. Obayashi Corporation has developed a series of automated pretreatment technologies which contributes to prompt operation, worker's safety and volume reduction.

Country or International Organization

Obayashi Corporation, Japan

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

YES

Primary author: Ms YASHIO, Shoko (Obayashi Corporation)

Co-authors: Mr KAMIJO, Hiroaki (Obayashi Corporation); Mr NODA, Masaru (Obayashi Corporation)

Presenter: Ms YASHIO, Shoko (Obayashi Corporation)

Session Classification: Session 4B - 3

Track Classification: Technical and Technological Aspects of Implementing Environmental Remediation Programmes