

Project Management System for the Decommissioning of Research Reactors

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[Abstract]

At the Korea Atomic Energy Research Institute (KAERI), two research reactors (KRR-1 and KRR-2) and one uranium conversion plant (UCP) are being decommissioned. In 1997, a project was launched for the decommissioning of the reactors with the goal of a completion by 2008. A separate project for the decommissioning of the UCP was launched in 2001. The dismantling works were started from August 2004 and the entire project will be completed by 2007.

KAERI has developed a computer information system, named DECOMMIS, for the project management with the increased effectiveness of the decommissioning projects and the record keeping for a next decommissioning project. The management system consists of three parts, code management system, data input system (DDIS) and data processing and output system (DDPS). Through the DDIS, the data can be directly inputted at sites and the system can play roles of daily work reports to minimize the time gap between the dismantling activities and the evaluation of the data for project management. The DDPS provides useful information to the staff for more effective project management and this information include several fields, such as project progress management, manpower management, waste management, radiation dose of workers and so on.

It is expected that the system would enable to maintain the decommissioning data, to prepare the source data for the R&D for development of planning tools and to give information to the staff for the decision on the progress of the projects. In this paper, the overall system will be briefly explained and several examples of the utilization, focused on the waste and manpower control, for the project management will be introduced.

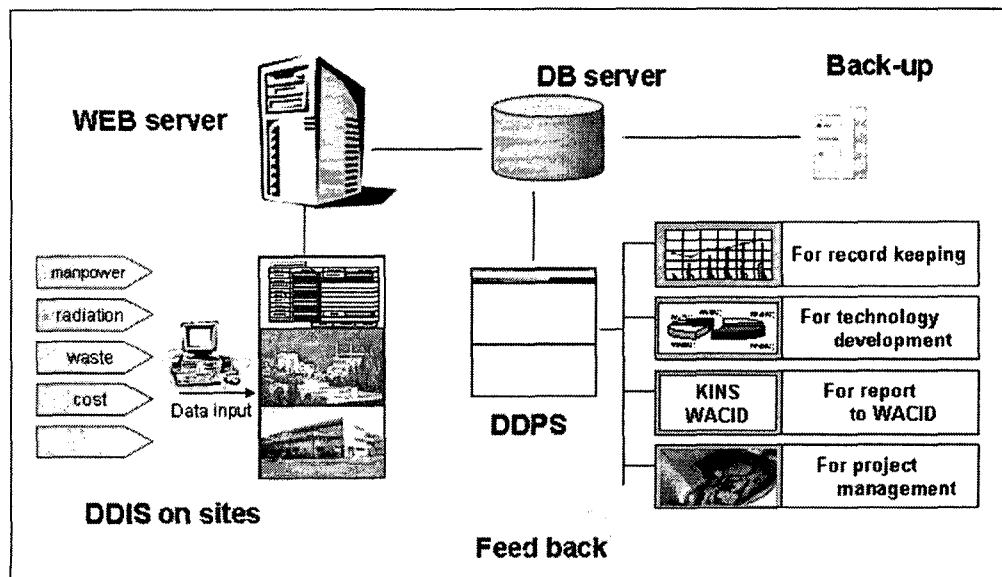


Fig. 1. The structure of the project management system: DECOMIS = DDIS + DDPS.