



Canadian Nuclear Society / Société Nucléaire Canadienne

Chalk River Branch, c/o Dr. Blair P. Bromley, AECL-Chalk River Laboratories, Chalk River, ON K0J 1J0

<http://www.cns-snc.ca/branches/ChalkRiver/> e-mail: webmaster@cns-snc.ca

*“Supporting nuclear science and technology for over 25 years”
“plus de 25 ans de promotion de la science et de la technologie nucléaires”*

STORED LIQUID WASTE TANK INSPECTIONS FUEL PACKAGING AND STORAGE PROJECT

The Chalk River Branch of the Canadian Nuclear Society, in conjunction with the Deep River Science Academy (DRSA) is pleased to welcome Phyllis Heeney (Senior Project Engineer, AECL) who will speak on “Stored Liquid Waste Tank Inspections / Fuel Packaging and Storage Project”.

Radioactive liquid wastes have been safely stored at the Chalk River Laboratory site since the 1940s. Twenty-one of these liquid waste tanks are slated to be emptied as part of the Liquid Waste Transfer and Storage Project. In-tank camera inspections were recently conducted to determine the condition of the tanks, consistency of the waste and possible retrieval locations. Results of these camera inspections, including photos and video footage taken during the inspections, will be described.

Reactor fuel has been safely stored in engineered structures, called Tile Holes, at the Chalk River Laboratory site for over 40 years. The Fuel Packaging and Storage (FPS) Project will stabilize a number of these fuels by removing water and transferring them in a new dry storage facility. The conceptual design of the new facility and the process used to retrieve, dry and store the fuels will be discussed.

Phyllis Heeney has over 15 years of experience in the nuclear industry with AECL, working on used fuel storage, liquid waste remediation, elastomeric seal design, manufacture and testing, environmental qualification of components for Pickering “A” Return to Service, and 5 years experience as a shift engineer in the NRU reactor. Phyllis holds a Bachelor of Applied Science in Chemical Engineering from the University of Ottawa (1988), and a Masters of Applied Science in Civil Engineering from the University of Toronto (1991).

Phyllis Heeney

6:30 PM

Thursday, July 12, 2007

**Bennett / Mackenzie Room, J.L. Gray Centre
(Entry via rear security entrance)**

*Free Admission; Refreshments will be served – ALL ARE WELCOME
Further information: Blair Bromley at 584-8811 Ext. 3676, or 613-584-1518*