

## Case Study #1

Tiverton, Ontario, Canada  
March 2007 – March 2008

# Retrieval and Repackaging of Resin Liners

EnergySolutions completed a major project with Bruce Power of Canada involving the repackaging of resin liners. The team was required to safely retrieve multiple types of resin containers stored in trenches, place them in transfer casks, and lower them into newly constructed in-ground containers (ICs). The work was conducted at the Bruce Nuclear Power Plant located on the eastern shore of Lake Huron near Ontario, Canada. The project team led by EnergySolutions included Fox, Ltd. and Kinectrics North America.

**“Despite many unusual and unexpected conditions, EnergySolutions’ engineered equipment and systems, operating procedures, management team, project crew, and project implementation experience resulted in successful and on-schedule liner retrieval without compromise.”** Bruce Power Management

## Project Challenges

- Non-standard resin liners
- Lifting strategies
- Inclement weather
- Repackaging of material
- Over-packed trenches

## Project Results

- Project was started on March 12, 2007 and was completed on time on March 10, 2008
- Safety training and project safety protocols in place
- Equipment was delivered and operating April 17, 2007
- First 50 liners were repackaged and placed in ICs on June 26, 2007
- Performed all retrieval operations without compromising safety, equipment, or the environment



Retrieval operations from storage trench



Placing the liners into overpack containers



Final disposition into in-ground containers

