

Progress Energy Transportation Experience

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Progress Energy

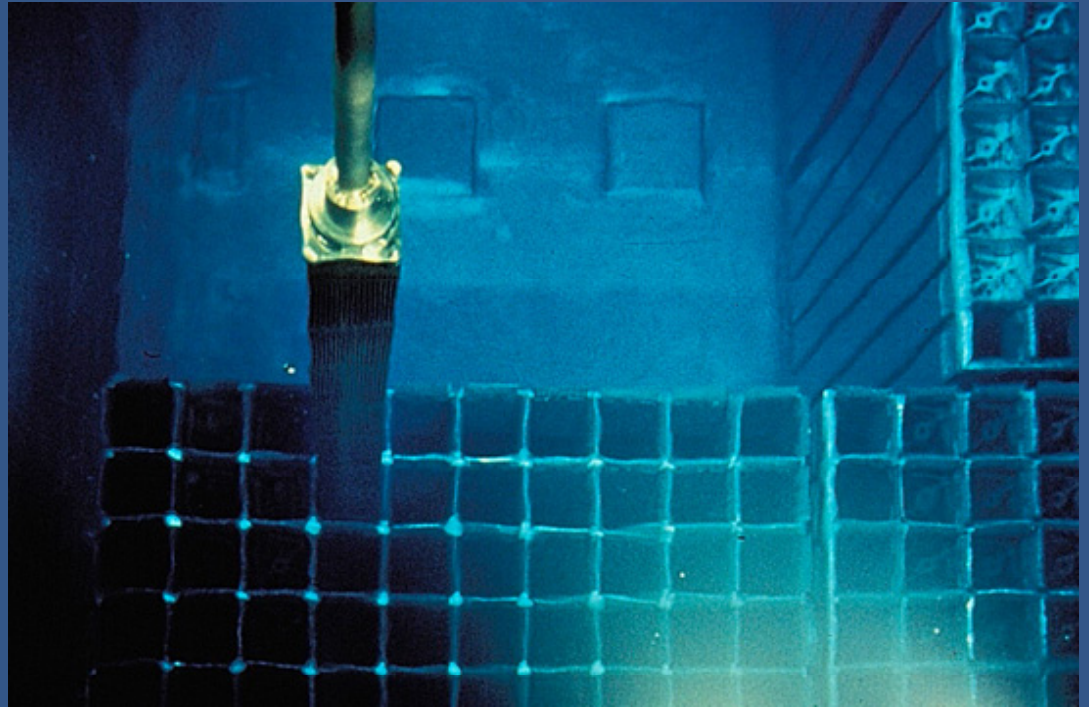
Progress Energy Nuclear Plants

- Five nuclear units in southeastern US
- North Carolina
 - ◆ Harris 1
 - ◆ Brunswick 1
 - ◆ Brunswick 2
- South Carolina
 - ◆ Robinson 2
- Florida
 - ◆ Crystal River 3



Progress Energy Experience

- 210 shipments
- 375 casks
- 5200 spent fuel assemblies
- 1,200 MTU
- No radioactive spills or releases
- No radiation exposure to train personnel or general public



Transportation History

- From Robinson to Brunswick – 1977-1981
- From Robinson to Harris – 1990-2004
- From Brunswick 1 & 2 to Harris – 1989-2008



Program Overview

- Own, maintain & operate equipment
 - ◆ Four shipping casks
 - ◆ Eight railcars
 - ◆ Two cabooses
 - ◆ Support equipment
- Detailed procedures
- Trained & experienced staff for loading, unloading & transportation



Support Organizations

- Utilize CSX engine and track
- Coordinate with local, county, state and federal organizations



Summary

- Spent nuclear fuel is being transported safely and effectively in US
- Existing utility transportation experience and lessons learned can be applied to DOE

