



# Case Study 4:

# CERCLA INTERIM ACTION AT THE SRS PAR POND

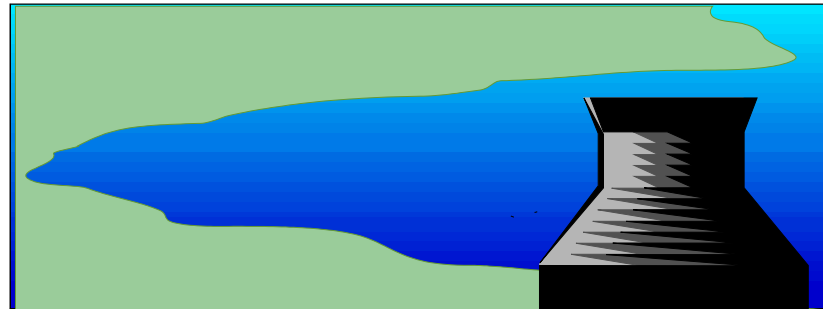
# CERCLA Interim Action at Par Pond

## *CERCLA Interim Action at Par Pond* provides:

- **An analysis of interim action options at the Savannah River Site (SRS)**
- **A description of the data gathering process**
- **An example of how to address CERCLA requirements**

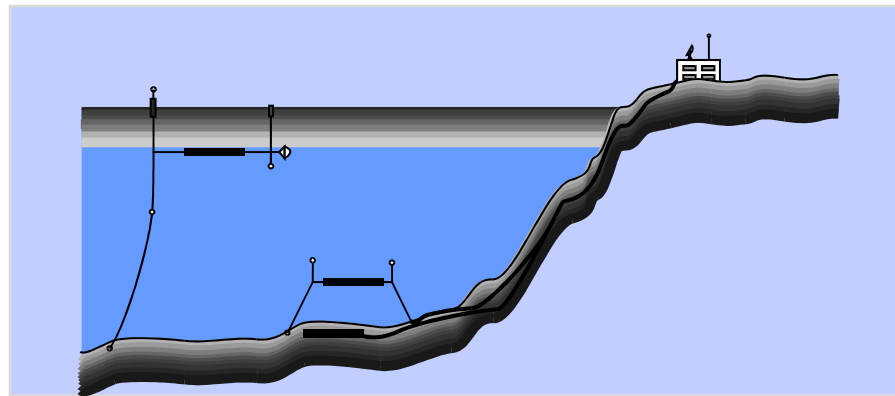
# The Par Pond

*The cooling water reservoir for two nuclear reactors at the SRS was contaminated with low levels of radioactive isotopes and other hazardous substances.*



# The Par Pond

*The water level for the Par Pond was lowered by 19 feet due to concerns over the structural integrity of the earthen dam containing the reservoir.*



# The Par Pond



# The Par Pond

## Lowering the water level:

- **Exposed over 1,300 acres of contaminated sediments**
- **Triggered the need for a CERCLA interim remedial action**



# The Par Pond

**Risk assessments were conducted to evaluate:**

- **Potential ecological hazards, or**
- **Human health hazards from the exposed contaminated sediments**



# The Par Pond

*A feasibility study (FS) was initiated to develop and evaluate possible remediation alternatives.*

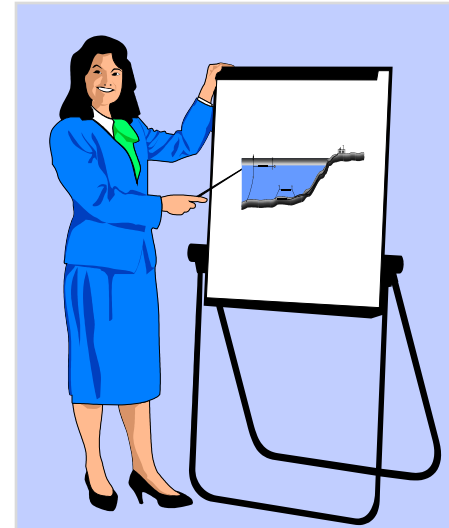




# The Par Pond

**Alternatives outlined in the FS focused on:**

- **Containment options**
- **Remedial approaches that would mitigate potential hazards from the exposed sediments**



# The Par Pond

*This example illustrates the overall objective of the RI/FS process, which is to support an informed risk management decision concerning the most appropriate remediation option for a given site.*

