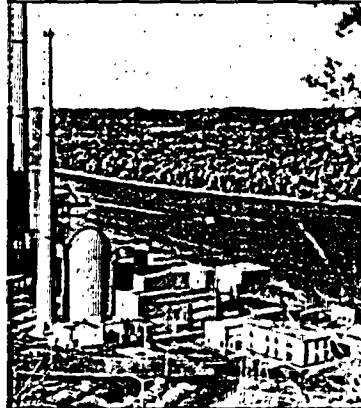


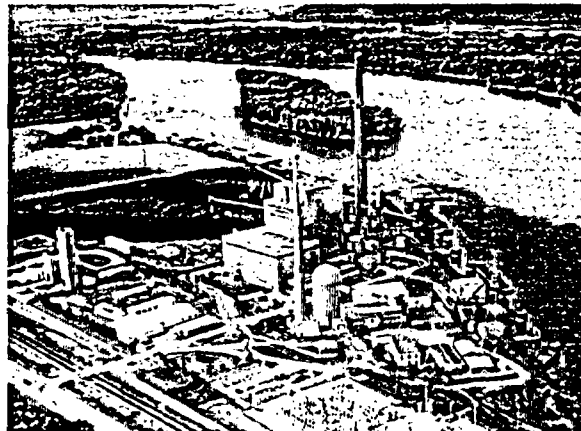
Dairyland Power Cooperative La Crosse Boiling Water Reactor

Public Meeting
with NRC
November 4, 2004



Atomic Energy Commission (AEC) Demonstration Project

- > Built by Allis Chalmers
- > Dairyland purchased plant in 1973 for \$1.00
- > Operated from 1967 – 1987 (approx. 10 full-power years)





Unique Features

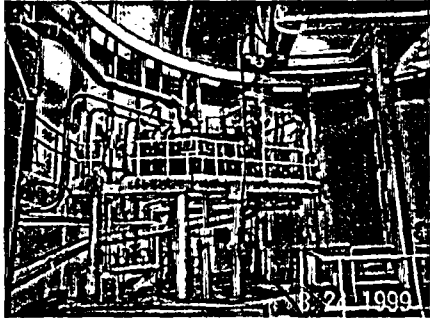
- ❖ Size
 - 50 Mwe – smallest commercial plant
 - 60' diameter Containment Building
 - many constraints in available space
 - Extremely small site
- ❖ Fuel
 - Stainless Steel Clad
 - Shrouds (channels) are separate from fuel
- ❖ Others
 - Reactor Building crane capacity – only 50 tons
 - Original design allowed for shipping fuel for reprocessing while operating



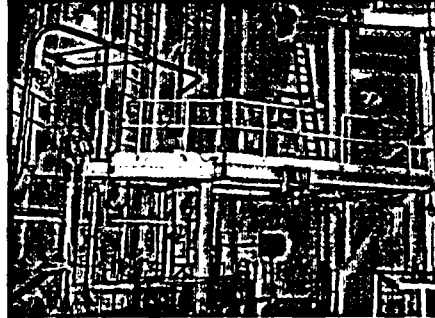
LACBWR After Shutdown

- ❖ SAFSTOR decision made based on:
 - Decommissioning Funding inadequate for immediate decommissioning
 - At that time, there was no fuel disposal option
- ❖ Reduced staff to 27 people
- ❖ Limited dismantlement
 - Soon to go over 1 million lbs.
- ❖ Private Fuel Storage (PFS)
- ❖ Closely observed trends and developments in the Industry
 - NEI
 - Other shutdown facilities

LACBWR Dismantlement



Before



After

LACBWR Dismantlement



Before

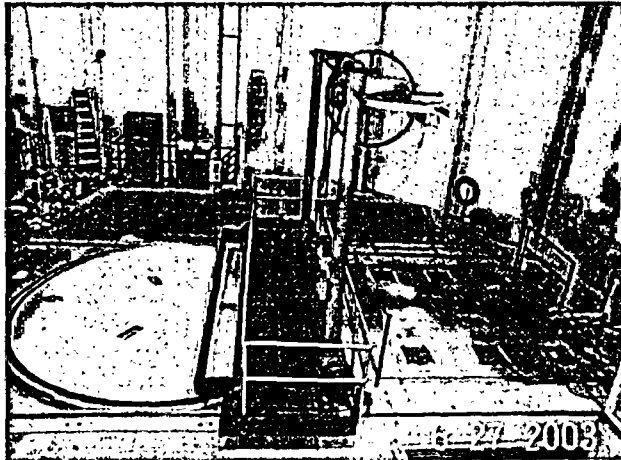


After

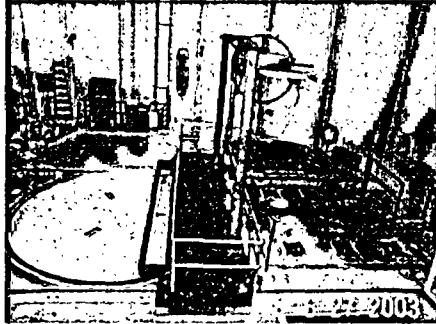
LACBWR Dismantlement



701' Level (Refueling Floor)



Recent "Progress"



- Dry Cask Storage discussions – maturation of industry
- Vendor visits
- Standard equipment; size and features
- Reactor Vessel characterization
- Survey of vendors – new concepts

LACBWR Options

- Reactor vessel removal with fuel still in pool?
 - Barnwell space available thru 2007
- Dry fuel storage
 - Creative proposals for packaging and storage

