

# **HAR 2 and 3 ER Overview (COL Application Part 3)**

# COL Application

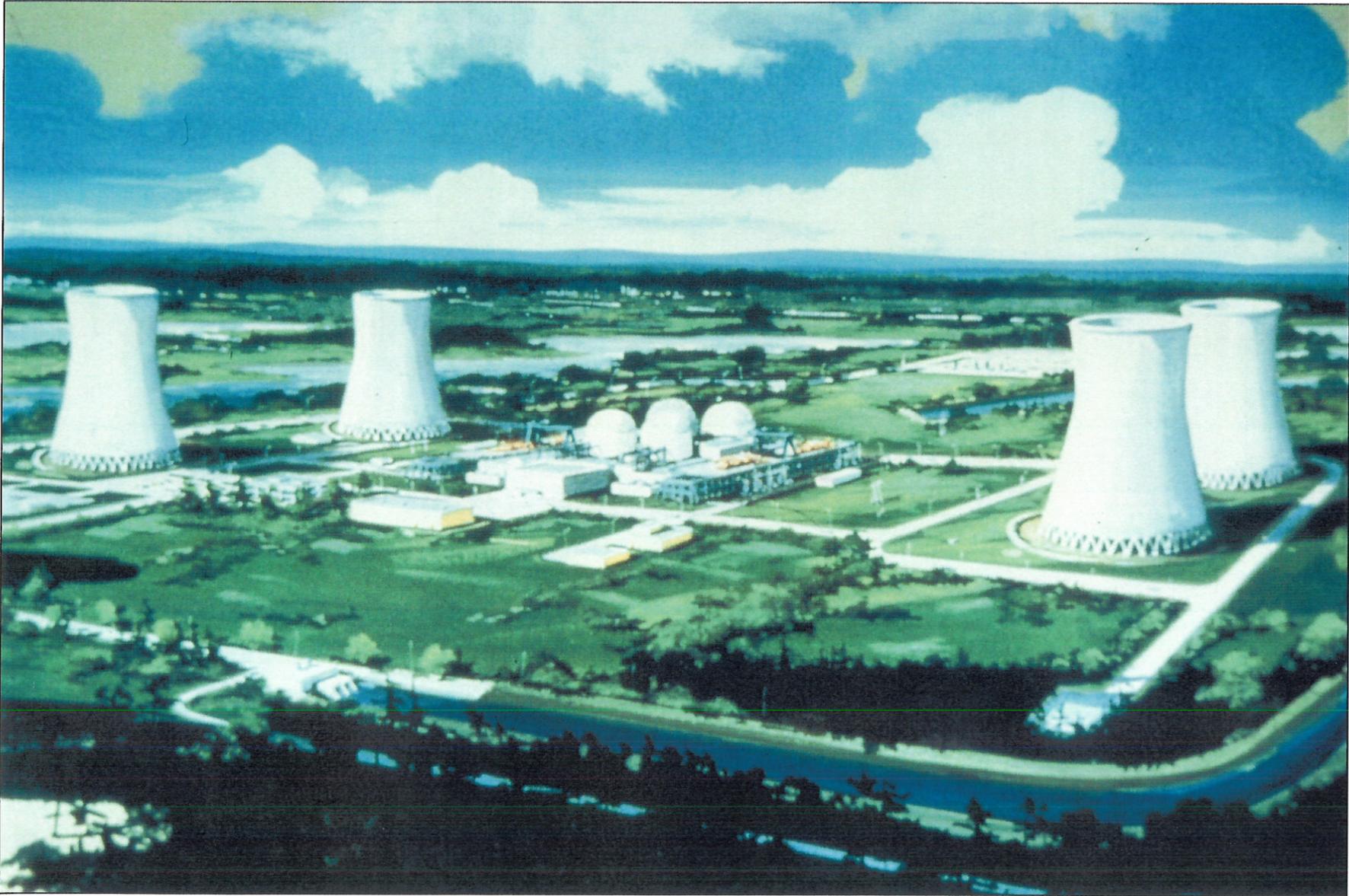
## Part 3 – Environmental Report

- ❑ **Provides information needed for NRC review per NUREG-1555, Oct 1999**
- ❑ **Also reflects lessons learned from:**
  - ❑ LR and ESP environmental reviews
  - ❑ NRC pre-application site visits
    - ❑ T1 visit May 2007
    - ❑ T2 visit September 2007
- ❑ **Chapter, Section (X.Y) & Subsections (X.Y.Z) per NUREG-1555 format**

# Navigation through the HAR Environmental Report

- Table of Contents hyperlinked to:
  - Section/Subsections, List of Tables, List of Figures
  
- From ER text, hyperlink to:
  - ER Sections/Subsections, Tables & Figures
  - ER Lists of References
  - FSAR Subsections, Tables & Figures
  - DCD Subsections, Tables & Figures

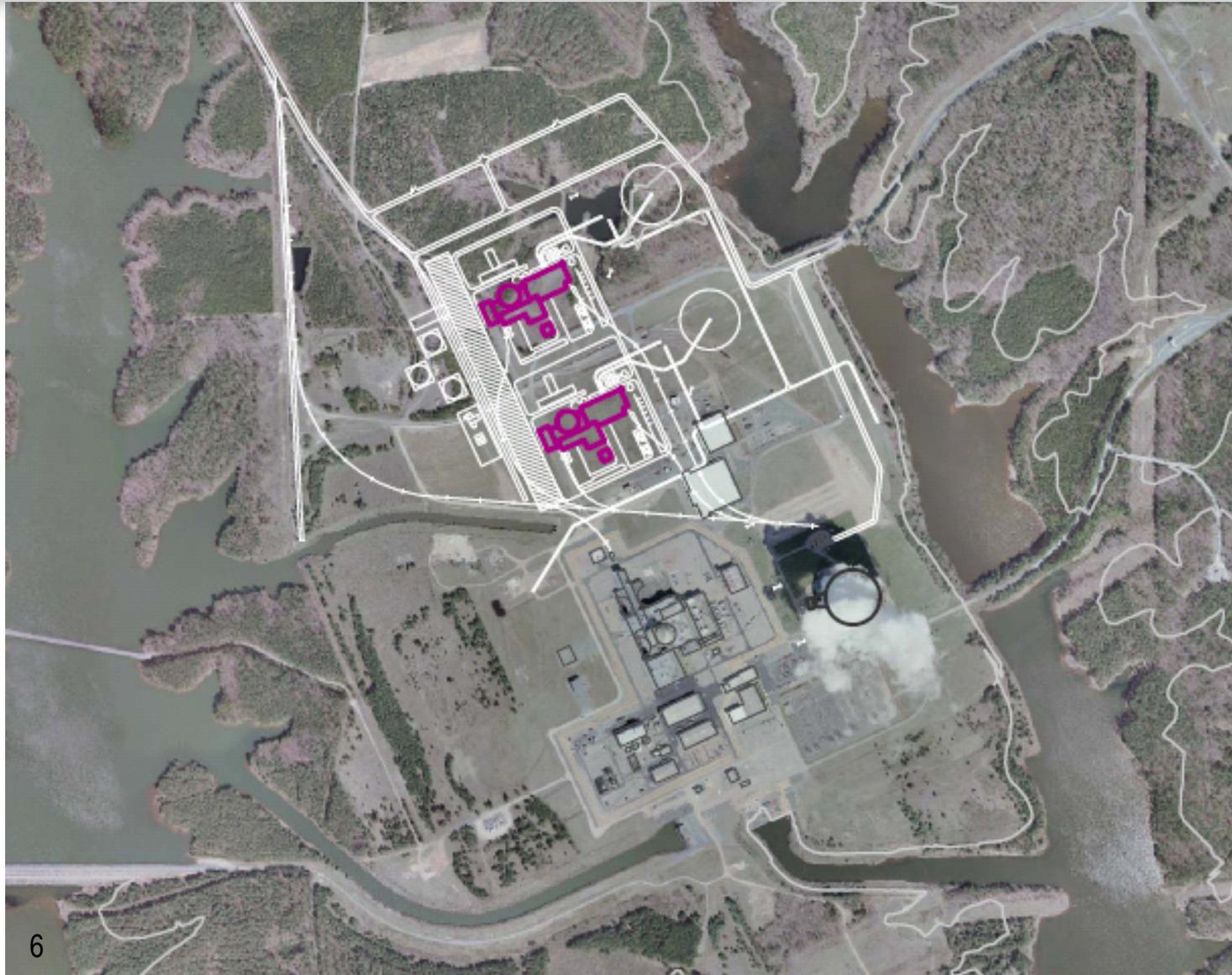
# ORIGINAL PLAN FOR FOUR UNITS



# Current Harris Plant



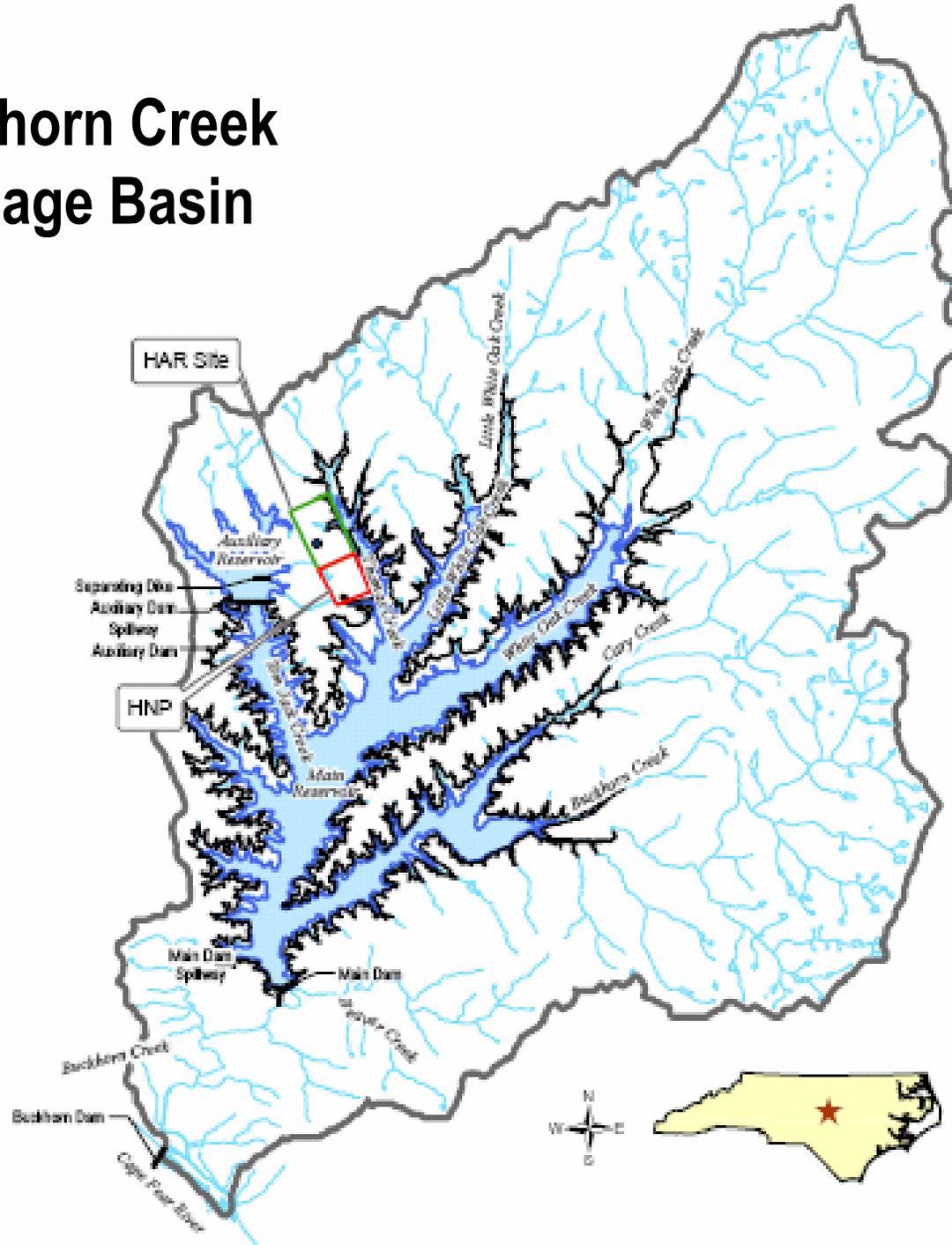
# Proposed Orientation of HAR 2 & 3



# Harris Lake Main Dam



# Buckhorn Creek Drainage Basin



# Water Withdrawal from Cape Fear River

- ❑ Design of reservoir capacity accounts for drought conditions
  - ❑ Raising lake level provides storage capacity
  - ❑ Restrict river water withdrawals during drought conditions
  
- ❑ Water withdrawal operational plan
  - ❑ Allow pumping during normal or above normal flow conditions
  - ❑ Minimize pumping during low flow conditions

# Cape Fear River and Buckhorn Dam



# Wrap-Up & Closing Remarks