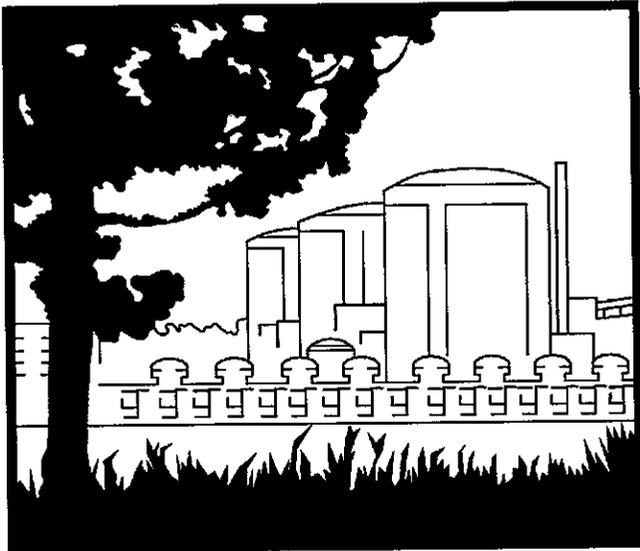




Oconee Nuclear Site



NRC Management Update
January 28, 2003

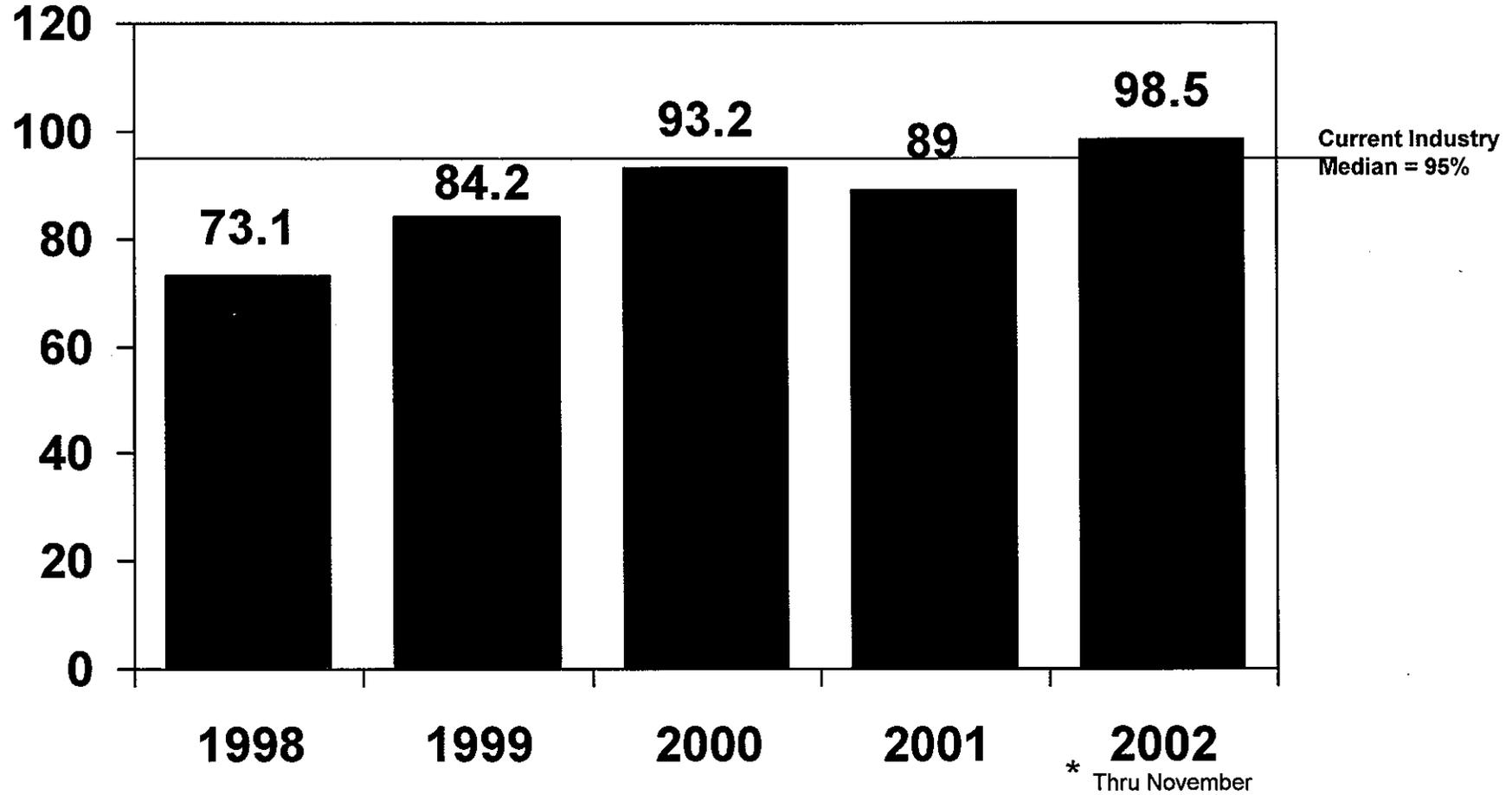


AGENDA

- Opening Remarks – Ron Jones
- Oconee Performance Overview – Bruce Hamilton
- Design Basis Projects – Dave Baxter
- Closing Remarks – Ron Jones

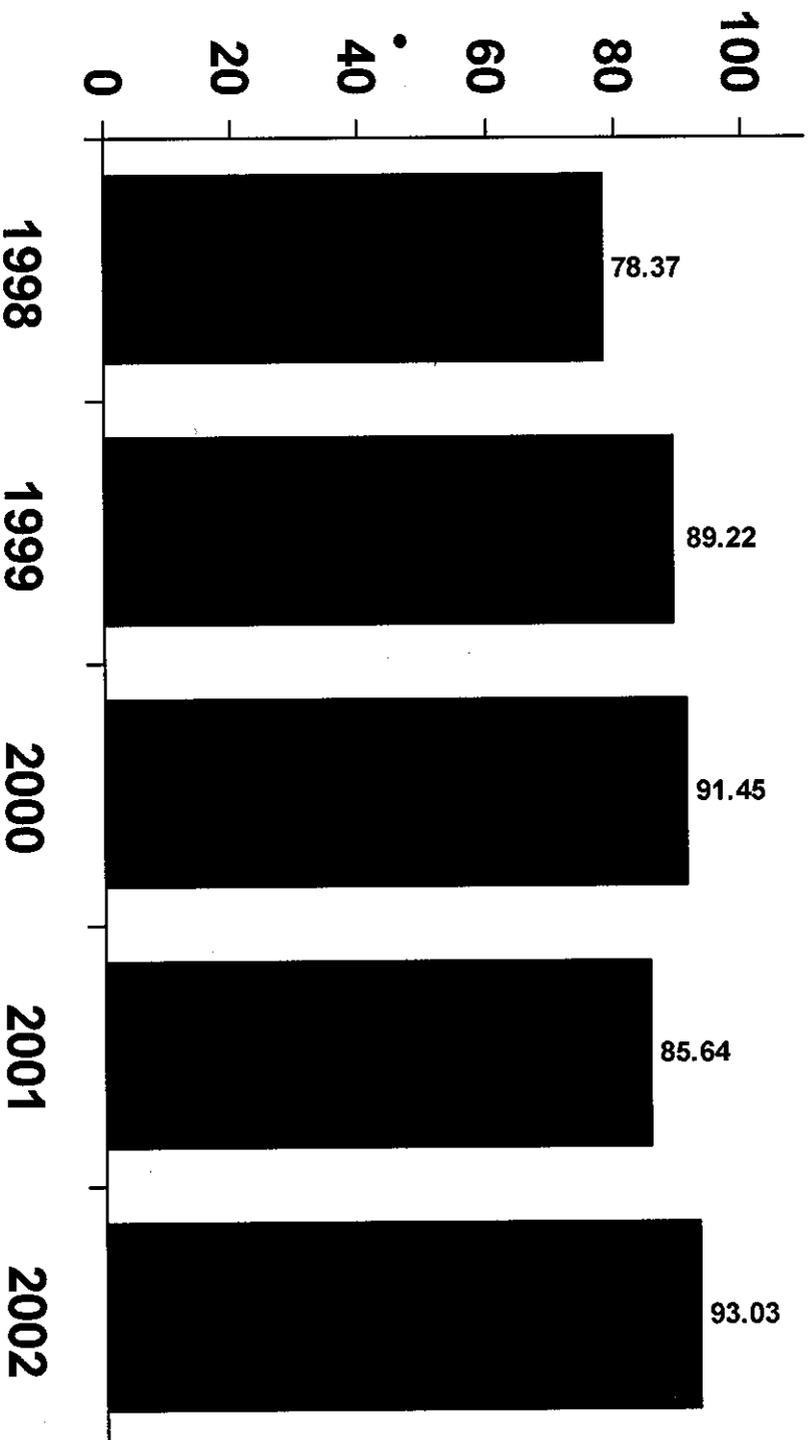


Oconee Performance Indicator Index



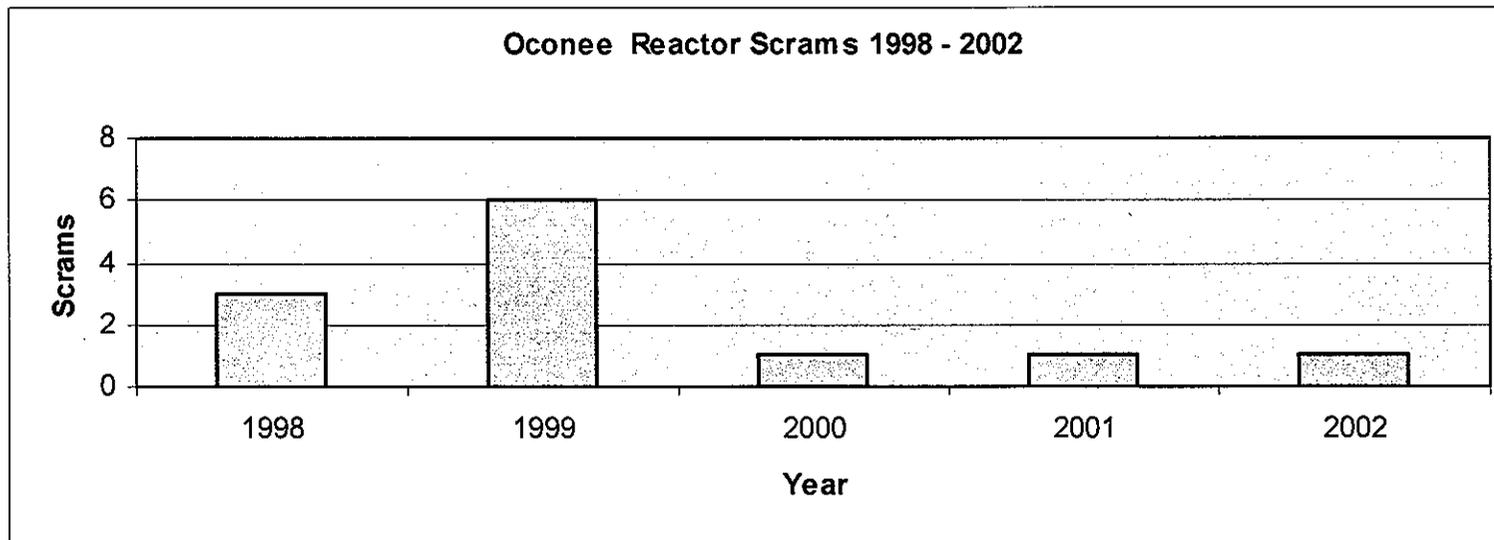


Oconee Average Capacity Factor



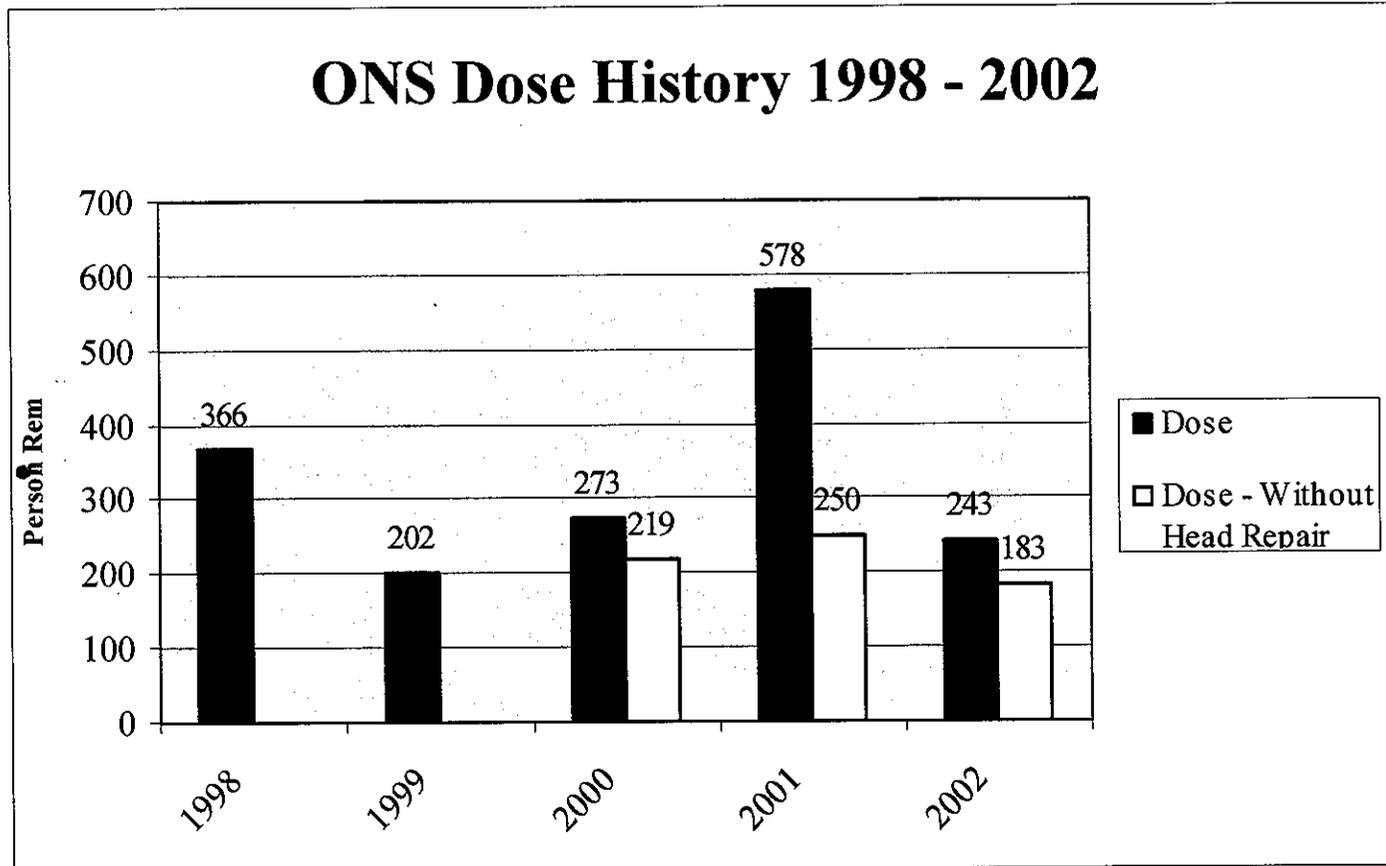


Oconee Reactor Scrams





Oconee Radiation Exposure



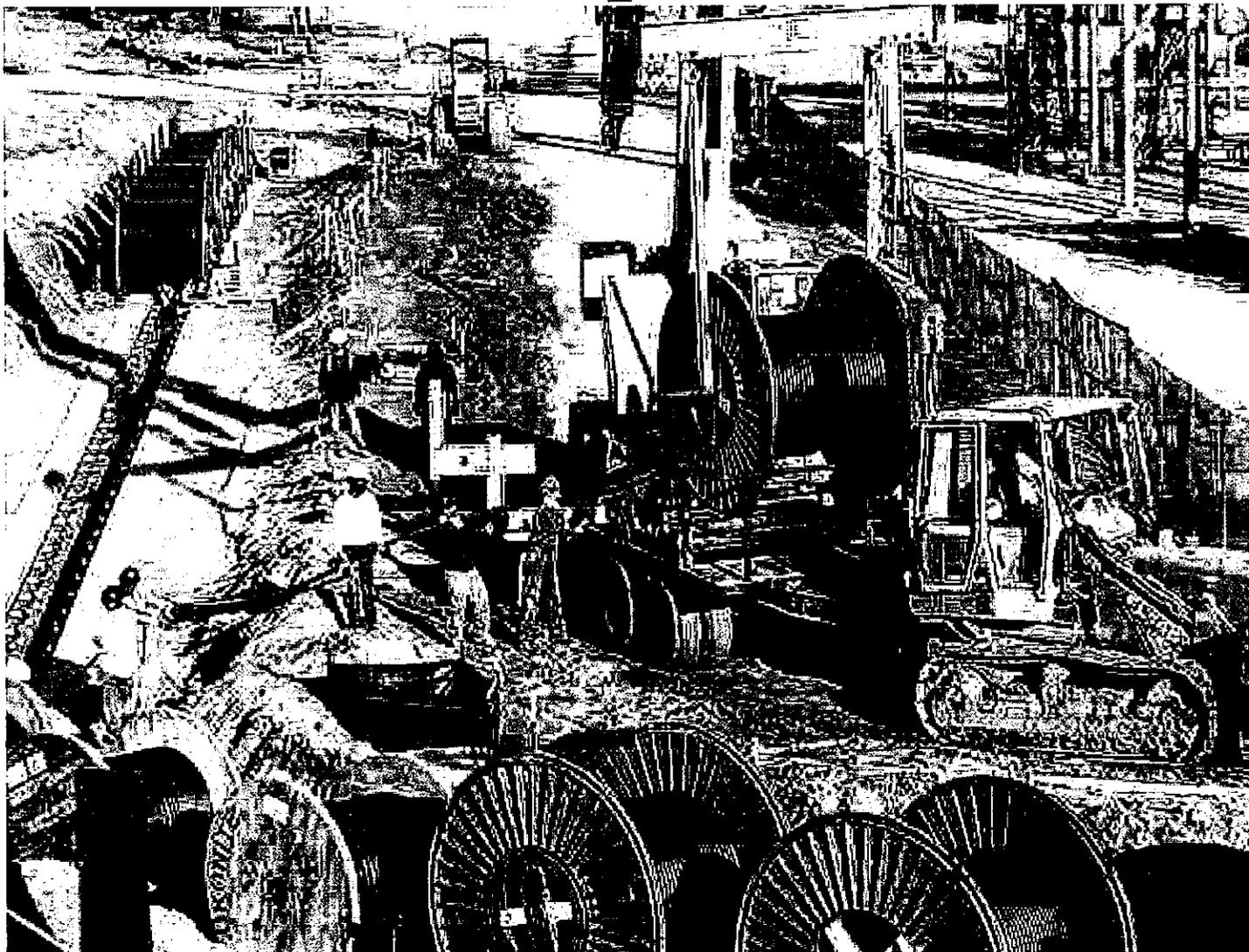


2002 Performance Highlights

- Achieved outstanding INPO Rating
- Implemented New Emergency Operating Procedures
- Daily Schedule Effectiveness Routinely $\geq 95\%$
- Corrective Work Order Inventory < 60 and Those Greater Than 180 Days Old < 20
- Human Performance Indicators (MISPOs, Rework, Etc) Trending in Right Direction



Underground Power Path Replacement



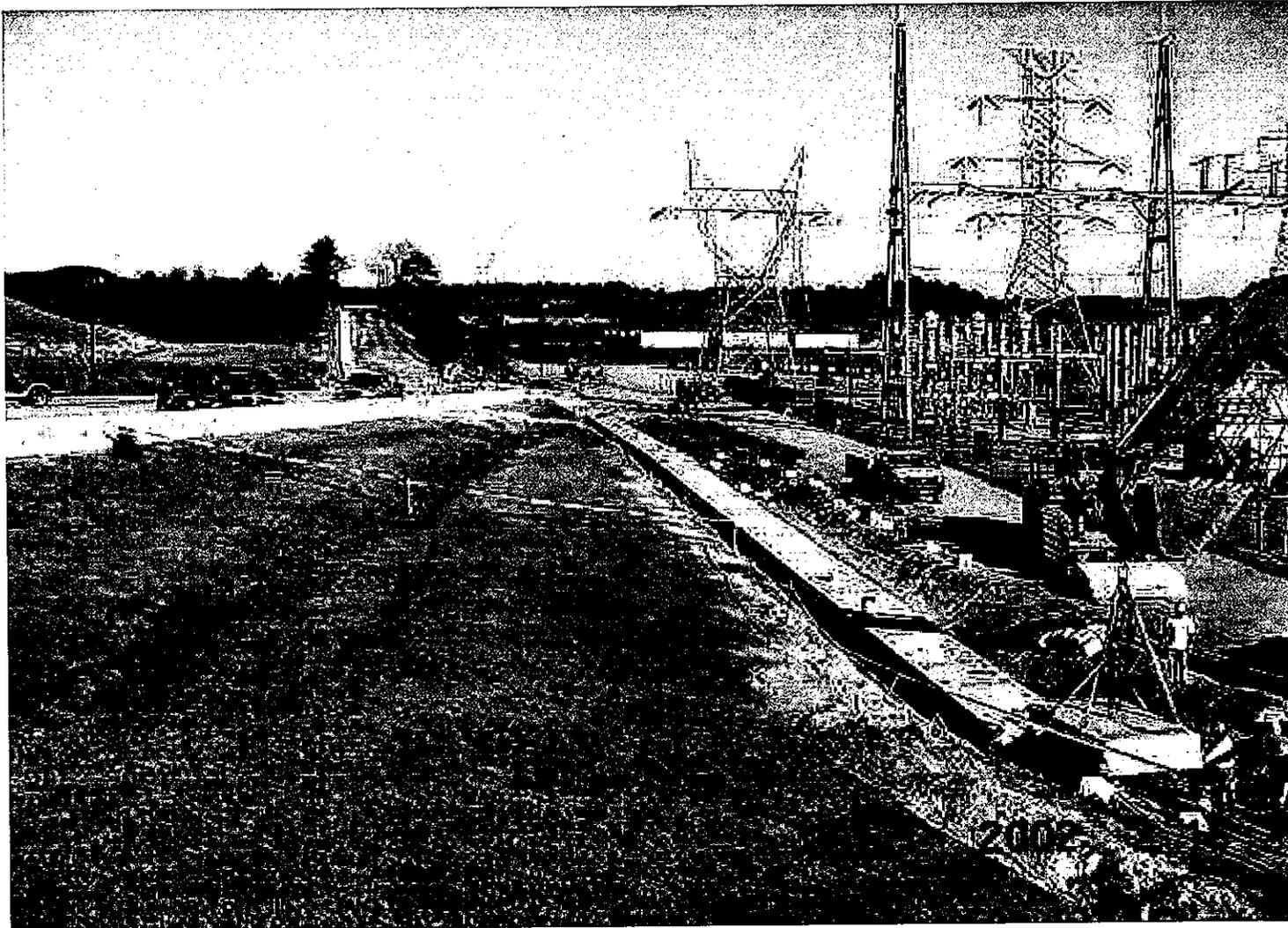


Underground Power Path Replacement





Underground Power Path Replacement





Plant Infrastructure Upgrade





Major Challenges 2003-2004

- New Reactor Vessel Head Installation
- New OTSG Installation
- Keowee Upgrades
- Modifications to ECCS
- Caustic Addition System Upgrade



Major Challenges 2003-2004

- Control Room Outside Air Intake Relocation
- Upper Surge Tank Mods
- Addition of 600 Volt Capacity
- New Digital EHC Controls
- ISFSI Phase 5



ONS Design Basis Initiative

- Mission
 - Provide a focused review of the design basis & implement enhancements to improve design margins and reduce plant risk
- Scope established based on:
 - Key safety systems
 - Event mitigation strategies
 - Design criteria / Design control
 - Risk insights



Completed Initiatives (as of August 2001)

- HPI/LPI SITA
- OSRDC
- Service Water Project
- Improved Tech Specs
- UFSAR Reverification
- Emergency Power Project
- EFW Design Study & Submittal
- Single Failure Analysis - 9 Key Systems
- Unit 1 RCP Seal Mod
- ECCS Design Study
- QA-5
- Configuration Management
- Review of Risk Significant Operator Actions
- Chapter 15 Accident Reanalysis
- Oconee Specific Seal LOCA Model



Completed Since Last Region II Update

- Completion of all 164 SQUG modifications
- Issued Two Column EOP
- RBS NPSH mod (Unit 2)
- AFIS mod (Units 1 and 2)
- EFW nitrogen mod (Units 1 and 2)
- Keowee auxiliary power modification and abnormal procedure
- Auxiliary Building curbs and sealing of pump room penetrations
- LP-15/16 QA-1 power (Unit 2)
- BWST vacuum breaker modification (Unit 2)
- MS Isolation Valve Replacements (Units 1, 2, and 3)
- 600/208 V Load Capacity (Unit 2)
- LP-19/20 cabling (Units 1 and 2)
- LPSW auto-start circuitry (Units 1, 2, and 3)
- EFW UFSAR Submittal Safety Evaluation
- Tornado Licensing Basis Submittal
- Control Room Habitability Submittal
- Generic Letter 96-06 Resolution Submittal
- Auxiliary Building Flooding Submittal
- HELB Submittal
- EFW Inventory Tech Spec Submittal



Initiatives In Progress

- SQUG Configuration Management
- EFW
- High Energy Line Break
- Tornado
- Time Critical Operator Actions
- ECCS Modifications
- GL 96-06
- Auxiliary Building Flooding
- Control Room Habitability
- Emergency Power
- MSLB/FWLB in East Penetration Room
- Historical Calculation Enhancement



Self Assessment

- Self Assessment completed this summer to identify additional design basis focus areas
- Independent consultant was used to validate the scope of the assessment and review completed work
- Conclusion of independent review is that significant progress has been made in improving Oconee's design basis
- Recommendations from the assessment have been reviewed and prioritized by the Oconee Design Review Board



Future Focus Areas

- Oconee's self assessment identified the following areas for additional review/initiatives
 - Seismic risk
 - SSF Reliability
 - Appendix R
 - Turbine Building flooding
 - External flooding
 - Containment isolation
 - Spent Fuel Pool cooling
- Lower level issues identified through the assessment are being resolved through the corrective action program

- # Closing Remarks