

December 13, 1984

Docket No. 50-461

MEMORANDUM FOR: Edward J. Butcher, Group Leader  
Technical Specification Review Group, DL

FROM: Carl S. Schulten, Reactor Engineer  
Technical Specification Review Group, DL

SUBJECT: MEETING MINUTES OF CLINTON POWER STATION SITE VISIT

A site visit to Clinton Power Station (CPS) was made on December 5, 1984. The purpose of my visit was to tour the plant and to discuss the schedule for development of CPS technical specifications with onsite personnel. Enclosure 1 is a list of attendees.

Discussion about the schedule for issuing CPS Fuel Load/Low Power License with technical specifications (TS) as Appendix A focused on the milestones and proposed dates provided to the applicant at the meeting (Enclosure 2). The applicant is holding to a January 3, 1986 fuel load date, a date that would schedule a first draft of the technical specifications for May 1985. The TS licensing staff at CPS are confident they can support this review date. The dates for the TS milestones are being adjusted accordingly and will be sent to the applicant under a separate cover letter.

The applicant has set an April 1, 1985 date to submit the PCP and ODCM programs for review. They expressed concern that this date might not be consistent with the staff's schedule. I informed the applicant TSRG does not review the programs although such programs are required in TS's. The licensing PM will be contacting the appropriate technical review branches about the applicant's PCP and ODCM submittal dates.

I provided the CPS licensing staff with a draft list of SER issues to be included in the CPS technical specifications (Enclosure 3). A final list will be provided at a later date together with the agreed upon CPS schedule for development of technical specifications.

Original signed by  
Carl S. Schulten, Reactor Engineer  
Technical Specification Review Group  
Division of Licensing

Enclosures:  
As stated

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

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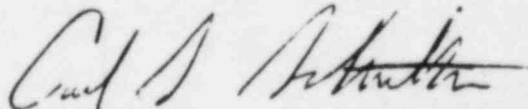
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Carl S. Schulten, Reactor Engineer  
Technical Specification Review Group  
Division of Licensing

Enclosures:  
As stated

LIST OF ATTENDEES DECEMBER 5, 1984 MEETING

CLINTON POWER STATION UNIT 1

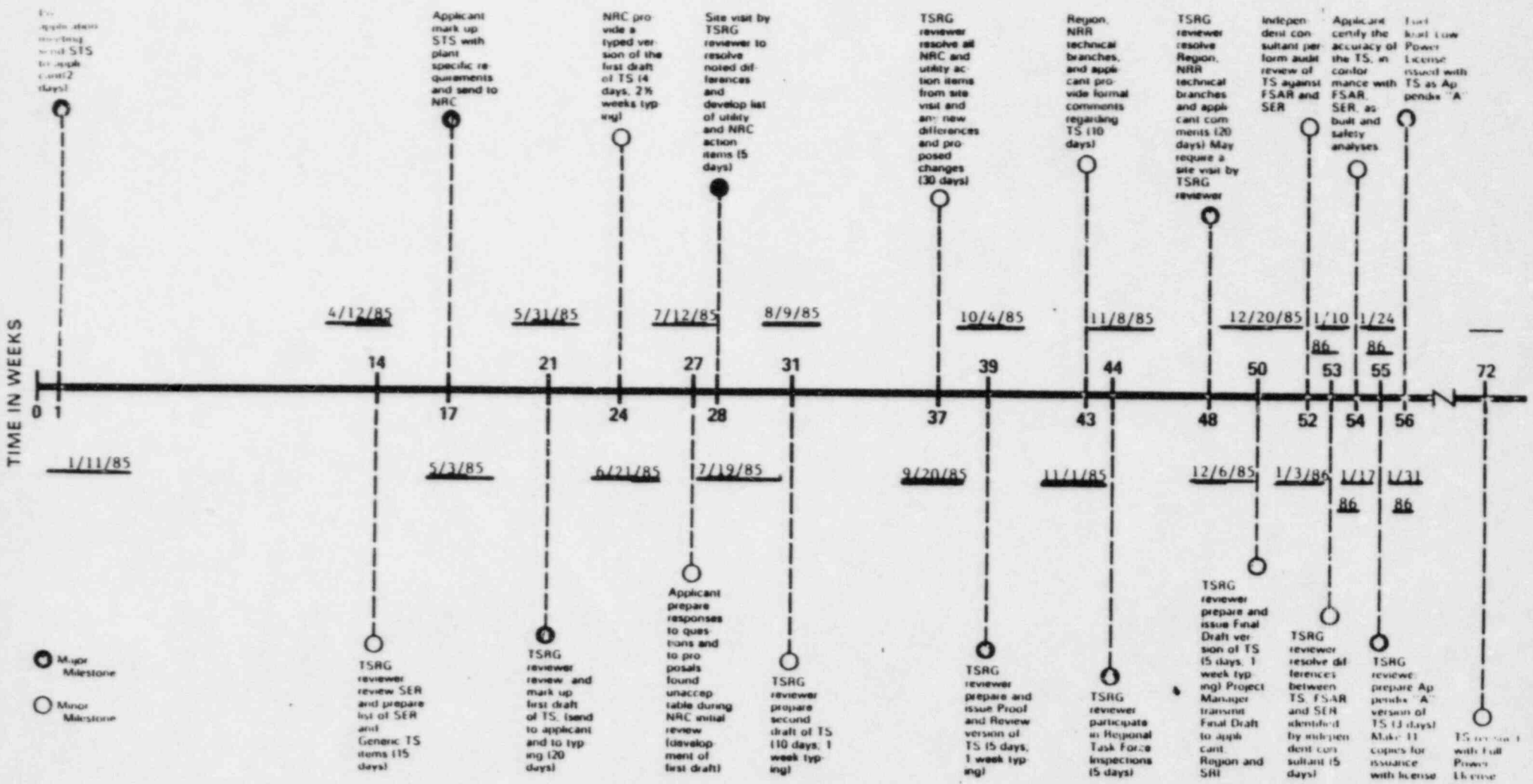
NRC

Byron Siegel  
Carl Schulten

CPS

Terry Grebel  
Thomas Elwood  
Dennis Majeres  
Michael Boyce  
Scott Plummer  
Dale Holtzscher  
Paige Hall  
Linda Ruzevick  
David Sykes  
Richard Phares

DEVELOPMENT OF TECHNICAL SPECIFICATIONS FOR CLINTON POWER STATION UNIT 1



Clinton Power Station SER Issues to be included in  
 Technical Specifications\*

CPS SER-NUREG-0853; February 1982

(1) Response time testing (7.2.3.2)	page 7-7
(2) HPCS/RCIC single-failure criteria (7.3.3.6)	page 7-20
(3) Turbine bypass system and level 8 high water level trip equipment (15.1)	page 15-5
(4) Single-loop operation not permitted without NRC approval (4.4.1 & 4.4.3).	
(5) Natural circulation operating mode not permitted (4.4.1 & 4.4.3).	page 4-27
(6) Core flow checked and average power range monitor-flow-biased scram calibrated to account for crud deposition (4.4.1).	page 4-24
(7) Sediment monitoring and dredging program (2.4.4)	page 2-21
(8) Control room leakage rate $\leq$ 4000 cfm at $\geq$ $\frac{1}{4}$ inch water gauge. (6.4)	page 6-33
(9) Containment bypass leakage $\leq$ 4 per cent (15.3)	page 15-10
(10) Modified GE 8X8 fuel design. (4.2.2)	page 4-4
(11) Limits to natural circulation operation (4.4.1)	page 4-23
(12) Reactor coolant pressure boundary leakage detection instrumentation. (5.2.5)	pages 5-11 to 5-13
(13) Unidentified leakage limits (5.2.5)	page 5-13
(14) Review of surveillance capsule data (5.3.1.2)	page 5-16
(15) Periodic high-point venting of ECCS and RCIC discharge lines (5.4.1)	page 5-19
(16) RCIC flow and functional testing (5.4.1)	page 5-19
(17) Steam bypass of the suppression pool. (6.2.1.7)	page 6-12
(18) Containment purge system valve testing frequency (6.2.4.1)	page 6-16

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\*The list provided here summarizes issues identified in SER Section 16, "Technical Specifications" and other issues taken from the Clinton SER document. The content will be updated from time to time.

- (19) Hydrogen ignition system (6.2.7) page 6-19
- (20) Recirculation flow control valve closure rate (6.3.2.3) page 6-28
- (21) Periodic ECCS Subsystem Component Tests (6.3.3.2) page 6-29
- (22) RCIC automatic restart signal on low water level (6.3.2.3) page 6-28
- (23) Substantial ECCS component outage times (6.3.4) page 6-32
- (24) Annual reporting of summary ECCS data (6.3.4) page 6-32
- (25) Control room leakage rate limits (6.4) page 6-33
- (26) MSIV leakage rate of 28 scfh (6.7) page 6-38
- (27) MSIV and MSIVLCS leak rate test frequency to STS (6.7) page 6-38
- (28) RPS trips (7.2.1) page 7-3
- (29) HPCS and RCIC minimum allowable out-of-service times  
(7.3.3.8) page 7-22
- (30) Removal of channel trip logic after fuel loading (7.6) page 7-41
- (31) Station electric distribution system voltage conform to  
STS (8.2.3) page 8-6
- (32) RPS circuitry alternate source supply LCO (8.3.1) page 8-12
- (33) Division 3 battery charging mode of operation (8.3.2) page 8-14
- (34) Spent fuel pool cooling pump periodic operation (9.1.3) page 9-5
- (35) Post-accident sampling capability to analyze suppression  
pool samples (9.3.5) page 9-20
- (36) Fire protection water supply system valves (9.5.1.1) page 9-27
- (37) Liquid radwaste system technical specifications (11.2.2) page 11-5
- (38) Zoning system and access control per 10 CFR 20.203 or  
STS (12.3.1) page 12-4
- (39) Reporting requirement for SRV failure and challenges (13.5) page 13-24
- (40) Simulated thermal power time constant (15.1) page 15-4
- CPS SSER No. 1 NUREG-0853 July 1982
- (41) Monitor and maintain UHS shoreline (2.6.5.5) page 2-6



- (42) LCO's on leaktight integrity for low pressure systems connected to RCS (3.9.6) page 3-6
- (43) Flexible conduit in the PGCC and in the RPS and MSIV circuits (8.4.7) page 8-2
- CPS SSER No. 2 NUREG-0853
- (44) Secondary containment leakage testing program (6.2.2) page 6-1
- (45) HVPS operating limits in Modes 1 through 3 (6.2.4) page 6-4
- (46) Leak test 36 inch vent/purge containment isolation valves (6.2.4) page 6-5
- (47) LCO's and surveillance requirements for Clinton STS and NSPS circuits (7.2.3.3) page 7-3 to 7-4
- (48) Post-accident sampling program to include analysis of RHR samples (9.3.5.1) page 9-2