TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

April 25, 1984

Chief, Management Information Branch
Office of Management and Program Analysis
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Sir:

WATTS BAR AND BELLEFONTE NUCLEAR PLANTS - CONSTRUCTION STATUS REPORT (NUREG-0030) (YELLOW BOOK)

Enclosed are our construction status reports for Tennessee Valley Authority's nuclear plants under construction. Entries on the sheets reflect the status as of March 31, 1984.

Watts Bar Units 1 and 2--The fuel load dates are as follows:

Unit 1 - June 1984
Unit 2 - December 1985

Bellefonte Units 1 and 2--The fuel load dates are as follows:

Unit 1 - October 1987
Unit 2 - October 1989

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager
Nuclear Licensing

Enclosures
cc: U.S. Nuclear Regulatory Commission (Enclosures)
Region II
Attn: James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 2900
Atlanta, Georgia 30303

8504120288 840606
PDR FOIA
KILLEFE84-367 PDR

PLANT CHARACTERISTICS:

DOCKET NO:	05000390
CP NO. & DATE ISSUED:	CPR-91 / 01-23-73
CP EXPIRATION DATE:	06-01-79
APPLICANT:	TENNESSEE VALLEY AUTHORITY
PLANT LOCATION:	RHEA COUNTY, TENNESSEE
IE REGION:	II
AE:	TVA
NSSS:	WESTINGHOUSE
CONSTRUCTOR:	TVA
REACTOR TYPE:	PWR
DER (MWE):	1165

KEY PERSONNEL:

CORPORATE CONTACT :	H. G. PARRIS, MANAGER OF POWER
CORPORATE ADDRESS :	500A CHESTNUT STREET TOWER II CHATTANOOGA, TENNESSEE 37401
CORPORATE PHONE NO :	(615) 751-2823
NRC LPM :	T. KENYON
IE PRINCIPAL INSPECTOR:	
-CONSTRUCTION:	P. FREDRICKSON
-TEST AND STARTUP:	D. HINCKLEY
IE RESIDENT INSPECTOR :	T. HEATHERLEY & W. SWAN

INSPECTION STATUS:

REPORT NUMBER	TIME PERIOD BEG DATE OF INSP.	TIME PERIOD END DATE OF INSP.
83-50	11-28-83	12-02-83
83-51	12-12-83	12-16-83
83-52	12-12-83	12-15-83
83-53	12-12-83	12-16-83
83-54	11-28-83	12-24-83
83-55	12-12-83	12-16-83
83-56	12-25-83	01-20-84
84-01	01-03-84	01-06-84
84-02	01-10-84	01-13-84
84-03	01-17-84	01-20-84
84-04	01-23-84	01-23-84
84-05	01-17-84	01-20-84
84-06	01-30-84	02-03-84
84-07	02-06-84	02-10-84
84-08	02-13-84	02-17-84
84-09	01-30-84	02-03-84
84-10	02-06-84	02-10-84
84-11	01-31-84	02-03-84
84-12	02-14-84	02-17-84
84-13	01-21-84	02-22-84
84-14	02-21-84	02-21-84
	02-23-84	02-24-84
84-16	02-28-84	03-02-84
84-18	03-06-84	03-09-84
84-19	02-27-84	03-02-84
84-21	03-12-84	03-15-84

FUEL LOAD DATE CHANGES AS REPORTED BY UTILITY:

REPORT DATE	NEW SCHEDULE	REASON FOR CHANGE REPORTED BY UTILITY
11-16-73	01-16-78	INABILITY TO OBTAIN STEEL ANCHOR BOLTS AND REINFORCING RODS.
05-14-74	06-00-78	REDESIGN OF CONTAINMENT TO ACCOMODATE HIGHER TRANSIENT PRESSURES, INABILITY TO OBTAIN REDESIGNED STEEL ANCHOR BOLTS AND REINFORCING RODS, PLUS AN INCREASE IN TIME
07-23-76	12-05-78	LATE DELIVERY OF PRINCIPAL PIPING, VALVES, AND HANGERS WHICH FORCED IMPOSSIBLE PEAKS IN STEAMFITTER MANPOWER.
01-09-78	06-00-79	LATE DELIVERY OF ICE CONDENSER EMBEDMENTS
11-07-78	12-00-79	NO REASON GIVEN.
09-12-79	09-01-80	NO REASON GIVEN.
09-10-80	11-00-81	NO REASON PROVIDED.
09-10-81	08-00-82	STEAM GENERATOR PROBLEMS AND PIPING
04-09-82	08-00-83	NO REASON PROVIDED
03-01-83	01-00-84	RESCHEDULING OF STEAM GENERATOR VIBRATION MODIFICATIONS AND VARIOUS PIPING SYSTEM MODIFICATIONS FOR WATER QUALITY IMPROVEMENT
10-11-83	04-00-84	PIPING ANALYSIS AND HANGER/SUPPORT DESIGN
01-23-84	06-14-84	NO REASON PROVIDED

LOCAL PUBLIC DOCUMENT ROOM:

CHATTANOOGA-HAMILTON COUNTY
BICENTENNIAL LIBRARY
1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

CONSTRUCTION STATUS:

APPLICANT'S CURRENT ESTIMATED FUEL LOADING DATE : 06-14-84
APPLICANT'S PREVIOUS ESTIMATED FUEL LOADING DATE : 04-00-84
APPLICANT'S ESTIMATED FUEL LOADING DATE AT CP ISSUANCE : 11-00-76
APPLICANT'S CURRENT ESTIMATED COMMERCIAL OPERATION DATE: 12-00-84

APPLICANT'S CONSTRUCTION COMPLETION ESTIMATE AS DEFINED IN CP: (EARLIEST)
(LATEST)

DATE CONSTRUCTION STARTED: 12-26-72

CURRENT ESTIMATED PERCENT CONSTRUCTION COMPLETE: 98%

CURRENT ESTIMATED CONSTRUCTION DURATION IN MONTHS: 139

COMMENTS REGARDING CURRENT CONSTRUCTION STATUS:

	ESTIMATED START	ACTUAL START	ESTIMATED COMPLETION	ACTUAL COMPLETION	ESTIMATED % COMPLETION
MOBILIZE AND PREPARE SITE:		12-26-72		04-15-74	100 %
PLACE STRUCTURAL CONCRETE:		04-09-74	02-07-84		99 %
INSTALL REACTOR PRESSURE VESSEL:		12-07-76		05-05-77	100 %
INSTALL LARGE BORE PROCESS PIPE:		10-17-77	02-07-84		99 %
INSTALL LARGE BORE PIPE HANGERS, RESTRAINTS, AND SNUBBERS:		10-17-77	05-17-84		95 %
INSTALL SMALL BORE PIPE:		07-01-77	05-17-84		99 %
INSTALL CABLE TRAY:		11-02-73	05-17-84		99 %
INSTALL EXPOSED METAL CONDUIT:		09-08-75	05-17-84		98 %
INSTALL POWER, CONTROL, INSTRUMENTATION, AND SECURITY CABLE:		06-03-76	05-17-84		99 %
INSTALL ELECTRICAL TERMINATIONS:		06-03-76	05-17-84		99 %
CONDUCT REACTOR COLD HYDROSTATIC TEST:		10-15-81		10-24-81	100 %
CONDUCT HOT FUNCTIONAL TEST:		05-31-83		08-28-83	100 %
CONDUCT PREOP AND ACCEPTANCE TESTS NECESSARY FOR FUEL LOAD:		01-02-79	06-14-84		71 %

PLANT CHARACTERISTICS:

DOCKET NO:	05000391
CP NO. & DATE ISSUED:	CPR-92 / 01-23-73
CP EXPIRATION DATE:	03-01-80
APPLICANT:	TENNESSEE VALLEY AUTHORITY
PLANT LOCATION:	RHEA COUNTY, TENNESSEE
IE REGION:	II
AE:	TVA
NSSS:	WESTINGHOUSE
CONSTRUCTOR:	TVA
REACTOR TYPE:	PWR
DER (MWE):	1165

KEY PERSONNEL:

CORPORATE CONTACT :	H. G. PARRIS, MANAGER OF POWER
CORPORATE ADDRESS :	500A CHESTNUT STREET TOWER II CHATTANOOGA, TENNESSEE 37401
CORPORATE PHONE NO :	(615) 751-2823
NRC LPM :	T. KENYON
IE PRINCIPAL INSPECTOR:	
-CONSTRUCTION:	P. FREDRICKSON
-TEST AND STARTUP:	D. HINCKLEY
IE RESIDENT INSPECTOR :	T. HEATHERLEY & W. SWAN

INSPECTION STATUS:

REPORT NUMBER	TIME PERIOD BEG DATE OF INSP.	TIME PERIOD END DATE OF INSP.
83-39	11-28-83	12-02-83
83-40	12-12-83	12-16-83
83-41	12-12-83	12-15-83
83-42	12-12-83	12-16-83
83-43	11-28-83	12-24-83
83-44	12-25-83	01-20-84
84-01	01-03-84	01-06-84
84-02	01-10-84	01-13-84
84-03	01-17-84	01-20-84
84-04	01-23-84	01-25-84
84-05	01-17-84	01-20-84
84-06	01-30-84	02-03-84
84-07	02-06-84	02-10-84
84-08	02-13-84	02-17-84
84-09	01-31-84	02-03-84
84-10	02-14-84	02-17-84
84-11	01-21-84	02-22-84
84-13	02-28-84	03-02-84
84-14	02-21-84	02-21-84
	02-23-84	02-24-84
84-15	02-27-84	03-02-84

FUEL LOAD DATE CHANGES AS REPORTED BY UTILITY:

REPORT DATE	NEW SCHEDULE	REASON FOR CHANGE REPORTED BY UTILITY
11-16-73	01-16-78	INABILITY TO OBTAIN STEEL ANCHOR BOLTS AND REINFORCING RODS.
05-14-74	06-00-78	REDESIGN OF CONTAINMENT TO ACCOMODATE HIGHER TRANSIENT PRESSURES, INABILITY TO OBTAIN REDESIGNED STEEL ANCHOR BOLTS AND REINFORCING RODS, PLUS AN INCREASE IN TIME
07-23-76	12-05-78	LATE DELIVERY OF PRINCIPAL PIPING, VALVES, AND HANGERS WHICH FORCED IMPOSSIBLE PEAKS IN STEAMFITTER MANPOWER.
01-09-78	06-00-79	LATE DELIVERY OF ICE CONDENSER EMBEDMENTS
11-07-78	12-00-79	NO REASON GIVEN.
09-12-79	09-01-80	NO REASON GIVEN.
09-10-80	11-00-81	NO REASON PROVIDED.
09-10-81	06-00-83	
04-09-82	08-00-84	STEAM GENERATOR PROBLEMS AND PIPING
01-21-82	12-00-84	NO REASON PROVIDED
03-31-83	01-00-85	NO REASON PROVIDED
06-30-83	01-00-85	NO REASON PROVIDED
10-11-83	10-00-85	PIPING ANALYSIS AND HANGER/SUPPORT DESIGN
01-23-84	12-00-85	NO REASON PROVIDED

LOCAL PUBLIC DOCUMENT ROOM:

CHATTANOOGA-HAMILTON COUNTY
BICENTENNIAL LIBRARY
1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

CONSTRUCTION STATUS:

APPLICANT'S CURRENT ESTIMATED FUEL LOADING DATE : 12-00-85
APPLICANT'S PREVIOUS ESTIMATED FUEL LOADING DATE : 10-00-85
APPLICANT'S ESTIMATED FUEL LOADING DATE AT CP ISSUANCE : 05-00-77
APPLICANT'S CURRENT ESTIMATED COMMERCIAL OPERATION DATE: 03-00-87

APPLICANT'S CONSTRUCTION COMPLETION ESTIMATE AS DEFINED IN CP: (EARLIEST)
(LATEST)

DATE CONSTRUCTION STARTED: 12-26-72

CURRENT ESTIMATED PERCENT CONSTRUCTION COMPLETE: 60%

CURRENT ESTIMATED CONSTRUCTION DURATION IN MONTHS: 161

COMMENTS REGARDING CURRENT CONSTRUCTION STATUS:

	ESTIMATED START	ACTUAL START	ESTIMATED COMPLETION	ACTUAL COMPLETION	ESTIMATED % COMPLETION
MOBILIZE AND PREPARE SITE:		12-26-72		04-15-74	100 %
PLACE STRUCTURAL CONCRETE:		05-10-74	07-01-85		99 %
INSTALL REACTOR PRESSURE VESSEL:		06-30-77		10-10-77	100 %
INSTALL LARGE BORE PROCESS PIPE:		12-09-77	07-01-85		66 %
INSTALL LARGE BORE PIPE HANGERS, RESTRAINTS, AND SNUBBERS:		03-10-78	07-01-85		17 %
INSTALL SMALL BORE PIPE:		11-01-77	07-01-85		51 %
INSTALL CABLE TRAY:		11-02-73	07-01-85		85 %
INSTALL EXPOSED METAL CONDUIT:		09-08-75	07-01-85		75 %
INSTALL POWER, CONTROL, INSTRUMENTATION, AND SECURITY CABLE:		08-20-76	07-01-85		79 %
INSTALL ELECTRICAL TERMINATIONS:		08-20-76	07-01-85		66 %
CONDUCT REACTOR COLD HYDROSTATIC TEST:	07-25-84		08-08-84		0 %
CONDUCT HOT FUNCTIONAL TEST:	02-06-85		04-24-85		0 %
CONDUCT PREOP AND ACCEPTANCE TESTS NECESSARY FOR FUEL LOAD:	01-17-85		12-00-85		0 %

PLANT CHARACTERISTICS:

DOCKET NO:	05000438
CP NO. & DATE ISSUED:	CPR-122 / 12-24-74
CP EXPIRATION DATE:	03-01-83
APPLICANT:	TENNESSEE VALLEY AUTHORITY
PLANT LOCATION:	JACKSON COUNTY, ALABAMA
IE REGION:	II
AE:	TVA
NSSS:	BABCOCK & WILCOX
CONSTRUCTOR:	TVA
REACTOR TYPE:	PWR
DER (MWE):	1235

KEY PERSONNEL:

CORPORATE CONTACT :	H. G. PARRIS, MANAGER OF POWER
CORPORATE ADDRESS :	500A CHESTNUT STREET TOWER II CHATTANOOGA, TENNESSEE 37401
CORPORATE PHONE NO :	(615) 751-2823
NRC LPM :	R. Herman
IE PRINCIPAL INSPECTOR:	
-CONSTRUCTION:	P. FREDRICKSON
-TEST AND STARTUP:	
IE RESIDENT INSPECTOR :	J. D. WILCOX

INSPECTION STATUS:

TIME PERIOD		
REPORT NUMBER	BEG DATE OF INSP.	END DATE OF INSP.
83-30	11-07-83	11-10-83
	11-14-83	11-18-83
	12-09-83	12-09-83
83-31	11-01-83	12-06-83
83-32	12-12-83	12-15-83
83-33	12-06-83	12-31-83
84-01	01-01-84	01-31-84
84-03	02-07-84	02-10-84
84-04	02-07-84	02-11-84
84-05	02-01-84	02-29-84
84-06	03-06-84	03-09-84

FUEL LOAD DATE CHANGES AS REPORTED BY UTILITY:

REPORT DATE	NEW SCHEDULE	REASON FOR CHANGE REPORTED BY UTILITY
04-11-75	12-00-79	NO REASON NOTED.
09-06-78	03-00-81	NO REASON NOTED.
08-16-79	09-00-82	NO REASON NOTED.
09-10-80	03-00-83	NO REASON NOTED.
12-01-81	09-00-83	NO REASON NOTED.
06-30-82	05-00-85	NO REASON NOTED.
12-02-83	10-00-87	NO REASON NOTED.

CONSTRUCTION STATUS:

APPLICANT'S CURRENT ESTIMATED FUEL LOADING DATE : 10-00-87
APPLICANT'S PREVIOUS ESTIMATED FUEL LOADING DATE : 05-00-85
APPLICANT'S ESTIMATED FUEL LOADING DATE AT CP ISSUANCE : 06-00-79
APPLICANT'S CURRENT ESTIMATED COMMERCIAL OPERATION DATE: 11-00-85

APPLICANT'S CONSTRUCTION COMPLETION ESTIMATE AS DEFINED IN CP: (EARLIEST) - 06-01-79
(LATEST) - 12-01-79

DATE CONSTRUCTION STARTED: 09-18-74

CURRENT ESTIMATED PERCENT CONSTRUCTION COMPLETE: 79%

CURRENT ESTIMATED CONSTRUCTION DURATION IN MONTHS: 157

COMMENTS REGARDING CURRENT CONSTRUCTION STATUS:

	ESTIMATED START	ACTUAL START	ESTIMATED COMPLETION	ACTUAL COMPLETION	ESTIMATED % COMPLETION
MOBILIZE AND PREPARE SITE:		09-00-74		07-00-75	100 %
PLACE STRUCTURAL CONCRETE:		06-00-75		08-00-82	100 %
INSTALL REACTOR PRESSURE VESSEL:		08-00-76		11-00-76	100 %
INSTALL LARGE BORE PROCESS PIPE:		10-00-75	07-00-86		98 %
INSTALL LARGE BORE PIPE HANGERS, RESTRAINTS, AND SNUBBERS:		05-00-77	09-00-86		83 %
INSTALL SMALL BORE PIPE:		01-00-76	07-00-86		96 %
INSTALL CABLE TRAY:		02-00-77	10-00-85		99 %
INSTALL EXPOSED METAL CONDUIT:		04-00-75	03-00-86		82 %
INSTALL POWER, CONTROL, INSTRUMENTATION, AND SECURITY CABLE:		11-00-77	08-00-86		84 %
INSTALL ELECTRICAL TERMINATIONS:		03-00-78	08-00-86		82 %
CONDUCT REACTOR COLD HYDROSTATIC TEST:	05-00-86		06-00-86		0 %
CONDUCT HOT FUNCTIONAL TEST:	09-00-86		11-00-86		0 %
CONDUCT PREOP AND ACCEPTANCE TESTS NECESSARY FOR FUEL LOAD:		01-00-82	10-00-87		5 %

PLANT CHARACTERISTICS:

DOCKET NO:	05000439
CP NO. & DATE ISSUED:	CPR-123 / 12-24-74
CP EXPIRATION DATE:	12-01-83
APPLICANT:	TENNESSEE VALLEY AUTHORITY
PLANT LOCATION:	JACKSON COUNTY, ALABAMA
IE REGION:	II
AE:	TVA
NSSS:	BABCOCK & WILCOX
CONSTRUCTOR:	TVA
REACTOR TYPE:	PWR
DER (MWE):	1235

KEY PERSONNEL:

CORPORATE CONTACT :	H. G. PARRIS, MANAGER OF POWER
CORPORATE ADDRESS :	500A CHESTNUT STREET TOWER II CHATTANOOGA, TENNESSEE 37401
CORPORATE PHONE NO :	(615) 751-2823
NRC LPM :	R. HERMAN
IE PRINCIPAL INSPECTOR:	
-CONSTRUCTION:	P. FREDRICKSON
-TEST AND STARTUP:	
IE RESIDENT INSPECTOR :	J. D. WILCOX

INSPECTION STATUS:

REPORT NUMBER	TIME PERIOD BEG DATE OF INSP.	TIME PERIOD END DATE OF INSP.
83-30	11-07-83	11-10-83
	11-14-83	11-18-83
	12-09-83	12-09-83
83-31	11-01-83	12-06-83
83-32	12-12-83	12-15-83
83-33	12-06-83	12-31-83
84-01	01-01-84	01-31-84
84-03	02-07-84	02-10-84
84-04	02-07-84	02-11-84
84-05	02-01-84	02-29-84
84-06	03-06-84	03-09-84

FUEL LOAD DATE CHANGES
AS REPORTED BY UTILITY:

REPORT DATE	NEW SCHEDULE	REASON FOR CHANGE REPORTED BY UTILITY
04-11-75	12-00-79	NO REASON NOTED.
09-06-78	03-00-81	NO REASON NOTED.
08-16-79	09-00-82	NO REASON NOTED.
09-10-80	09-00-84	NO REASON NOTED.
06-30-82	05-00-86	NO REASON NOTED.
12-02-83	10-00-89	NO REASON NOTED.

LOCAL PUBLIC DOCUMENT ROOM:

SCOTTSBORO PUBLIC LIBRARY
1002 SOUTH BROAD STREET
SCOTTSBORO, ALABAMA 35768

CONSTRUCTION STATUS:

APPLICANT'S CURRENT ESTIMATED FUEL LOADING DATE : 10-00-89
APPLICANT'S PREVIOUS ESTIMATED FUEL LOADING DATE : 05-00-86
APPLICANT'S ESTIMATED FUEL LOADING DATE AT CP ISSUANCE : 03-00-80
APPLICANT'S CURRENT ESTIMATED COMMERCIAL OPERATION DATE: 11-00-86

APPLICANT'S CONSTRUCTION COMPLETION ESTIMATE AS DEFINED IN CP: (EARLIEST) - 03-01-80
(LATEST) - 09-01-80

DATE CONSTRUCTION STARTED: 09-18-74

CURRENT ESTIMATED PERCENT CONSTRUCTION COMPLETE: 57%

CURRENT ESTIMATED CONSTRUCTION DURATION IN MONTHS: 181

COMMENTS REGARDING CURRENT CONSTRUCTION STATUS:

	ESTIMATED START	ACTUAL START	ESTIMATED COMPLETION	ACTUAL COMPLETION	ESTIMATED % COMPLETION
MOBILIZE AND PREPARE SITE:		09-00-74		07-00-75	100 %
PLACE STRUCTURAL CONCRETE:		06-00-75		06-00-83	100 %
INSTALL REACTOR PRESSURE VESSEL:		02-00-77		02-00-77	100 %
INSTALL LARGE BORE PROCESS PIPE:		10-00-75	07-00-88		76 %
INSTALL LARGE BORE PIPE HANGERS, RESTRAINTS, AND SNUBBERS:		07-00-78	09-00-88		39 %
INSTALL SMALL BORE PIPE:		09-00-77	07-00-88		55 %
INSTALL CABLE TRAY:		05-00-77	10-00-87		93 %
INSTALL EXPOSED METAL CONDUIT:		10-00-75	03-00-88		63 %
INSTALL POWER, CONTROL, INSTRUMENTATION, AND SECURITY CABLE:		03-00-78	08-00-88		62 %
INSTALL ELECTRICAL TERMINATIONS:		04-00-78	08-00-88		53 %
CONDUCT REACTOR COLD HYDROSTATIC TEST:	05-00 88		06-00-88		0 %
CONDUCT HOT FUNCTIONAL TEST:	09-00-88		11-00-88		0 %
CONDUCT PREOP AND ACCEPTANCE TESTS NECESSARY FOR FUEL LOAD:	04-00-84		10-00-89		0 %