REQUEST FOR RECORDS DISPOSITION AUTHORITY
(See Instructions on reverse)

LEAVE BLANK

JOB NO

NCl-142-83-1

DATE RECEIVED
10-19-82

NOTIFICATION TO AGENCY

In accordance with the provisions of 44 U S C 3303a the disposal request including amendments, is approved except for items that may be stamped "disposal not approved" or "withdrawn" in column 10

11-22-82 Date Archivist of the United States

TO GENERAL SERVICES ADMINISTRATION,
NATIONAL ARCHIVES AND RECORDS SERVICE, WASHINGTON, DC 20408

1 FROM (AGENCY OR ESTABLISHMENT) Tennessee Valley Authority	
2 MAJOR SUBDIVISION Office of Power	
3 MINOR SUBDIVISION Division of Nuclear Power	
4 NAME OF PERSON WITH WHOM TO CONFER Ronald E. Brewer	5 TEL EXT FTS 858-2520

6 CERTIFICATE OF AGENCY REPRESENTATIVE

I hereby certify that I am authorized to act for this agency in matters pertaining to the disposal of the agency's records, that the records proposed for disposal in this Request of __3__ page(s) are not now needed for the business of this agency or will not be needed after the retention periods specified

☐ **A** Request for immediate disposal

☒ **B** Request for disposal after a specified period of time or request for permanent retention

C DATE	D SIGNATURE OF AGENCY REPRESENTATIVE	E TITLE
10/13/82	Ronald E. Brewer	Assistant TVA Archivist

7 ITEM NO	8 DESCRIPTION OF ITEM (With Inclusive Dates or Retention Periods)	9 SAMPLE OR JOB NO	10 ACTION TAKEN
	CYCLE DEPENDENT STARTUP DATA This record series consists of background materials, reports, and printouts, generated during the installation and verification of process computer constants at the beginning of each full cycle at TVA's operating nuclear plants. The process computer constants provide calculations for evaluating reactor operating conditions and for monitoring technical specification operating limits as imposed by the Nuclear Regulatory Commission (NRC). The several steps required in this procedure are performed sequentially before, during, and after the unit startup. Preliminary work is done in the central office of Reactor Engineering Branch. Reactor engineers verify on PRIME minicomputer, the computer constants for fuel installation provided by the vendor and		

2 items

115-107

To agency, by RTB, 12/13/82
no copy to FRC - MDC Sheet Not Needed
to 4KRA, 12/13/82 Closed out : 12-14-82: cm

7 ITEM NO	8 DESCRIPTION OF ITEM (With Inclusive Dates or Retention Periods)	9 SAMPLE OR JOB NO	10 ACTION TAKEN
	gather all background information associated with the new fuel cycle, i.e., vendor letters and TVA memorandums containing information necessary to install and verify the new process computer data.

The central office engineers then assist the nuclear plant reactor engineers in the installation and verification of the process computer data constants. The data constants are provided by the vendor on magnetic tape which is returned to the vendor following startup.

The final operation is the completion of a refuel test instruction during startup. The purpose of this test is to verify the performance of the process computer under plant operating conditions and to evaluate the core performance parameters of core flow rate, core thermal power level, the core minimum critical power ratio, the maximum average planar linear heat generation rate, and the maximum linear heat generation rate of any rod in any fuel assembly. The completed startup test instruction serves as record for NRC requirements and is input into the Nuclear Plant Document Control System at the plant.

Upon completion of the final procedure, Reactor Engineering Branch engineers write a report describing the activities which took place during the performance of the procedures. The report is included as part of this record series and a copy of the report is sent to the nuclear plant.

This record series provides valuable supporting background information to the Reactor Engineering Branch. Preparation and verification of the process computer data for a new cycle depends on data from previous cycles. Retention of this information, in the form of computer printouts, provides a record of all data installed on the process computer. This information is also used during the fuel cycles to review the data on the process computer to determine if there are errors or if changes are necessary. This information may also be used in supporting Reactor Engineering Branch in any questioning by NRC in regard to the refuel test instruction. | | |

115-203   Four copies, including original, to be submitted to the National Archives   STANDARD FORM 115-A
Revised July 1974
Prescribed by General Services Administration
FPMR (41 CFR) 101-11 4

GPO 1975 O - 579-387

7. ITEM NO	8 DESCRIPTION OF ITEM (With Inclusive Dates or Retention Periods)	9 SAMPLE OR JOB NO	10 ACTION TAKEN
1	Disposition: A. Paper copies - Destroy in Agency when microfiche is verified. B. Microfiche - Destroy in Agency when nuclear facility is retired. *Not authorized for transfer to FRC.*		

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