

REQUEST FOR RECORDS DISPOSITION AUTHORITY

(See Instructions on reverse)

TO NATIONAL ARCHIVES and RECORDS ADMINISTRATION (NIR)
WASHINGTON, DC 20408

1. FROM (Agency or establishment)

Tennessee Valley Authority

2. MAJOR SUBDIVISION

Customer Group

3. MINOR SUBDIVISION

4. NAME OF PERSON WITH WHOM TO CONFER

vfc
Georgia Greene

5. TELEPHONE

615-751-3701

LEAVE BLANK (NARA use only)

JOB NUMBER

NI-142.95.7

DATE RECEIVED

12.8.94

NOTIFICATION TO AGENCY

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request, including amendments, is approved except for items that may be marked "disposition not approved" or "withdrawn" in column 10

DATE

ARCHIVIST OF THE UNITED STATES

1-26-96 *John W. Paul*

6. AGENCY CERTIFICATION

I hereby certify that I am authorized to act for this agency in matters pertaining to the disposition of its records and that the records proposed for disposal on the attached ___ page(s) are not now needed for the business of this agency or will not be needed after the retention periods specified; and that written concurrence from the General Accounting Office, under the provisions of Title 8 of the GAO Manual for Guidance of Federal Agencies,

is not required; is attached; or has been requested.

DATE

11/28/94

SIGNATURE OF AGENCY REPRESENTATIVE

Georgia S. Greene

TITLE

for
Assistant TVA Archivist

7. ITEM NO.	8. DESCRIPTION OF ITEM AND PROPOSED DISPOSITION	9. GRS OR SUPERSEDED JOB CITATION	10. ACTION TAKEN (NARA USE ONLY)
	See the attached schedule for Oscillogram and Transient Recorder Records.		

JAN 31 1996 *MAR*
agency
replied to: NSR

OSCILLOGRAM AND TRANSIENT RECORDER RECORDS

Oscillographs and digital transient recorders (DTRs) are located at numerous substations and generating plants and record intricate details of instantaneous power system quantities such as voltage, load and fault current, breaker operations, carrier communications, transfer trip signals, and protective relay polarizing values during the brief instant surrounding a transmission system fault or major disturbance. The oscillograph recordings are made on chemical-treated, light-sensitive paper which must not be exposed to moisture or extreme temperatures. The DTR records are stored as computer-generated plots on normal paper, floppy discs, or magnetic tape. These values and quantities are available from no other source and are critical to the evaluation of adequate or appropriate operation of power system equipment and protective relay systems. In addition, these quantities are used to establish the severity of fault duty that has been imposed on protective and other power system equipment.

In the event of equipment failure, this data is used by TVA and the equipment manufacturers to establish the nature and extent of the failure for estimations of necessary repairs, and warranties can be executed without significant disputes. In questionable operations, older records from incidents of similar circumstances are used for comparison in order to make engineering judgments on the probable cause and possible extent of damage.

In the event of transmission system disturbances that involve personal injury or damage to private facilities or equipment, the recorded information is used to verify appropriate protective equipment actions and timing. Due to TVA's potential involvement in legal proceedings associated with such cases, the proper execution of equipment warranties, and the useful nature of the historical records in the analysis of new disturbances, it is recommended that these records be maintained for a minimum of seven (7) years from the original date of the records. There are two cu. ft. of these records in the Muscle Shoals Records Center and 37 cu. ft. in the Chattanooga Records Center.

The record copy is maintained by the Transmission Operations Department. When volume warrants it, the records may be transferred to the Chattanooga Records Center.

DISPOSITION

A. Record Copy

Destroy when 7 years old.

B. Copies

Destroy when no longer needed not to exceed two years.

1716B

11/21/94