

<b>REQUEST FOR RECORDS DISPOSITION AUTHORITY</b> <i>(See Instructions on reverse)</i>		<b>LEAVE BLANK (NARA use only)</b>	
10 NATIONAL ARCHIVES and RECORDS ADMINISTRATION (NIR) WASHINGTON, DC 20408		JOB NUMBER N1-142-97-7	DATE RECEIVED 2-23-97
1. FROM (Agency or establishment) TENNESSEE VALLEY AUTHORITY		NOTIFICATION TO AGENCY	
2. MAJOR SUBDIVISION RESOURCE GROUP		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request, including amendments, is approved except for items that may be marked "disposition not approved" or "withdrawn" in column 10	
3. MINOR SUBDIVISION			
4. NAME OF PERSON WITH WHOM TO CONFER Georgia S. Greene	5. TELEPHONE (423) 751-3701	DATE 9-25-97	ARCHIVIST OF THE UNITED STATES <i>John W. Paul</i>

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 2/4/97	SIGNATURE OF AGENCY REPRESENTATIVE <i>Georgia S. Greene</i>	TITLE <i>Assistant TVA Archivist</i>
----------------	--	---

7. ITEM NO.	8. DESCRIPTION OF ITEM AND PROPOSED DISPOSITION	9. GRS OR SUPERSEDED JOB CITATION	10. ACTION TAKEN (NARA USE ONLY)
1.	AIR WATER QUALITY CHARTS (Please see the attached page) Reference - NCI-142-78-2		

## Air/Water Quality Charts

This data includes SO<sub>2</sub>, NO<sub>2</sub>, and ozone analog strip chart records and associated calibration records. Prior to 1988, these included AISI charts, windspeed charts, wind direction charts, air temperature charts, hygro-thermograph charts, and dewpoint charts (by rolls, by plant name, by monitor type, station no. or site no.)

Until August 1988, these data were digitally recorded, averaged, printed on a teletype, and punched on a paper tape with mini-computer system. Data was transferred from the paper tape to a mainframe file using a paper tape reader. The paper tape served as the primary input medium to the Air/Water Quality Processing programs maintained by Data Services Branch (now Engineering Services) which inventoried and printed data. Preliminary data was digitally-recorded data, which when judged to be valid, based upon calibration and maintenance records and analog chart review, were used by TVA in assessment (licensing) and compliance activities. The data in the mainframe file was included in a magnetic-tape based data base.

In August 1988, the mini-computer based data logging systems were replaced with microcomputer based data loggers. The mainframe data base system was replaced with a data base system that operates on a personal computer.

Analog chart recordings from windspeed and wind direction instruments were discontinued in 1988 at sites operated in support of TVA's fossil fueled plants. Air temperature charts, dewpoint charts, hygro-thermograph charts, and coefficients of haze charts were discontinued earlier.

After all the data for a year was "initially validated", the data were rolled off of the rotating master and onto a magnetic permanent storage master tape. The year-end master tape is then backed up onto another magnetic tape which is stored in an environmentally controlled vault at another site. After backing up the year-end tape, the data from this tape was microfiched in "initially validated" printout format and distributed to other organizations. The records were microfilmed in accordance with FPMR 1091-11.4 and FPMR 101-11.5.

DISPOSITION

## A. Preliminary data used to update the master primary data files

~~1. Paper tape, Teletype, and Cassettes~~

~~Destroy when 90 days old.~~

2. Analog Strip charts - Destroy when 5 years old

(NC1-142-78-2, Item 1A4)

## B. Magnetic Master Data Tape (ENDSTORE) and microfiche (converted to NEXSTORE by 1993). Resource Group's Maps and Surveys Department and Atmospheric Science Department have a copy of the NEXSTORE data base. The actual microfiche is maintained in the Resource Group Engineering Services organization.

1. Nuclear Plant Data

Charts (paper copies) - Destroy when 18 months old.

*6 years old per telecon with Donna Howard 7/22/97  
Sj Elter*

~~Printouts (Raw data or IF (Initially Flagged) printouts)~~

~~Microfiche (edited data) - no longer filmed~~

~~Transfer to the Federal Records Center after 5 years. Destroy when 60 years old.~~

~~Magnetic Master Data Tape - Destroy when 60 years old.~~

2. Hydro and Steam Plant Data

Magnetic Data Tape - Destroy when 60 years old

## C. 16mm Roll Microfilm of Hydro and Steam Plant Data

(This film is presently stored at the Federal Records Center, East Point Georgia)

Destroy six years after the plant is retired.

(NC1-142-78-2, Item 1C)