

REQUEST FOR RECORDS DISPOSITION AUTHORITY		LEAVE BLANK (NARA use only)	
TO NATIONAL ARCHIVES and RECORDS ADMINISTRATION (NIR) WASHINGTON, DC 20408		JOB NUMBER	<i>N1-142-97-20</i>
1 FROM (Agency or establishment) Tennessee Valley Authority		DATE RECEIVED	<i>7-8-97</i>
2 MAJOR SUBDIVISION Resource Group		NOTIFICATION TO AGENCY	
3 MINOR SUBDIVISION Data System		In accordance with the provision of 44 U S C 3303a the disposition request, including amendments, is approved except for may items that be marked "disposition not approved" or "withdrawn" in column to	
4 NAME OF PERSON WITH WHOM TO CONFER	5 TELEPHONE	DATE	ARCHIVIST OF THE UNITED STATES
Donna S Howard	(423) 751-8888	<i>10-2-97</i>	<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 on the attached (<u>pages</u>) 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, <input checked="" type="checkbox"/> is not required, <input type="checkbox"/> is attached, or <input type="checkbox"/> has been requested			
DATE	SIGNATURE OF AGENCY REPRESENTATIVE	TITLE	
<i>6/25/97</i>	<i>Georgia S. Greene</i>	<i>Manager, Records Management</i>	
7 ITEM NO	8 DESCRIPTION OF ITEM AND PROPOSED DISPOSITION	9 GRS OR SUPERSEDED JOB CITATION	10 ACTION TAKEN (NARA USE ONLY)
1	Water Temperature Data in Data System Added items D through I See the attached schedule for Water Temperature Data which was previously approved by jobs NC1-142-82-3 item 1, and N1-142-88-4 item 1 B Additional records have been added and a longer retention for Recorder Charts is requested		

OCT 27 1997 *MHA**Copy to: Agency
NR*

WATER TEMPERATURE DATA IN DATA SYSTEMS

Water temperature data is collected at various stations and sites in the Tennessee River Basin by the Data Systems Department to determine the maximum, minimum, and average water temperatures. The collection of this information by field personnel is performed in order to fulfill requests by various organizations within and outside TVA. The data is used to supply information routinely requested by other sections and organizations.

The data is used in site evaluations, Safety Analysis Reports, and by various facilities before and during operation (i.e., power plants and water treatment plants). Also, the information is used by cities and industries in establishing water temperature trends, by industrial and recreational water users, and by cities wanting to use the water as a source of water supply. Data is also supplied to U.S. Geological Survey for recording trends in water temperature.

In the early years of TVA, when a request was received for water temperature data, field personnel visited the sites and manually measured the temperature of the water. The original figures were recorded in field books (which are no longer accumulating). Later, recording gauges were installed to measure the temperature automatically at specific locations and are still being used. The gauges register the temperature on recorder charts. The data inscribed in field books and on recorder charts was sent to Data Management Section. When a request was made by an organization, the information was plotted on a monthly or annual sheet and sent to the requestor. The water temperature plots are being retained to document the information sent to the requestor and for future reference. The annual rate of accumulation is less than 5 cu ft. Inclusive dates of these records are 1936 to date and continuing. The filing arrangement is by river name, mile location, and date. The water temperature plots have scientific and litigative value.

DISPOSITION

- ~~A~~ Water Temperature Plots
Transfer to the Knoxville Record Center every 5 years. Destroy when 55 years old.
(NC1-142-82-3, Item 1)
- ~~B~~ Field Data Index Books
Destroy when 10 years old.
(N1-142-88-4, Item 1 B)
- C Water temperature recorder charts, and related correspondence
Destroy when 55 years old. Break file every 5 years and send to Knoxville Records Center. (Previously NC1-142-88-4 item 1 C)
- D Trouble Reports, (form TVA 11038) document problems found with water temperature hardware or software. These records are located in Engineering Services, Data Systems.
Destroy when 6 years old.

E Problem Solving Reports (form TVA 30068) is initiated by Field Engineering and documents water temperature data problems

Destroy when 6 years old

F Monthly Checks of Stream gauges

Destroy when 6 years old

G Water Temperature Sensor Calibration (form TVA 0411W)

Destroy when 6 years old

H Calibration Thermal Monitoring Stations Environmental Data Station Water Monitoring Station Semiannual Calibration Check list (form ES 63 40, Rev 0)

Destroy when 6 years old

I Calibration and Maintenance of River Temperature Monitoring Stations

Destroy when 6 years old

(Records listed in items E-I are filed at the Engineering Lab in Norris)