

**REQUEST FOR RECORDS DISPOSITION AUTHORITY**  
(See Instructions on reverse)

*21 OCT 21 14*

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  
Clinch River Breeder Reactor Project

4. NAME OF PERSON WITH WHOM TO CONFER  
Ronald E. Brewer

5. TEL EXT  
FTS 857-3351

LEAVE BLANK

JOB NO  
NCI-142-82-2

DATE RECEIVED  
October 23, 1981

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disposal request, including amendments, is approved except for items that may be stamped "disposal not approved" or "withdrawn" in column 10

11-9-81 *Robert M. [Signature]*  
Date Archivist of the United States

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 11 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 <u>10/9/81</u>	D. SIGNATURE OF AGENCY REPRESENTATIVE <u><i>Ronald E. Brewer</i></u>	E. TITLE <u>Assistant TVA Archivist</u>
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7. ITEM NO	8. DESCRIPTION OF ITEM (With Inclusive Dates or Retention Periods)	9. SAMPLE OR JOB NO	10. ACTION TAKEN
<u>X</u>	<p><u>Quality Records for the Clinch River Breeder Reactor Plant (CRBRP) Project: Request for Authority to Preserve Records on Microfilm and Dispose of Original Records</u></p> <p>The Clinch River Breeder Reactor Plant (CRBRP) Project is a joint undertaking of the United States Government and the nuclear industry of the United States to design, construct, and operate a Liquid Metal Fast Breeder Reactor (LMFBR) power plant on the Tennessee Valley Authority (TVA) system in Oak Ridge, Tennessee. The Plant will be licensed by the Nuclear Regulatory Commission under the provisions of the Energy Reorganization Act of 1974. Execution of the Project will result in many documents being prepared to assist in Project management and to record Project accomplishment. Some of these documents will relate to the quality of the Plant, its configuration and to activities affecting quality. These documents will be collected and maintained as quality records. To accomplish this collection and maintenance task, the Project has established and is implementing a Project-wide quality records management system. It is in this quality records system that all records pertaining to Plant quality will be microfilmed and indexed with the</p>	<del>NCI-142-80-1</del>	

115-107

*Closed Out: 11-24-81: K.T.D.  
to GUC, YNCU, NNS, Agency 11/12/81*

**STANDARD FORM 115**  
Revised April, 1975  
Prescribed by General Services Administration  
FPMR (41 CFR) 101-11.4

*Mass Data Change Sheet Attached*

*13 items*

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	<p>exception of selected instances when legibility or expected use does not justify microfilming. At the present time, <u>9 cubic feet of series 1.0. Design Quality Records, are on hand which the Project elects to retain as paper copies rather than microfilm. It is estimated that only 20 cubic feet per year will be required for quality record paper storage at the present rate of accumulation; but that additional space will be required in the future. The Project requires life-of-plant security storage for these paper records, in accordance with the nuclear storage requirements of ANSI N45.2.9.</u></p> <p>Certification: In accordance with the records disposition requirements of Federal Property Management Regulations (FPMR), Section 101-11.506, this document certifies that the records described on this form shall be microfilmed in accordance with the standards set forth in 41 C.F.R. 101-11.506-3.</p> <p>A complete working file of silver and/or diazo microfilm copies of all quality records is maintained at the CRBRP Project Records Center, Oak Ridge, Tennessee. All routine requests for record copies are to be referred to this Center in order that the retrieval load will not be placed on the NARS East Point facility.</p> <p>The following paragraphs explain further the circumstances of this request and describe extensively the records to be dispositioned.</p> <p>This disposition request includes only quality records, that is records pertaining to the technical quality of the CRBR Plant and to activities affecting quality. These are documents which are not covered by the <del>Federal</del> Records Schedules. The documents are created by design engineers and other cognizant technical professionals who create the documents to describe configuration of the Plant, to describe items that are manufactured for the Plant, and to describe other quality related procedures and practices. An estimated 40 million pages of this documentation will be created during the design, procurement, manufacturing, installation-construction, and preoperational and start-up phases of the CRBRP Project. All of this documentation is available to the U. S. Nuclear Regulatory Commission upon their request. However, only the <u>Safety Analysis Report and Quality</u></p>		

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	<p>Assurance Manuals and procedures are submitted to the NRC on a regular basis. Virtually, all of the quality assurance documents are duplicated and distributed to the various Project participating organizations. As noted above, a complete working file of the records on film is maintained at the CRBRP Quality Records Center, Oak Ridge, Tennessee.</p> <p>The general requirements and guidelines for the collection, storage, and maintenance of these quality assurance records, in either hard copy or microform, are described in the following Federal Regulations and standards which are closely adhered to by the participants in the CRBRP Project:</p> <p><u>10 C.F.R. 50, Appendix B, Quality Assurance Criteria for Nuclear Power Plants and Fuel Processing Plants.</u></p> <p><u>U. S. Nuclear Regulatory Commission Regulatory Guide 1.88, Collection, Storage, and Maintenance of Nuclear Power Plant Quality Assurance Records.</u></p> <p><u>ANSI/ASME N45.2.9-1974, an American National Standard, Requirements for Collection, Storage, and Maintenance of Quality Assurance Records for Nuclear Power Plants.</u></p> <p>Five series of technical documentation are included in this request:</p> <p>(1) Design Records, (2) Procurement Records, (3) Manufacturing Records, (4) Installation-Construction Records, and (5) Preoperational and Startup Records. Each of these series is described below:</p> <p><u>Series 1.0, DESIGN</u></p> <p>Applicable Codes and Standards Used in Design  Design Drawings  As Constructed Drawings  Design Calculations and Record Checks  Design Change Requests  Design Deviations  Design Procedures and Manuals  Design Reports  Design Review Reports  Design Verification Data  Drawings Control Procedures</p>		

7. ITEM NO	8. DESCRIPTION OF ITEM (With Inclusive Dates or Retention Periods)	9. SAMPLE OR JOB NO	10. ACTION TAKEN
	<p>Engineering Reports  Master Change Records  Purchase and Design Specs and Amendments  QA System Audit Reports  Reports of Engineering Surveillance of Field Activities  Requests for Document Change  Safety Analysis Report, Preliminary and Final  Stress Reports  Systems Descriptions  Systems Process &amp; Instrumentation Diagrams  Technical Analysis Evaluation &amp; Reports  Reliability Analysis, Evaluation and Reports</p> <p><u>Series 2.0, PROCUREMENT</u></p> <p>Audit Reports  Procurement Procedures  Procurement Specifications  Purchase Orders (Unpriced) Including Amendments  Purchaser's Pre-Award QA Surveys  Receiving Records  Supplier's QA Program Manuals  Supplier's QA Program Indices  Preprocurement Plans  Procurement Advisory Report (PAR)  Contract Advisory Report (CAR)  Purchase Approval Request Letters (PURLs)  Customer Approval Letters on PARs  Acknowledged Copy of Subcontracts and all Modifications</p> <p><u>Series 3.0, MANUFACTURING</u></p> <p>ASME Code Data Reports  Applicable Code Data Reports  As-Built Drawings and Records  As-Constructed Drawings and Records  Certificate of Inspection and Test Personnel Qualification  Reports of Internal and External Audits and All Related Correspondence  Equipment Schedules/Lists  Failure Reports  QA Program Manual, including Index and Applicable Procedures  Unusual Occurrence Reports</p>		

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	<p>Source Surveillance Data Plans and Reports            QA Shipping Releases            Pre-Award QA Surveys            Certificates of Compliance            Cleaning Procedures            Eddy-Current Examination Procedures            Eddy-Current Examination Final Results            Electrical Control Verification Test Results            Ferrite Test Procedures            Ferrite Test Results            Forming and Bending Procedure Qualifications            Heat Treatment Procedures            Heat Treatment Records            Hot Bending Procedure            Inspection and Test Instrumentation and Tooling Calibration Procedures and Records            Liquid Penetrant Examination Procedures            Liquid Penetrant Examination Final Results            Location of Weld Filler Material            Magnetic Particle Examination Procedures            Major Defect Repair Procedures and Records            Supplier Data Only            Material Properties Records            Nonconformance Reports            Packaging, Receiving, Storage Procedures            Performance Test Procedure and Results Records            Pipe and Fitting Location Reports            Pressure Test Procedure            Pressure Test Results            Product Equipment Calibration Procedures            Product Equipment Calibration Records            QA System Audit Reports            QA Manuals, Procedures and Instructions            Radiographic Examination Procedures            Radiograph Review Records            Ultrasonic Examination Procedures            Ultrasonic Examination Final Results            Welding Materials Control Procedures            Welding Personnel Qualifications            Welding Procedure Qualifications and Data Reports            Welding Procedures            Work Processing and Sequencing Documents            Certified Stress Reports (Code Items)</p>		

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
	<p><u>Series 4.0, INSTALLATION-CONSTRUCTION</u></p> <p>4.1 RECEIVING AND STORAGE</p> <p>Inspection Reports for Stored Items  Nonconformance Reports  Receipt Inspection Reports on Items  Receiving, Storage and Inspection  Procedures  Storage Inventory and Issuance Records  Vendor Quality Assurance Releases</p> <p>4.2 CIVIL</p> <p>Check-Off Sheets for Tendon Installation  Concrete Cylinder Test Reports and Charts  Concrete Design Mix Reports  Concrete Placement Records  Inspection Reports for Channel Pressure  Tests  Material Property Reports on Containment  Liner and Accessories  Material Property Reports on Metal  Containment Shell and Accessories  Material Property Reports on Reinforcing  Steel  Material Property Reports on Reinforcing  Steel Splice Sleeve Material  Material Property Reports on Steel  Embedments in Concrete  Material Property Reports on Steel Piling  Material Property Reports on Structural  Steel and Bolting  Material Property Reports on Tendon  Fabrication Material  Mix Water Chemical Analysis  Pile Drive Logs  Pile Loading Test Reports  Procedure for Containments Vessel Pressure  Proof Test and Leak Rate Tests and  Results  Reports for Periodic Tendon Inspection  Reports of High-Strength Bolt Torque  Testing  Soil Compaction Test Reports</p>		

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	<p>4.3 WELDING</p> <p>Ferrite Test Procedures            Ferrite Test Results            Heat Treatment Procedures            Heat Treatment Records            Liquid Penetrant Test Procedures            Liquid Penetrant Test Final Results            Magnetic Particle Test Procedures            Magnetic Particle Test Final Results            Major Weld Repair Procedures and Results            Material Property Records            Radiographic Test Procedures            Radiograph Review Records            Ultrasonic Test Procedures            Ultrasonic Test Final Results            Weld Fit-Up Reports            Weld Location Diagrams            Weld Procedures            Weld Procedures Qualifications and Results            Welding Filler Metal Material Reports            Welding Materials Control Procedures            Welding Personnel Qualifications</p> <p>4.4 MECHANICAL</p> <p>Cleaning Procedures and Results            Code Data Reports            Documentation of System Check-Off (Logs or              Data Sheets)            Hydro-Test Procedures and Results            Installed Lifting and Handling Equipment              Procedures, Inspection, and Test Data            Lubrication Procedures            Lubrication Records            Material Properties Records            Pipe and Fitting Location Reports            Pipe Hanger and Restraint Data            Pressure Test Results            Safety Valve Response Test Procedures            Value Inventory and Inspection Records</p>		

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	<p>4.5 ELECTRICAL &amp; I&amp;C</p> <p>Cable Pulling Procedures            Cable Pulling Tension Data            Cable Separation Data            Cable Splicing Procedures            Cable Terminating Procedures            Certified Cable Test Reports            Documentation of Testing Performed                After Installation &amp; Prior to Systems                Conditional Acceptance            Electrical Components - Inspection Reports            Field Workmanship Checklists or                Equivalent Logs            Instrument Calibration Results            Relay Test Procedures            Report of Pre-Installation Tests            Voltage Breakdown Tests Results on Liquid                Installation</p> <p>4.6 GENERAL</p> <p>As-Built Drawings and Records            Calibrations of Measuring and Test                Equipment and Instruments Procedures                and Report Records            Certificates of Inspection and Test                Personnel Qualification            Construction Site Administration Records            Environmental Report Records            Field Assembly Procedures            Field Audit Reports            Field QA Manuals            Final Inspection Reports and Releases            Specifications and Drawings            Unusual Occurrence Reports            Personnel Training and Qualifications            Nonconformance Reports</p>		

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1.	<p>Series 5.0, <u>PREOPERATIONAL AND STARTUP TEST RECORDS</u></p> <p>Automatic Emergency Power Source Transfer Procedures and Results            Final Systems Adjustment Data            Pressure Test Results (Hydrostatic or Pneumatic)            Initial Heatup, Hot functional and Cooldown Procedures and Results            Initial Plant Loading Data            Initial Reactor Criticality Test Procedures and Results            Main and Auxiliary Power Transformer Test Procedures and Results            Off-Site Power-Source Energizing Procedure and Test Reports            On-Site Emergency Power-Source Energizing Procedure and Test Reports            Plant Load Ramp Change Data            Plant Load Step Change Data            Power Transmission Substation Test Procedures and Results            Preoperational Test Procedures and Results            Primary and Secondary Auxiliary Power Test Procedures and Results            Reactor Protection System Tests and Results            Startup Logs            Startup Problems and Resolutions            Startup Test Procedures and Results            Station Battery and DC Power Distribution Test Procedures and Reports            Water Chemistry Reports            Instrument AC Systems and Inverters Test Procedures and Reports</p> <p>Disposition:</p> <p>A. Paper Copies</p> <p>(1) Paper copies of microfilmed records - Destroy 60 days after accurate, readable, archival quality microform copies have been prepared and placed in security storage.</p> <p>(2) Paper copies as record copies<sup>A</sup> - Transfer quarterly to Federal Record Center, East Point, Georgia. Offer to NARS at end of CY when 25 years old. <i>ca. 20 cm Pt/yr.</i>  <i>Arr. by quality record #.</i></p>	<p><i>NCI-142-80-1, It. 1A</i></p> <p><i>(limited to series 1.0, Design Quality Records)</i></p> <p><i>new item</i></p>	

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	B. Microfilm (1,600 rolls/year. Accumulation will end when plant construction and startup phases are completed.) Records on film are arranged by an identification number.		
(1)	Record Copy (a) silver original	- Permanent. Transfer semi-annually to Federal Records Center, East Point, Georgia, for storage. Offer to NARS at end of CY when 25 years old.	NCI-142-80-1, Item 1 B (1) →
(b)	1 duplicate copy (diaz)	- Offer to NARS at end of CY when 25 years old with related silver originals.	NCI-142-80-1, Item 1 B (1)
(2)	All other copies	- Destroy in Agency when no longer needed for reference.	NCI-142-80-1, Item 1 B (2)
	C. Computer Output Microfiche Index or other Computer Printed Index (cumulative)		
(1)	CRBRP Copy	- Destroy in Agency when superseded.	NCI-142-80-1, Item 1 C (1)
(2)	NARS Copy	- Transfer latest copy annually (when 25 years old) to NARS with related film. NARS will retain as nonrecord finding aid until superseded, then destroy.	NCI-142-80-1, Item 1 C (2)

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	D. Computerized Index (Cumulative)		
	(1.) CRBRP Copy - Destroy in Agency when superseded.	NCI-142-80-1, Item	1D(1)
	(2.) Record Copy - Permanent. Transfer annually (when 25 years old) from disk to magnetic tape and send to NARS along with related microfilm.	NCI-142-80-1, Item	1D(2)
	E. All manuals, procedural indexes, guides, documentations and any necessary information retrieval routines--transfer to NARS the current version with related film. NARS to destroy when superseded as nonrecord finding aid.	NCI-142-80-1, Item	1E
	F. Aperture Cards (design and as-built drawings). Arrange by drawing number. 150,000 drawings upon project complete.		
	(1.) Record Copy - Permanent. Transfer annually at end of CY to Federal Records Center, East Point, Georgia, for storage. Offer to NARS at end of CY when 25 years old.	NCI-142-80-1, Item	1F(1)
	(a.) silver original		
	(b.) 1 duplicate copy (diaz) - Offer to NARS at end of CY when 25 years old with related silver originals.	NCI-142-80-1, Item	1F(1)
	(2.) All other copies - Destroy in Agency when no longer needed for reference.	NCI-142-80-1, Item	1F(2)