



CAUTION NUCLEAR EQUIPMENT:

ANY PROCESS OF MATERIAL, INCLUDING PACKAGING AND SHIPPING MATERIAL THAT MAY BE THE POSSIBLE SOURCE OF RADIOACTIVE CONTAMINATION OF VALUABLE ELEMENTS REQUIRING CHANGING AND FLOWING, LAMINATING, COATING, OR ANY OTHER PROCESS, MUST BE CONDUCTED IN A CONTAINMENT CABINET OR GLOVE BOX. ANY MATERIALS THAT ARE IN CONTACT WITH THE GRAPHITE ON THE SURFACE OF ANY FUEL COMPONENT AFTER FUEL CLEANING SHALL NOT BE USED MERCANTILE IN ANY FORM SHALL BE SPECIFICALLY REJECTED FOR REUSE. THIS PROCEDURE APPLIES TO ALL FUEL COMPONENTS AND ALL PROCESSING AND MANUFACTURING OPERATIONS.

No representation or warranty, expressed or implied, is made as to the accuracy or completeness of the information contained herein or as to the results that may be obtained in the use of the information, or that the use or disclosure of any information, or the disclosure of any information, shall be held responsible for any damage or injury, or that the use or disclosure of any information, or the disclosure of any information, shall be held responsible for any damage or injury, or that the use or disclosure of any information, or the disclosure of any information, shall be held responsible for any damage or injury.

GENERAL SPECIFICATION	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
REMOVE BURRS/BREAK EDGES	
FRACTIONS	$\pm \frac{N}{A}$
XX DECIMALS	$\pm \frac{N}{A}$
XXX DECIMALS	$\pm \frac{N}{A}$
ANGLES	$\pm \frac{N}{A}$
FILLETS	$\frac{N}{A}$
MACHINE FINISH	$\frac{N}{A} \sqrt{\text{MAX}}$
SCALE:	NONE

5	5	SEE DCN 13941	FAUSSEN DLP	WBR WBR	SL5 SL5	WBR WBR	REF REF
4	4	SEE DCN 13590	CE02/TA DLP	CPK WBR	N/A N/A	QLC N/A	1-1-23 8-26-23
0	0	SEE DCN 13433					
NO.		REVISIONS		DESIGNER			
DESIGNER	DATE	SAFETY	SAFETY	REVIEW	REVIEW	G.S.	ANNOWED
T.W. Evans/TAJ	2-28-20	N/A	N/A	DATE	APPROVED	DATE	DATE
TAJ LUGER	N/A	G.S. APPROVED	N/A	DATE	SIG	WBR	DATE
DESIGN REVIEWER	N/A	D.F. CONCORD	N/A	DATE	OPERATIONS	WBR	DATE
C. R. Klopke	2-28-20	K. B. Napier	3-2-2020	N/A			

REVISION
CERTIFIED FOR
CONSTRUCTION
JAN 7, 2022

LICENSING
RESTRICTIONS APPLY

HFIR OUTER FUEL ELEMENT ASSEMBLY	E-42126
HFIR FUEL UNIRRADIATED INNER ELEMENT CERTIFICATION DRAWING	M-11524-OH-106
SHIPPING CONTAINER FOR UNIRRADIATED OUTER HFIR ELEMENT ASSEMBLY	M-20978-EL-002
REFERENCE DRAWINGS	N/A



OAK RIDGE
National Laboratory
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FACILITY H E I R

HFIR FUEL
UNIRRADIATED OUTER ELEMENT
CERTIFICATION DRAWING

M-11524-OH-107	E	REV.
AS DESIGNED		

AS DESIGNED

MICROSTATION DRAWING