

Dir Oke Files
470.1 Be
B9 D98

OFFICE MEMORANDUM

TO : Distribution

DATE: July 30, 1962

FROM : V. W. Foster

SUBJECT: BERYLLIUM, BORAL CONTROL PLATES, AND DRIVE SHAFT HARDWARE SITUATION.

SYMBOL : ¹²
N-3-1308

1. LES REDMAN
2. MAIL & RECORDS

PUBLICLY RELEASABLE
LANL Classification Group
P. Lang 8-4-98

The purpose of this memo is to clarify the situation with respect to the beryllium, boral control plates, and drive shaft hardware which are either on hand, being purchased from commercial sources, or in the process of fabrication at LASL.

This hardware is assigned to particular reactors as sets, and pertinent remarks made for each set as to its location, fabrication status, availability, and reactor assignment.

The sector assembly work will be performed by N-3 and ACFI at TA-18, PL-129, and the assembled sectors including instrumentation, shipped to NTS for installation in the pressure vessel. After the B-4B Kiva assembly it is proposed to assign the cold flow beryllium as Kiva 3 reflector system hardware until such time as it is needed for an NTS reactor assembly.

BERYLLIUM COMPONENTS

Set No.	Location	Fabrication Status	Availability	Reactor Assignment
1	N-1, TA-18	Complete	All items except sectors are in Zepo assembly. Sectors are in Kiva 3.	Zepo assembly
2	Sectors N-1, TA-18 Others N-3, TA-18	Complete (was B-1A Hardware)	Sectors to be returned by N-1 after B-4A Kiva assembly	RFS-1
3	NTS	Complete (was BCF Hardware)	To be shipped to LASL Aug. 14, 1962	B-5A
4	NTS	Complete	-	B-1B
5	N-3, TA-18	Complete	Sector assembly work in progress	B-4A
6	N-3, TA-18	Complete	On hand	B-4B
7	N-3, TA-18	Complete	On hand	B-2A

VERIFIED UNCLASSIFIED

P. Lang 5-7-8-4-'98
CCRP

RESTRICTED DATA
This document contains restricted data
and is to be controlled in accordance with the
provisions of the Atomic Energy Act of 1954
and the Atomic Energy Regulations promulgated thereunder.

~~CONFIDENTIAL~~

(2)

Set No.	Location	Fabrication Status	Availability	Reactor Assignment
8	On order PR 403873, 4, 5, & 6	12 sectors Rec'd.to date	Delivery promised for 8-14-62	B-1C
9	On order PR 403873, 4, 5, & 6	In work	Delivery promised for 8-14-62	B-6A
10	To be ordered	-	Required by 7-1-63	B-6B
11	To be ordered	-	Required by 10/ - / 63	PH-1A
12	To be ordered	-	Required by 1/ - / 64	PH-2A
13	To be ordered	-	Required by 3/ - / 64	RFS-2
14	To be ordered	-	Required by 5/ - / 64	PH-2B
15	To be ordered	-	Required by 7/ - / 64	PH-2C
16	To be ordered	-	Required by 9/ - / 64	PH-2D

BORAL CONTROL PLATES

Set No.	Location	Fabrication Status	Availability	Reactor Assignment
1	N-3, TA-18	Complete	On Hand (was B-1A Hardware)	RFS-1
2	NTS	Complete	-	B-1B
3	N-3, TA-18	Complete	Control Rod Assembly Work now in progress	B-4A
4	N-3, TA-18	Complete	On hand	B-4B
5	N-3, TA-18	Complete	On hand (except 3 Pcs. at NTS-BCF)	B-2A
6	N-1, TA-18	Complete	These parts are in the Kiva 3 assembly and will be available	B-5A

(3)

Set No.	Location	Fabrication Status	Availability	Reactor Assignment
7	On order J. O. 148610	In work at CMB-6	Required by 2/1/63	B-1C
8	On order J. O. 148610	In work at CMB-6	Required by 4/1/63	B-6A
9	On order J. O. 148610	In work at CMB-6	Required by 7/1/63	B-6B
10	On order J. O. 148610	In work at CMB-6	Required by 11/ - /63	PH-1A
11	To be ordered	-	Required by 1/ - /64	PH-2A
12	To be ordered	-	Required by 3/ - /64	RFS-2
13	To be ordered	-	Required by 5/ - /64	PH-2B
14	To be ordered	-	Required by 7/ - /64	PH-2C
15	To be ordered	-	Required by 9/ - /64	PH-2D

DRIVE SHAFT ASSEMBLIES 65000 C450

Set No.	Location	Fabrication Status	Availability	Reactor Assignment
1	N-3, TA-18	Parts to be reworked to latest revision	(was B-1A hardware)	Spare
2	NTS	Complete	-	B-1B
3	N-3, TA-18	Complete	Assembly work now in progress	B-4A
4	N-3, TA-18	Complete	Parts are at GMX-1 for testing	B-4B
5	N-3, TA-18	Complete	Parts are at GMX-1 for testing	B-2A
6	N-3, TA-18	Parts to be reworked to latest prints	In stock	B-1C

~~CONFIDENTIAL~~

If this type drive shaft is required for other reactors. Orders must be placed 6 months ahead of the scheduled reactor "parts on hand" date.

<u>DRIVE SHAFT ASSEMBLIES</u>		65093 D450		
Set No.	Location	Fabrication Status	Availability	Reactor Assignment
1	Sier-bath PR 403882	Delivery 10/15/62	-	B-5A
2	Sier-bath PR 403882	Delivery 12/15/62	-	Spare

NOTE: Information on the B-6 reactor drive shaft assemblies should be transmitted to the drafting section (Dick Neal) at least 7 to 8 months ahead of the scheduled reactor "parts on hand" date.

V. W. Foster

VWF/sjl

Distribution:

- ✓ F. P. Durham
- ✓ V. L. Zeigler
- H. J. Newman
- D. J. Blevins
- K. C. Cooper
- D. L. Hanson
- T. R. Regenie
- J. F. Weinbrecht
- A. M. Gage
- ✓ J. D. Orndoff
- R. C. Neal
- W. L. Kirk
- C. A. Linder
- P. Rutherford
- ✓ D. G. Roberts (3) *Rec # 289856*
- ✓ Mail & Records (2) *←*

copy
leading file

