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70034

APPENDIX 3
Page 2 of 2

| STEP | DESCRIPTION | DATA/STATUS | COMMENTS |
|---------|--|---|----------|
| 5.10 | Plastic plug is seated in the container lid. | <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT | |
| 5.13(1) | Torque wrench equipment no. and calibration expiration date | RF9557 (no.) 10-97 (date) | |
| 5.13(2) | Container lid bolts torqued to 70 in.-lb (± 5 in.-lb). | 70 (in.-lb) | |
| 6.1.3 | Two security seals applied. | 2022 (no.) 2024 (no.) | |
| 6.2.1 | Radiological surveys completed. | <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT | |
| 6.2.2 | Check for radioactive material label. Two places, Transport Index marked (where applicable). | <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT | |
| 6.2.4 | Nameplate welded in place and all marking legible. | <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT | |

DB
BC

Performed By: D. S. Pomonis D. S. Pomonis 1510835 17-14-97
 Name (print) Signature Employee No. Date

Issue A

08/02/97
RAS

PACKAGING LANL PITS FOR SHIPMENT (U)

M-30528-27

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APPENDIX 3
Page 1 of 2

FL CONTAINER PACKING CHECKLIST

| STEP | DESCRIPTION | DATA/STATUS | COMMENTS |
|-----------|---|--|-------------------|
| 4.1.4 | Pit serial number. | 93-7683 (no.) | |
| 4.2.3 | Container serial number. | 70088 (no.) | |
| 4.2.4 | Fixture - base, clamping ring support bracket, extension & hardware: visually checked for defects (bent, broken, incorrect or missing components, bad threads, etc) extension only checked for required marking i.e. drawing number and extension size. | <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT | |
| 4.2.12(1) | Torque wrench equipment no. and calibration expiration date | RF 93817 (no.) 11-97 (date) | |
| 4.2.12(2) | Fixture bolts torqued to 17 in.-lb (± 5 in.-lb). | 17 (in.-lb) | |
| 4.2.21(1) | Torque wrench equipment no. and calibration expiration date | RF 93817 (no.) 11-97 (date) | |
| 4.2.21(2) | Hold down ring bolts torqued to 25 in.-lb (± 5 in.-lb). | 25 (in.-lb) | |
| 4.2.29(1) | Torque wrench equipment no. and calibration expiration date | RF 95537 (no.) 10-97 (date) | |
| 4.2.29(2) | Containment vessel lid bolts torqued to 70 in.-lb (± 5 in.-lb). | 70 (in.-lb) | |
| 4.2.30 | Containment vessel serial number. | 0059 (no.) | |
| 4.2.31 | MAINT DATE (within previous 12 months) | 6-17-97 (date) | |
| 5.1 | Containment vessel seal leak rate less than or equal to 1×10^3 STD cc/sec. | <input checked="" type="checkbox"/> SAT. <input type="checkbox"/> UNSAT | 572088 7-14-97 |
| 5.7 | Fiberboard packing in place, as required. | <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT | |
| 5.8 | Refractory insert in place, as required. | <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT | |

Issue A

06/02/97
RAS

PACKAGING LANL PITS FOR SHIPMENT (U)

M-30528-26

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SEP-26-97 FRI 18:22

WSLLC-SP & I

TEL NO. 303 888 4147

P.05

SEP-28-97 FRI 14:48

BLDG 750

FAX NO. 303 888 4402

P.05

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70088

APPENDIX 3
Page 2 of 2

| STEP | DESCRIPTION | DATA/STATUS | COMMENTS |
|---------|--|---|----------|
| 5.10 | Plastic plug is seated in the container lid. | <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT | |
| 5.13(1) | Torque wrench equipment no. and calibration expiration date | RF95552 (no.) 10-97 (date) | |
| 5.13(2) | Container lid bolts torqued to 70 in.-lb (± 5 in.-lb). | 70 (in.-lb) | |
| 6.1.3 | Two security seals applied. | 70 79022 (no.) 70 79081 (no.) | |
| 6.2.1 | Radiological surveys completed. | <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT | |
| 6.2.2 | Check for radioactive material label. Two places, Transport Index marked (where applicable). | <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT | |
| 6.2.4 | Nameplate welded in place and all marking legible. | <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT | |

003
203

Performed By: CO. J. H. [Signature] 1501687 12-14-97
Name (print) Signature Employee No. Date

Issue A

06/02/97
RAS

PACKAGING LANL PITS FOR SHIPMENT (U)

M-90528-27

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MASON & HANGER CORPORATION

| | |
|---|--|
| DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW | |
| 1ST REVIEW-DATE: 5/17/99 | DETERMINATION (CIRCLE NUMBER) |
| AUTHORITY: <input checked="" type="checkbox"/> DC <input type="checkbox"/> DD | 1 CLASSIFICATION RETAINED |
| NAME: [Signature] | 2 CLASSIFICATION CHANGED TO: |
| 2ND REVIEW-DATE: 5/17/99 | 3 CONTAINS NO DOE CLASSIFIED INFO |
| AUTHORITY: DD | 4 COORDINATE WITH: |
| NAME: C. Phillips, CM | 5 CLASSIFICATION CANCELED |
| AW | 6 CLASSIFIED INFO BRACKETED |
| | 7 OTHER (SPECIFY: 5 pages of encls re) |

WITH ATTACHMENTS/ENCL

Redacted Copy

AUG 30 1997

Mr. John R. Kirby, Lead
Production Operations Team
Amarillo Area Office
USDOE
Amarillo, TX 79120-0020

Re: Model FL Container Sunlight Controls

Dear Mr. Kirby:

This letter is in response to Mark Blackburn's (DOE/AAO) phone message to Bob Stephenson on August 14, 1997, instructing Mason & Hanger Corporation to incorporate Model FL sunlight controls into Engineering Instruction PE97-093. Mark relayed a phone message from Steve Nunley (DOE/AL/NESD) in which he expressed two concerns. The first dealt with packaged Model FL containers not being exposed to sunlight. The second dealt with temperature controls for packaged FLs with Type 83, Type 93, or Type 100 pits to 100°F rather than the allowed 110°F level.

Mason & Hanger already has a formal procedure in place to control packaged FL container exposure to sunlight. A Technical Procedure Change Request (#24251) to procedure 7-5650, "General Safety Requirements for Zone 4," was submitted June 25, 1997. This change request adds the following to 7-5650, step 11.1.5: "Model FL containers cannot be exposed to sunlight, (except those containing W45, W56, W70, or W71 pit types)". A copy of this change request was included in our submission to DOE on July 25, 1997. Because the only opportunity for packaged FL containers to be exposed to direct sunlight is during transfers into or out of Zone 4, this procedure implements the required exposure controls.

Mason & Hanger chose to control all pits to the 100°F or less level so as to put in place more uniform administrative controls rather than different controls for each pit type. This is a conservative approach that complies with the SARP and with Steve Nunley's letters.

In an August 12, 1997, letter from J. C. Yarbrough to Steve Nunley subject, "Defense Programs Pit Surveillance Activities," Mason & Hanger committed to providing the DOE a position paper on the FL thermal issues by August 29, 1997. The plan to provide the paper has been revised. This will be an agenda item at the August 27, 1997, meeting of the Joint Thermal Team. We are planning three weeks to prepare the paper plus one week review. The new date for submission to DOE is September 30, 1997.

RESTRICTED DATA
This document contains Restricted Data as defined in the Atomic Energy Act of 1954. Unauthorized disclosure subject to Administrative and Criminal Sanctions.

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4253

Classified By: C. Phillips ^{Class Analyst}
(Name/Personal Identifier & Title) P817
Derived From: COX-93-782 3/93
(Guide/Source Document & Source Date)

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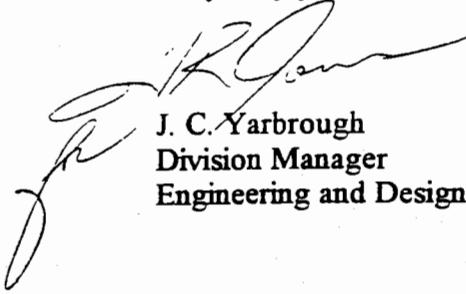
Mr. John R. Kirby
Model FL Container Sunlight Controls

Page 2

Mason & Hanger has suspended all movement of Defense Program support pits in Model FL containers until formal notice to resume is received from DOE.

Should further information be required, please contact Charles Caldwell at (806)477-4033.

Very truly yours,



J. C. Yarbrough
Division Manager
Engineering and Design

JCY:saa

Attachment

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Page No. 1 of 2
Issue 4
Date October 27, 1995

24251



5/c

TECHNICAL PROCEDURE CHANGE REQUEST

(Ref Plant Standard STD-0143, STD-0148)

(PLEASE FILL ALL APPLICABLE BLANKS)

SECTION I - REQUESTOR

REQUESTOR (PRINT) Cassie J. Turner BADGE 08108
PHONE # 4056 DEPT # 326 MAIL DROP Trans 12-3
PROCEDURE # 7-5650 ISSUE DT PROGRAM # Multi
REQUESTED COMPLETION DATE 6-23-97

REQUIRED CHANGE/REASON FOR CHANGE (Use additional pages as needed):

See attached page

Reason: Incorporate Requirements For Use of the Model FL Type B Package - memo dated May 27, 1997 from DOE INESD

SECTION II - DOCUMENT CUSTODIAN

CHANGE TO BE INCORPORATED: NO YES IMMEDIATE OR ROUTINE
DOE QAIP AFFECTED NO YES → IF YES, SEND COPY TO DOE/QAB, 12-29

REASON FOR DENIAL:
OR IMMEDIATE INCORPORATION:

| (PLEASE PRINT NAME) | SIGNIFICANT CHECK APPROPRIATE BOX: | INSIGNIFICANT | ANNOTATION REQUIRED | SIGNATURE/DATE |
|---|---------------------------------------|-------------------------------------|---------------------------------------|-----------------------------|
| <u>Tom Ellis</u> DOCUMENT CUSTODIAN | <input type="checkbox"/> | <input checked="" type="checkbox"/> | → <input checked="" type="checkbox"/> | <u>[Signature]</u> 16-20-97 |
| <u>STEVE UFFORD</u> FACILITY MANAGER/PROGRAM MANAGER | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | <u>[Signature]</u> 16-20-97 |
| <u>ERNEST M. VITALIANI</u> SAFETY REPRESENTATIVE | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | <u>[Signature]</u> 6/25/97 |
| <u>N/A</u> DESIGN AGENCY | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | <u>[Signature]</u> 16-20-97 |
| <u>N/A</u> DESIGN AGENCY | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | <u>[Signature]</u> 16-20-97 |

DESIGN AGENCY COMMENTS (Procedure section reviewed or N/A, etc)

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Index No. FX-3014

Issue No. 4

Date October 27, 1995

Date October 27, 1995

SECTION II: (Continued)

TRAINING REQUIREMENTS FOR SIGNIFICANT CHANGES

| PLEASE PRINT NAME: | LEVEL 1 TECH. | LEVEL 2 OPERATIONS | NO TRAINING | SIGNATURE/DATE |
|----------------------------------|--------------------------|--------------------------|--------------------------|----------------|
| _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ / |
| DOCUMENT CUSTODIAN | | | | |
| _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ / |
| FACILITY MANAGER/PROGRAM MANAGER | | | | |
| _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ / |
| SAFETY REPRESENTATIVE | | | | |

SECTION III - INDEPENDENT REVIEW

Validation Required: NO YES

NOTE: Validation is required on all new procedures per STD-6143.

Independent Reviewer: _____

Print Name Signature/Date

SECTION IV - ENGINEERING EVALUATION/VALIDATION TEAM

Additional changes required: NO YES

| PLEASE PRINT NAME: | SIGNATURE/DATE | EDGE |
|---|----------------|-------|
| _____ | _____ | _____ |
| Facility Manager/Line Supervisor/Operations Manager | | |
| _____ | _____ | _____ |
| Human Factor Engineer | | |
| _____ | _____ | _____ |
| User | Optional | |
| _____ | _____ | _____ |
| User | Optional | |
| _____ | _____ | _____ |
| User | Optional | |

SECTION V - TRAINING

Training Requirements Acknowledges: NO YES

Training Completed _____

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