

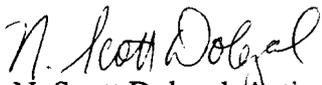


Department of Energy  
National Nuclear Security Administration  
Pantex Site Office  
P. O. Box 30030  
Amarillo, TX 79120



AUG 14 2008

MEMORANDUM FOR: James D. Stevens, Acting Manager, Quality & Performance  
Assurance, B&W Pantex

FROM:   
N. Scott Dolezal, Acting Assistant Manager for  
Oversight & Assessments

SUBJECT: Loaded Model FL Shipping Container Labeling

To improve shipping and receiving efficiency and reduce confusion, the labeling format for all loaded FL shipping containers has been formalized, and documented. This labeling format has been coordinated with the Design Agency and will be in effect until the drawings are changed and distributed.

The attached B&W Pantex labeling drawings detail the location and positioning of the required labels. All requirements for preparing the loaded FL containers for shipping will be accomplished by B&W Pantex. The containers will be accepted at the Pantex Plant by the Pantex Site Office and Diamond Stamped. All Model FL shipping containers will be inspected for acceptance to the requirements of the B&W Pantex labeling drawings, which are supplemental to the existing Model FL drawings.

The three primary Quality Assurance Agency users of these containers, Pantex Site Office, Lawrence Livermore Site Office, and Los Alamos Site Office have all agreed to the attached B&W Pantex labeling drawing configurations by signing the Shipping Labeling Memorandum of Agreement.

If you have any questions, please contact Chuck Bufford at (806) 477-3056.

Attachment

cc w/attachment:

E. Schmidt, NA-122/FORS  
C. Bufford, PXSO  
S. Guleke, B&W  
P Butler, B&W

D. Self, B&W  
T. Ailes, B&W  
K. Russell, Tri-Lab

U.S. DEPARTMENT OF ENERGY  
NATIONAL NUCLEAR SECURITY ADMINISTRATION  
MEMORANDUM OF AGREEMENT FOR  
PANTEX SITE OFFICE, LOS ALAMOS SITE OFFICE,  
AND LAWRENCE LIVERMORE SITE OFFICE

**1.0 SUBJECT**

This Memorandum of Agreement (MOA) addresses the labeling requirements of loaded 33049-01 Model FL Containers for over-the-road use. The Babcock and Wilcox Technical Services (B&W) Pantex Plant (PX) Labeling Drawings and Instructions will be used on all loaded FL containers for shipping, as well as receiving inspection.

**2.0 PURPOSE**

Specific locations and other useful labeling are not currently addressed on the design agency Model FL container drawings. The intent of this MOA is to document the agreed upon labeling configuration for loaded Model FL containers until the Design Agency (DA) drawings can be updated. Labeling will be in compliance with the DA drawings, and Department of Transportation (DOT) requirements, and will allow a uniform configuration of all loaded Model FL containers, and more efficiency in processing of the containers. This MOA is supplemental to the DA and DOT requirements.

**3.0 RESPONSIBILITIES**

B&W PX is responsible for rework and maintenance of the Model FL containers. Pantex Site Office (PXSO) has the responsibility for inspection and acceptance of the Model FL containers, and application of a Diamond acceptance stamp to the containers. All user sites are responsible for assuring Model FL containers are maintained, and that shipping labels are applied and maintained in accordance with this MOA, DOT requirements, and applicable DA drawings.

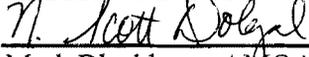
**4.0 PRIMARY CONTACTS**

Pantex Site Office (PXSO):	Mark Blackburn, AMOA	(806) 477-3056
Lawrence Livermore Site Office (LLSO):	Lisa Dancy, DPOM	(925) 423-4078
Los Alamos Site Office (LASO):	Anita Leivo, MOQA	(505) 667-1021

**5.0 TERM**

This agreement shall remain in effect until amended by mutual agreement of PXSO, LLSO, and LASO, or replaced when the DA drawings for the Model FL are changed and officially released.

**APPROVED BY:**

	8/14/08
Mark Blackburn, AMOA, PXSO	Date

Lisa Dancy, DPOM, LLSO	Date
	7/9/08
Anita Leivo, MOQA, LASO	Date

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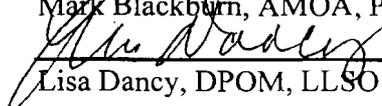
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**APPROVED BY:**

 Mark Blackburn, AMOA, PXSO	Date 7/7/08
 Lisa Dancy, DPOM, LLSO	Date
_____ Anita Leivo, MOQA, LASO	Date

## Proposal for Labeling of Loaded Model FL Containers

The purpose of this paper is communicate both in written and graphical form how B&W Pantex proposes that the Nuclear Weapons Complex apply labels on the loaded Model FL Package container for over the road shipments. The primary goal is to define how a container should be labeled for requirements, accuracy, workmanship and consistency. The containers should look the same no matter which site prepares them for shipment. This will greatly reduce the time spent on quality issues at each receiving site. The method described is an indirect method of labeling because the drawing set does not currently allow for direct marking or labeling. The drawing set is currently under review to add direct marking and labeling requirements but due to schedule and funding delays the indirect method is being documented for interim usage until the drawing set can be modified and released.

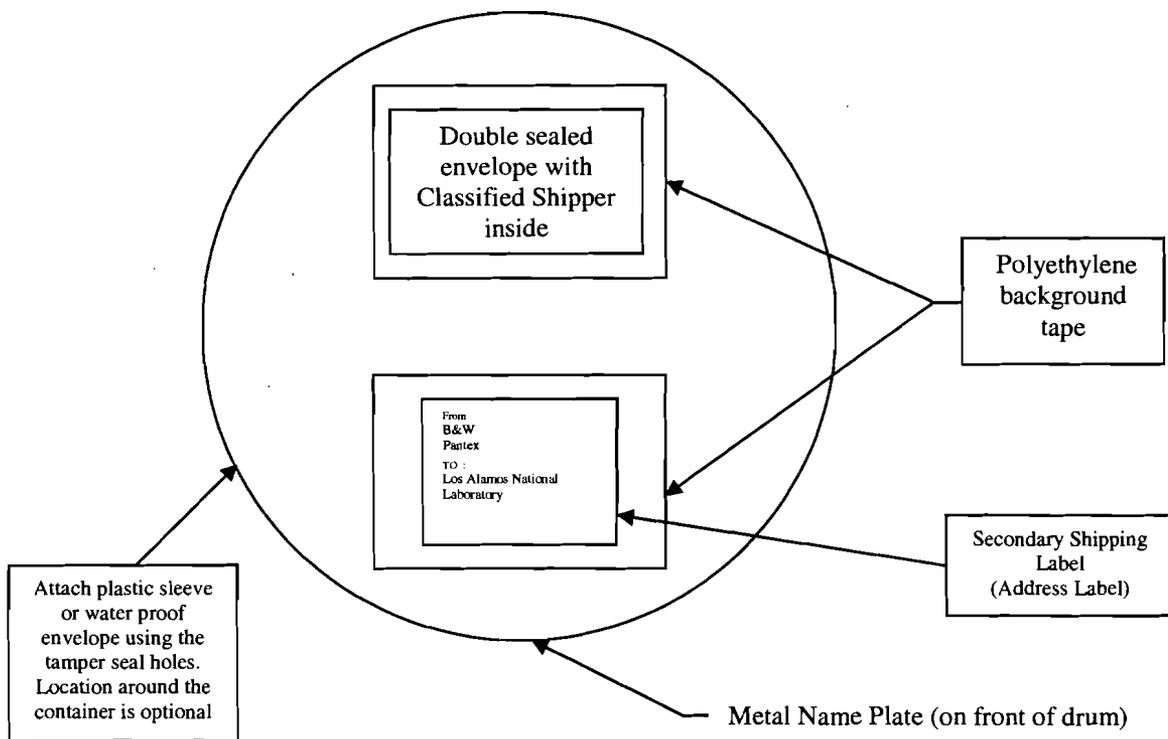
Before loading a Model FL container for shipment the 33049-01 should be checked to verify that the Diamond stamp is present with no visible damage, and that the expiration date is still valid. The main pit fixture parts (Base Plate, Clamping Ring, Support Bracket if applicable and Extension) shall be checked to verify that they are -01 suffix parts, in mark quality status with no visible damage prior to loading the pit into the fixture.

This proposal has been reviewed by PXS0 and discussed with LASO and LLSO. Concurrence to this proposal will be documented with signatures of the user sites on a Memorandum of Agreement (MOA). The MOA is similar to the one presented for the labeling of the empty Model FL container.

### Shipping Site shall label Loaded Model FL containers for shipment as follows: See Figures

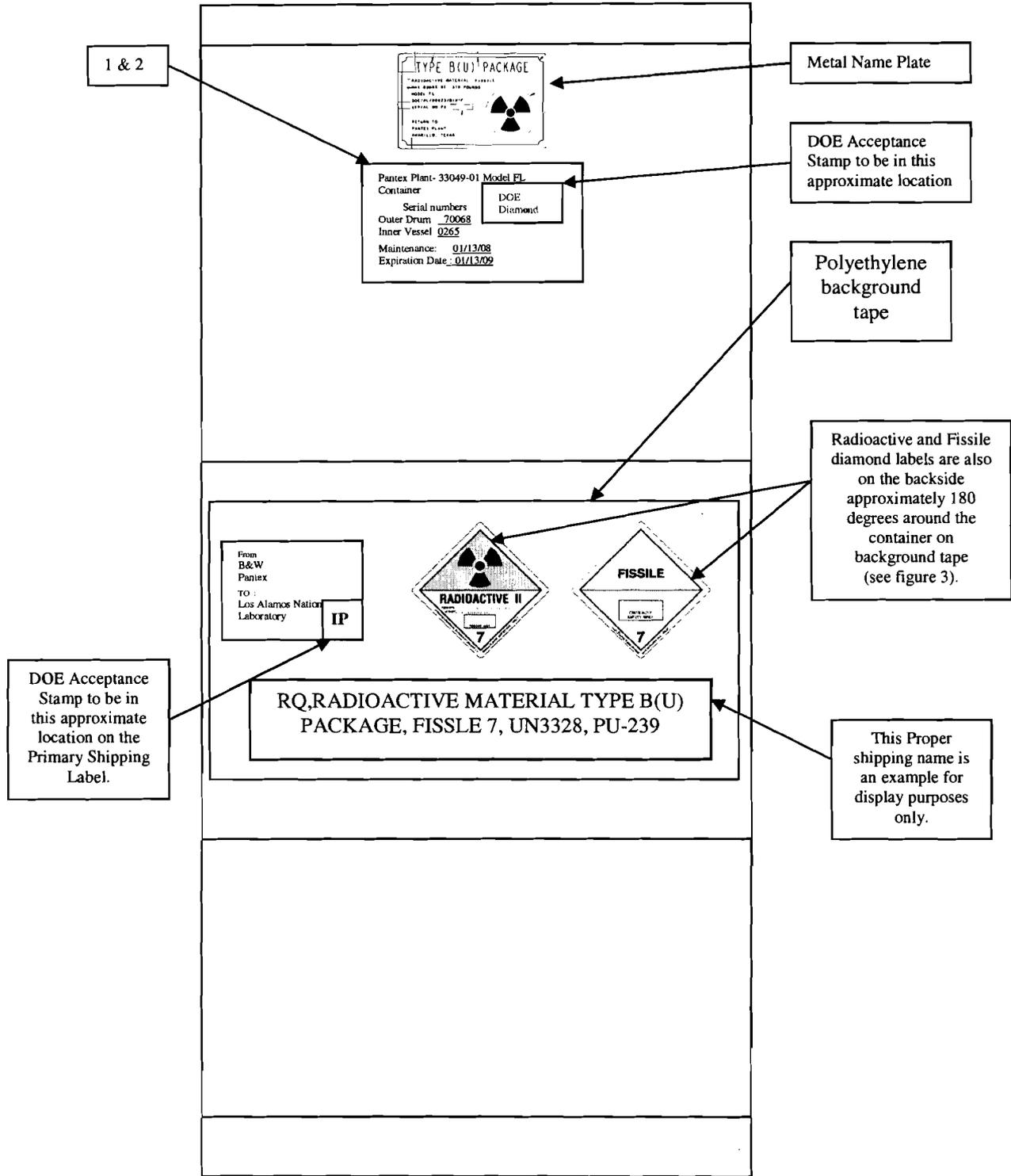
1. Verify white Pantex Plant 33049-01 Model FL Container label is present with a Diamond stamp and a valid expiration date as shown in the attached sketch. If the container maintenance has expired then the Diamond stamp shall be over stamped with an AR (acceptance required) stamp and the container returned as a 33049-01 empty to Pantex for maintenance.
2. Clear tape shall be placed over all hand written labels to protect them from moisture.
3. Polyethylene taped background area shall be larger than the white label; color is optional as long as it is contrasting against the white label and the container's surface. Apply background tape approximately as shown in Figure 1, 2 & 3. Only one color of background tape shall be used on a given container.
4. Apply the Radioactive and Fissile material diamond shaped labels on the background tape on the container as shown in the attached sketch, two places, name plate side and approximately 180 degrees around the container at approximately the same height.
5. Apply the primary Shipping Label (address label) to the left side of the radioactive material label on the name plate side of the container as shown in the attached sketch. Apply the secondary Shipping Label (address label) on the removable top as shown in the attached sketch.
6. Apply the DOT Proper Shipping Name Label just below the labels in step 5 and 6 on the name plate side of the container as shown in the attached sketch.

7. Shipping site shall attach a plastic sleeve or water proof envelope to the container using a cable tie through one of the tamper seal holes located around the top of the container. The bar codes or labels that identify which loaded configuration is being shipped shall be placed in this sleeve or envelope for shipment.
8. The bar codes or labels that identify the loaded configuration shall include the following minimum information, package assembly part number and suffix, component serial number, component quality status and the associated Model FL container order drum serial number. The size, type or style of label or bar code is optional the minimum information is the requirement.
9. Shipping site shall apply the appropriate stamp (IP, EUO, AR etc.) for the content on the primary shipping label (address label) on the side of the container as shown in the attached sketch for the container. Also apply the same stamp on the shipping paper work next to the type or part number and serial number of the pit inside the container.
10. All labels on the Model FL container that are on polyethylene tape shall be removed from the container once the weapon component has been removed from the container.
11. The pit fixtures, once removed from the container, shall be handled as Mark Quality material unless there are signs of obvious damage. Damaged items shall be identified as AR (acceptance required) and returned to the Pantex plant for engineering disposition.
12. The Model FL container 33049 shall be handled as Mark Quality material unless the expiration date has expired in which case the Diamond stamp shall be over stamped with an AR stamp and the container returned to the Pantex plant for maintenance.



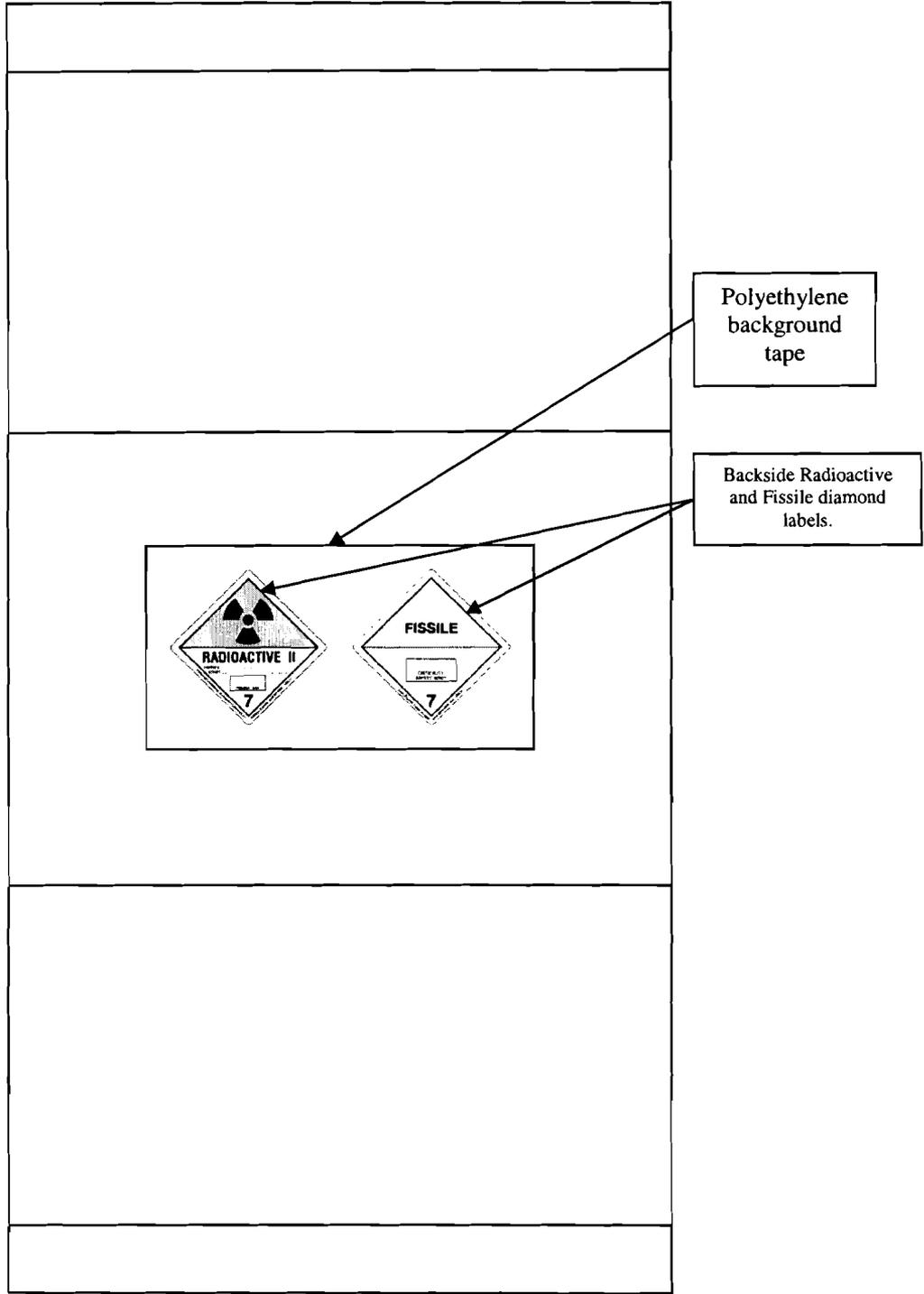
**Top View of Packaged Model FL Container**  
 When shipping the container Loaded  
 (Product and packaging fixture included)

**Figure 1**



**Front View of Model FL Container**  
 When shipping the container loaded  
 (Product and packaging fixture included)

**Figure 2**



**Rear View of Model FL Container**  
When shipping the container loaded  
(Product and packaging fixture included)  
**Figure 3**