

71-9192

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71-9192

SEP 24 1985

RETURN TO
A. Machlin
396-SS

ANEFCO, Inc.
ATTN: Dr. John D. Murphy, Sr.
P.O. Box 433
Ridgefield, CT 06877

Gentlemen:

This refers to your application dated May 1, 1984, as supplemented, requesting approval of the Model No. AP-300 Type A package.

In connection with our review, we need the information identified in the enclosure to this letter.

Please advise us within 30 days from the date of this letter when this information will be provided. The additional information requested by this letter should be submitted in the form of a consolidated application including drawings. If you have any questions regarding this matter, we would be pleased to meet with you and your staff.

Sincerely,

Original Signed by
CHARLES E. MACDONALD

Charles E. MacDonald, Chief
Transportation Certification Branch
Division of Fuel Cycle and
Material Safety, NMSS

Enclosure: As stated

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SURNAME	RH0degaarden:al	m HWLee	EPEaston	CRMarotta	CEWilliams	CEMacdonald
DATE	09/ /85	09/24/85	09/24/85	09/24/85	09/24/85	09/24/85

ANEFCO, Inc.
Model No. AP-300 Type A Package
Docket No. 71-9192

Encl to ltr dtd: SEP 24 1985

Drawing No. 133-1, Rev. 6

1. The drawing should show the 1-inch thick x 24-inch square plate which is part of the lift/tie-down arrangement. The plate should be given a part number and listed in the Material List giving the number required and the material specification.
2. The toridal ring is not correctly shown in the half elevation of the cask. The picture should be corrected.
3. The picture of the lift/tie-down lug does not agree with the lug shown on Drawing No. 133-1, Rev. 7 in that the lug appears to be thicker at one end than the other. This discrepancy should be corrected.
4. Show that a shackle having a 2.75-inch screw pin, as called for on page 2.4-3, is dimensionally compatible with the lift/tie-down lug design considering the hole location relative to the 1-inch thick pad and the 1-inch fillet weld which joins the lug to the pad.
5. The lid gasket dimensions (Material List, Part No. 11) do not agree with the dimensions shown on Drawing No. 139-1.
6. In the Material List, Part No. L-4, delete the word "Ring" and the letter "H." Also, delete the letters "S.S." Part No. B-3 and the letter "H" Part No. B-5.
7. In the Material List, Part No. B-9, the 82.4-inch dimension is not in agreement with the radius dimension given on page 2.6-15.

Drawing No. 134-1, Rev. 6

1. The detail of the bottom corner should be identified as Detail "A" as referenced by Drawing No. 133-1.
2. Part Nos. 41 and 34 should appear in the Material List indicating the number required and the material specification.
3. Show where Part No. 34 is used.

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4. Clarify the note which states, "3 Req'd. see Drwg. No. 133-1."
5. Consideration should be given in the size of the fillet weld which joins Part No. B-9, square tube, to Part No. B-1, outer shell. The relatively large fillet weld against the thin wall tube could cause unacceptable distortion in the tube cross-section.
6. Detail "B" must provide the dimensional information needed to support the condition stated on page 1.2-4, second paragraph, first sentence.

Drawing No. 136-1, Rev. 3.

1. The drawing refers to a Detail "A" and the plan view of the closure lid indicates there is a Section A-A. The drawing should cite the drawing numbers where these details can be found.
2. The eye bolt specifications on page 2.4-6 should appear on the drawing. It is noted that a part number has not been assigned to this item and the number of eye bolts required has not been stated. Also, the location of Detail "D" should be given.
3. It is noted that a Part No. 34 is called for, however, this item is different than the Part No. 34 shown on Drawing No. 134-1.

Drawing No. 138-1, Rev. 7.

1. The drawing should note the number of 24-inch x 24-inch pads required and the material specification.
2. Correct the discrepancy between the description of the lifting pad eyes on page 1.2-4 and the drawing dimensions.

Drawing No. 143-1, Rev. 1

It is noted that Part No. 41 is also called for on Drawing No. 134-1, however, the material thicknesses and material specifications of the plates into which Part No. 41 is installed are different.

Material Lists

Part Numbers and part identification need clarification. There are part numbers shown on the drawings with no indication as to where they are used, how many are required, or the material specification. In some cases, the same part number is used for different items and there are items shown with no part number given.

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Operating Procedures

1. Loading Procedure, Operation No. 10. Does a 2-inch shackle provide a 2.75-inch minimum pin as called for on page 2.4-3.
2. Loading Procedure, Operation Nos. 39 and 40. Prior to placing cask in transport ring, the 2-1/2-inch square tube, Part No. B-9, Drawing No. 134-1, should be inspected. Establish minimum acceptable tube conditions and corrective action to be taken if tube condition does not meet the acceptance criteria.
3. Under 7.3.2, General Preparations for Empty Package Transport, reference should be made to the requirements of 49 CFR §173.427 "Empty radioactive materials packaging."

Acceptance Tests

The pressure test and leak test procedures should cite a single specific test pressure.

Maintenance Program

1. Under 8.2.1.1, Structural, inspection of the square tube, Part No. B-9, Drawing 134-1 should be listed as a require inspection. See discussion under Operating Procedures, Item 2.
2. The pressure test and leak test procedures should cite a single specific test pressure.

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