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Date: 2004/05/14  
Subscriber: 748378001  
File No: MH17921  
Project No: 04NK07738  
PD No: 04ML9551  
Type: R  
PO Number: RICK LEWIS

Subject: Procedure And/Or Report Material

The following material resulting from the investigation under the above numbers is enclosed.

<u>Issue</u>				<u>Revised Date</u>
<u>Date</u>	<u>Vol</u>	<u>Sec</u>	<u>Pages</u>	
1998/01/27	1	2	Revised Description Page(s) 1,2	2004/04/12
1998/01/27	1	2	New Illustration(s) A,7	2004/04/12
1998/01/27	1	2	New Test Record 3	2004/04/12

Inspections at your plant will be conducted under the supervision of Ron Payne, Area Manager, 1101 Sylvan Avenue, Suite C-101, Modesto, CA 95350. PHONE: 1-209-527-0626; FAX: 1-209-527-0947; E-MAIL: Ronald.T.Payne@us.ul.com.

Please file revised pages and illustrations in place of material of like identity. New material should be filed in its proper numerical order.

NOTE: Follow-Up Service Procedure revisions DO NOT include Cover Pages, Test Records and Conclusion Pages. Report revisions DO NOT include Authorization Pages, Indices, Section General Pages and Appendixes.

Please review this material and report any inaccuracies to our Customer Service Professional (Telephone: 1-877-ULHELPS [1-877-854-3577]), referring to the above Project and/or PD Numbers.

c: NBK File

UL INSPECTION CENTER 844

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## DESCRIPTION

## PRODUCT COVERED:

USL, CNL - Model DMA Series dispenser sumps and pans, DMA shallow, DMA single-sided deep, DMA double-sided deep **and DMA Double Wall**

**Sumps.**

## GENERAL:

The pans and sumps are installed underground beneath dispensing devices and are intended for the secondary containment of petroleum products, alcohols and alcohol-gasoline mixtures. Each sump or pan is provided with hardware for anchoring to the concrete dispenser island and for securement of the emergency shutoff valves. The hardware is covered under Report dated October 20, 1993, File MH17921.

**The interstitial space of the double wall sumps may be monitored by using positive or negative (vacuum) pressure not exceeding 5 psi, or with water or brine solution.**

The penetration fittings allow for the penetration of piping for flammable liquids and electrical conduit through the wall of the sumps or pans.

## INSTALLATION:

The sumps, pans and penetration fittings are intended for underground installation in accordance with Western Fiberglass Inc.'s installation instructions (ILL. A). Installation instructions for the penetration fittings are shown in ILL. B. Installation instructions for the optional access panel are shown in ILL. C.

## MARKING:

The following markings shall be legibly and permanently applied to the sumps, pans and penetration fittings.

- A. The manufacturer's name.
- B. The statement: "Follow Western Fiberglass Guidelines".
- C. The Listing Mark described below.

LISTING MARK:

UNDERWRITERS LABORATORIES INC.

LISTED

DISPENSING DEVICE ACCESSORY  
(Control Number)

CONSTRUCTION DETAILS:

1. Dispenser Pans and Sumps - Containment boxes manufactured of a single wall construction of a thickness of 200 mils. They are manufactured using a glass fiber reinforcing in combination with an isopthalic polyester resin. The sumps are contact molded. See ILLS. 1, 2 and 3. Sumps may be provided with an opening and access panel for field installation in accordance with ILL. C.

**Double Wall Sumps - The inner sump wall is fabricated identically to the single wall models. The interstitial material is applied over the single wall sump and the outer wall is applied over the interstitial material to a minimum thickness of 200 mils (0.20 in.). An interstitial access fitting is installed to allow for testing and/or monitoring in the field. Refer to Ill. 7 for fabrication process details.**

2. The following lists identify the materials are used in the manufacturing process and are subjected to the Follow-Up Program outlined in File MH19409, Vol. 1, App. A.
  - A. Isopthalic Polyester Resins - Reichhold No. 33-407, may also be designated as Reichhold 98-493.
  - B. Catalyst - Methyl ethyl ketone peroxide in dimethyl phthalate technical grade. Identified by product name on container.
  - C. Glass Fiber Chopping Roving - Owens Corning Fiberglass No. 357.
  - D. **Interstitial Material - Parabeam 3D glass fabric Type 87136.**
3. Penetration Fittings - Consist of the following:

<u>Item</u>	<u>Material Designation &amp; Manufacturer</u>	<u>ILL.</u>
Body	M90, Hoechst Celanese Corp. 500BK602, E. I. DuPont de Nemours & Co., Inc.	4-6
Reducer (cap)	2070BK, E. I. DuPont de Nemours & Co., Inc.	-
Gasket	2250UT, E. I. DuPont de Nemours & Co., Inc.	-
Sealant	RTV 108, Silicon, GE Plastics	-

Penetration fittings are packaged with stainless steel band clamps. Reducers are molded of R/C (OMF22) by E. I. DuPont de Nemours & Co., Inc., designated ALCRYN, Model 2070BK. Gasket also provided, overall dimensions approx. 5.25 in. ID, 5.75 in. OD and 0.27 in. high.

TEST RECORD NO. 3

SAMPLES:

The manufacturer submitted Model DMA dispenser sump having outside dimensions of 39 in. long by 36 in. wide by 31 in. high. The top opening was 36-1/4 x 18 in.

Due to the similarities to the single wall sumps covered in this report, only the following test was conducted.

ANNULUS PROOF PRESSURE TEST:

METHOD

The interstitial space of the sample was subjected to an aerostatic pressure of 5 psig for a period of 24 hours. The pressure was then increased to 10 psig for a period of 1 minute. The pressure was then decreased to 5 psig, and holes were drilled in random locations on the sump wall to check for communication.

RESULTS

The sump did not rupture or leak. The pressure communicated throughout the sump.

Test Record Summary:

The results of this investigation indicate that the product(s) evaluated comply with applicable requirements, and therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

Test Record by:

Reviewed by:

TIM CREWS  
Staff Engineer

WAYNE DOVERSBERGER  
Staff Engineer