BOX NUMBER	SEGMENT NO.	REQUESTING PARTY
P1373		KSR

NOTES

Transite Sewer Fittings - Deviation - Pension

PLAINTIFF'S EXHIBIT

MTC 002297

MTC 002298

Transite Sewer Fittings -
Deviations - Denison

MTC 002299

NOTICE OF DEVIATION Librarian R

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINED TRANSITE SEWER FITTINGS	PLANT & DIV.	DENISON PIPE
		SPEC NO.	TR-425-8
		DEV. NO.	25-78

DATE OF DEVIATION: 8/4/78	PAGES NO:	17			
TIME OF DEVIATION: 7:00 A.M.	DATE OF ISSUE	8/25/77			

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: Customer delay. Order is for 3,600 6" and 8" sewer ells and wyes for Morrison-Knudson order.

AUTHORITY: A. C. Daley's wire 8/3/78. L. A. B. 8/4/78

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. Standard lining material with Teta hardener must be brushed over the P-2 bonded area of all fittings prior to the post curing.
2. Eliminate the standard lining coating over the P-2.
3. Until 11/4/78, or until above order is completed.

"Deviation Cancelled 11/4/78"
@ 7:00 A.M. A. M. Curry / B Lea

Order Completed.

MTC 002300

SIGNED: A. M. Curry — QUALITY CONTROL SUPERVISOR

SIGNED: L. A. Bergman — PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. G.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED

Form QC 48 8/77

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINED TRANSITE PIPE	PLANT & DIV.	DENISON - PIPE
		SPEC NO.	TR-425-B
		DEV. NO.	13-78 (2)

DATE OF DEVIATION: 3/28/78 (6/28/78)		PAGES NO:	7		
TIME OF DEVIATION: 7:00 A.M.		DATE OF ISSUE	6/3/77		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: Unable to brush end coating material when mixed as directed. (Material is too thick.)

CANCELLED

AUTHORITY: L. I. Richards

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. End coating material.

2. Spec states that 177 grams, or .4 lbs, of Cab-O-Sil is to be mixed with 25 lbs of lining material on the minimum side. This formula is too thick. We mix 177 grams, or .4 lbs, of Cab-O-Sil per 40 lbs of lining material, which calculates to be 1.6% Cab-O-Sil to pure resin.

3. Until 9/28/78 or until specs can be changed.

MTC 002301

SIGNED: A. M. Curry — QUALITY CONTROL SUPERVISOR

SIGNED: L. A. Bergman — PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. Q.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED

Form QC 48 5/77

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINED TRANSITE PIPE	PLANT & DIV.	Denison - Pipe
		SPEC NO.	TR-425-8
		DEV. NO.	13-78

DATE OF DEVIATION: 3/28/78		PAGES NO:	7		
TIME OF DEVIATION: 7:00 A.M.		DATE OF ISSUE	6/3/77		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: Unable to brush end coating material when mixed as directed. (Material is too thick.)

CANCELLED

AUTHORITY: L. I. Richards

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. End coating material.
2. Spec states that 177 grams or .4 lbs. of Cab-O-Sil is to be mixed with 25 lbs of lining material on the minimum side. This formula is too thick. We mix 177 grams or .4 lbs. of Cab-O-Sil per 40 lbs. of lining material, which calculates to be 1.6% Cab-O-Sil to pure resin.
3. Until 6/28/78 or until specs can be changed.

MTC 002302

SIGNED: A. M. Curry — QUALITY CONTROL SUPERVISOR

SIGNED: L. A. Bergman — PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR.	MGR.	SUPR.	PROD.	PLNT.	RES.				DATE

Form QC 8-8/

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lined Transite Pipe	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-8
		DEV. NO.	13-78 (3)

DATE OF DEVIATION:	6/28/78, (9/28/78)	PAGES NO:	7		
TIME OF DEVIATION:	7:00 A.M.	DATE OF ISSUE	6/3/77		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: Unable to brush end coating material when mixed as directed. (Material is too thick.)

AUTHORITY: L. I. Richards

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. End Coating Material.

2. Spec states that 177 grams, or .4 lbs., of Cab-O-Sil is to be mixed with 25 lbs. of lining material on the minimum side. This formula is too thick. We mix 177 grams, or .4 lbs., of Cab-O-Sil per 40 lbs. of lining material, which calculates to be 1.6% Cab-O-Sil to pure resin.

3. Until 12/28/78 or until specs can be changed.

"Deviation Cancelled
10/17/78 at 7:00 A.M.
A. M. Curry / Bob La

Due to Spec Change.

MTC 002303

Alan M Curry
SIGNED: Alan M. Curry
QUALITY CONTROL SUPERVISOR

L. A. Bergman
SIGNED: L. A. Bergman
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. Q.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. ENG.	RES. LAB.				DATE ISSUED

Form QC 4a 6/77

Librarian, R (3)

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lined Transite Pipe	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-8
		DEV. NO.	13-78 (3)

DATE OF DEVIATION:	6/28/78, (9/28/78)	PAGES NO:	7		
TIME OF DEVIATION:	7:00 A.M.	DATE OF ISSUE	6/3/77		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: Unable to brush end coating material when mixed as directed. (Material is too thick.)

AUTHORITY: L. I. Richards

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. End Coating Material.

2. Spec states that 177 grams, or .4 lbs., of Cab-O-Sil is to be mixed with 25 lbs. of lining material on the minimum side. This formula is too thick. We mix 177 grams, or .4 lbs., of Cab-O-Sil per 40 lbs. of lining material, which calculates to be 1.6% Cab-O-Sil to pure resin.

3. Until 12/28/78 or until specs can be changed.

MTC 002304

Alan M Curry

SIGNED: Alan M. Curry
QUALITY CONTROL SUPERVISOR

L. A. Bergman

SIGNED: L. A. Bergman
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. Q.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED

Form QC 48 8/77

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lined "Transite"	PLANT & DIV.	Denison-Pipe
		SPEC NO.	Mfg Spec 425-8
		DEV. NO.	A6-76 (2)

DATE OF DEVIATION: 8/30/76 (6/28/77)	PAGES NO:	17		
TIME OF DEVIATION: 7:00 A.M.	DATE OF ISSUE	6-3-77		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: See attached letter.

CANCELLED

AUTHORITY: A. C. Daley

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. Post curing of couplings and fittings.
2. Rely on Barcol hardness test to tell us if cure is adequate.
3. Until 9/28/77 or until specs are changed, whichever is sooner.

MTC 002305

Alan M Curry

SIGNED: Alan M. Curry
QUALITY CONTROL SUPERVISOR

SIGNED: L. A. Bergman L A Bergman
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. G.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED

Form 333-A Ptd. in U.S.A.

Johns-Manville

Internal Correspondence

To: A. C. Daley, CHQ

Date: May 19, 1976

From: A. M. Curry, Denison

Copies: See Below

Subject: REQUESTED DEVIATION ON POST CURING OF EPOXY LINED COUPLINGS AND FITTINGS (OUR PHONE CONVERSATION OF 5/17/76).

On or about 5/6/76 we requested a deviation to waive the specified post cure of epoxy lined couplings and fittings. The background for this request is: (a) that we cannot meet the production commitments if we post cure because each individual piece has to be handled into and out of the oven; (b) the Saudi Arabia couplings are lined over in the Permastran building, further complicating the handling; (c) we have not post cured couplings and fittings for several years now with no known problems; (d) we rely on the Barcol hardness test to tell us if cure is adequate before we send to inventory.

Our original request for deviation was turned down by Research, who suggested that we hold the lined couplings and fittings for four days at a minimum of 80° F. and protected from rain or moisture. This alternative is not practical for us because we do not have a suitable area; it would cause scheduling problems to hold items in process for four days and the only way Q. C. could police it would be to hold the items in process until we could release them.

We propose that a deviation be granted to waive the post cure until such a time that Research can either finalize the proposed revised Barcol test that will definitely tell us whether we have an adequate cure, or recommend some other final test.

AMC/is

cc: John Herr, REC
L. I. Richards
C. G. Stelchek
File: 5.3.1

MTC 002306

NOTICE OF DEVIATION DHQ

JOHNS-MANVILLE MANUFACTURING SPECIFICATION PIPE DIVISION	PRODUCT: EPOXY LINED TRANSITE PIPE 24" CL150 Pipe Insulated for Hyundai Order	PLANT DENISON SPEC NO. TR-425-8 DEV. NO. 77-1

DATE OF DEVIATION: 5-11-77	PAGE NO.	18		
TIME OF DEVIATION:	DATE ISSUED	5-11-77		

TYPE OF DEVIATION: _____ EMERGENCY ☐ AUTHORIZED CHANGE ☒
_____ ☐ PLANT SIZE TRIAL ☐

REASON: Blistered Pipe

CANCELLED

AUTHORITY: Q. A. Manager - A. C. Daley

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. Patching Blisters in TRANSITE Pipe
2. Method of Reworking:
   - A. Locate void or blister and remove loose laminate, until solid material is found.
   - B. Clean void with air.
   - C. Wash void area with alcohol.
   - D. Allow time for solvent to evaporate.
   - E. Fill void with P2 Epoxy Patch, leaving excess material so patched area can be ground; later.
   - F. If any void appears in P2 Patch after grinding excess material, repatch and regrind.
   - G. After all voids are satisfactorily filled and smoothed, flush I.D. of pipe.
   - H. Pipe can be resanded and lined.
3. DEVIATION TO BE CANCELLED: 90 Days

SIGNED: A C Daley
QUALITY CONTROL MANAGER

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED: _____

PAGE ____ OF ____ DATE ISSUED 5-11-77

MTC 002307

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINED PIPE	PLANT & DIV.	LONG BEACH PIPE
		SPEC NO.	425-8
		DEV. NO.	192

DATE OF DEVIATION: 6-1-77	PAGES NO:	3	4	
TIME OF DEVIATION:	DATE OF ISSUE	2-11-77	2-11-77	

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: EQUIPMENT LIMITATION
WE DO NOT HAVE FLAPSANDER

CANCELLED

AUTHORITY: A. C. DALEY

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. PIPE PREPARATION - FLAPSANDER

2. USE SANDBLASTER UNTIL FLAPSANDER IS INSTALLED.

3. 9-1-77

MTC 002308

SIGNED: H Kalden
QUALITY CONTROL SUPERVISOR

SIGNED: R A Benson
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. Q.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED 6-1-77

Form 333-3-A Ptd. In U.S.A.

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINED PIPE	PLANT & DIV.	LONG BEACH PIPE
		SPEC NO.	425-8
		DEV. NO.	192

DATE OF DEVIATION: 4-11-77	PAGES NO: 7		
TIME OF DEVIATION:	DATE OF ISSUE: 4-20-76		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: EQUIPMENT LIMITATION

CANCELLED

AUTHORITY: A.C. DALEY VERBAL

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1 PLACING CPLGS WITH OPEN ENDS IN DIRECTION OF AIR FLOW

2 LOAD FULL PALLET OF CPLGS TO OVEN

3 - 7-11-77

Brng up 6-20-77
Cancel automatically 7-11-77
Plant must request & process a new deviation if needed beyond 7-11-77.
Dist: ~~Laureau~~ R&D
P. E. Dix
C. B. Allen
H. Kahler - F/B
R. Brunson - F/B

SIGNED: H Kahler
QUALITY CONTROL SUPERVISOR

SIGNED: R. Brunson / HK
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. Q.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED

Form 333-3-A Ptd. In U.S.A.

MTC 002309

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINED PIPE	PLANT & DIV.	LONG BEACH PIPE
		SPEC NO.	425-8
		DEV. NO.	191

DATE OF DEVIATION:	PAGES NO:	16		
TIME OF DEVIATION:	DATE OF ISSUE	4-20-76		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: EQUIPMENT LIMITATION

CANCELLED

AUTHORITY: A. C. DALEY - VERBAL

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1 - SPINNER HEAD SPEEDS

9,000 TO 12,000 RPM - DRY

8,000 RPM - LOADED -

2 - 9,000 TO 14,800 - DRY

8,000 TO 13,900 - LOADED

3 - 6-5-77

SIGNED: Homer Peterson
QUALITY CONTROL SUPERVISOR

SIGNED: Roger C. Peterson
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. G.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED

Form 333-3-A Ptd. In U.S.A.

MTC 002310

NOTICE OF DEVIATION

4.5

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINED "TRANSITE" PIPE PIPE, COUPLINGS AND FITTINGS	PLANT & DEPT.	Long Beach - Pipe
		SPEC. NO.	425-8
		DEV. NO.	77

DATE OF DEVIATION:	PAGES NO.	3		
TIME OF DEVIATION:	DATE OF ISSUE	4-26-68		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: EQUIPMENT NOT AVAILABLE ON NO. 1 LINE

(CANCEL)

AUTHORITY: A.C. DAUM'S LETTER TO G. DELONG 8-6-68

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. 48 ID FLAP WHEEL SANDER

2. USE EXISTING AIR BLAST SANDER

3. WHEN EQUIPMENT IS INSTALLED FOR FLAP SANDING

MTC 002311

PLEASE RETURN TO
J-M RESEARCH
LIBRARY (MM)

SIGNED: H. Kahlen
QUALITY CONTROL SUPERVISOR

SIGNED: S. Moyer
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

DIR. Q.C.	ASST. Q.C.	CHIEF Q.C.	PROD. SUPT.	PLANT MGR.	OTHER			DATE ISSUED 9-20-68

Form 223-3PM. IN U.S.A.

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lining: Pipe, Couplings & Fittings	PLANT & DIV.	PIPE-DHQ
		SPEC NO.	425-8
		DEV. NO.	DHQ23

DATE OF DEVIATION: June 15, 1965	PAGES NO:	4
TIME OF DEVIATION:	DATE OF ISSUE	7-6-64

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: To Test All Batches of Lining

AUTHORITY: J. J. Thomas's Letter of 6-9-65

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. LINING MATERIAL

Until further equipment is available, batch samples will be accumulated over a 24 hour period and then tested individually for percent solids.

Each pipe will be marked according to the batch of resin which was used in lining it.

PLEASE RETURN TO
J-M RESEARCH
LIBRARY (MM)

MTC 002312

SIGNED: _____ SIGNED: _____
QUALITY CONTROL SUPERVISOR PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. Q.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES.				DATE ISSUED 6-15-65

Form 333-3-A Pfd. in U.S.A.

Division Headquarters
Manville Plant

August 24, 1965

P. B. Proctor - GHQ
Librarian - Research
A. C. Daley - DHQ
C. G. Stelchek - Denison
L. L. Trauth - Marrero
B. L. Thacher - Stockton
H. F. Kahlen - Long Beach
J. E. Hesse - Green Cove Springs
D. A. Ley - Toronto Plant
R. M. Hutchison - Franklin

Division Manufacturing Specification

C O R R E C T I O N

The attached Deviations are being reissued for the sole purpose of correcting the Deviation Number (Manufacturing Spec. 425-8) from DHQ 22 to DHQ 23. (Deviation Number DHQ 22 was issued for Manufacturing Spec. 425-2).

Please stress attention concerning this correction to those people on your distribution list in order that they may not be misled in believing that a new Deviation is being issued or other corrections (other than the Devia tion Number) were made.

Thank you.

F. Hardenstein/ C.a.o.
C.A. Orlando

PLEASE RETURN TO
J-M RESEARCH
LIBRARY

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lining: Pipe, Couplings & Fittings	PLANT & DIV.	PIPE-DHQ
		SPEC NO.	425-8
		DEV. NO.	DHQ 22

DATE OF DEVIATION: June 15, 1965	PAGES NO:	4			
TIME OF DEVIATION:	DATE OF ISSUE	7-6-64			

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: To Test All Batches of Lining

AUTHORITY: J. J. Thomas's Letter of 6-9-65

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. LINING MATERIAL

Until further equipment is available, batch samples will be accumulated over a 24 hour period and then tested individually for percent solids.

Each pipe will be marked according to the batch of resin which was used in lining it.

PLEASE RETURN TO
J-M RESEARCH
LIBRARY (MM)

MTC 002314

SIGNED: _____ QUALITY CONTROL SUPERVISOR

SIGNED: _____ PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. G.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. ENG.	RES. LAB.				DATE ISSUED 6-15-65

Form 333-3-A Ptd. in U.S.A.

NOTICE OF RETURN

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy - Lining	PLANT & DIV.	PIPE - DHQ
		SPEC NO.	435-8
		DEV. NO.	DHQ 20

DATE OF DEVIATION: May 11, 1965	PAGES NO:	4		
TIME OF DEVIATION:	DATE OF ISSUE	7-6-64		

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED: June 15, 1965

COMMENTS: (GIVE BRIEF STATEMENT AS TO RESULTS OF DEVIATION — IF A SEPARATE REPORT IS TO BE ISSUED; STATE BY WHOM & DATE.)

Instructions Revised. See Deviation DHQ 22.

PLEASE RETURN TO
J-M RESEARCH
LIBRARY (MM)

SIGNED: _____ QUALITY CONTROL SUPERVISOR

SIGNED: _____ PRODUCTION SUPERINTENDENT

DIR. Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. Lab.				DATE ISSUED	6-15-65

Form 333-4 Ptd. In U.S.A.

MTC 002315

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lining: Pipe, Couplings & Fittings	PLANT & DIV.	PIPE - DEQ
		SPEC NO.	425-8
		DEV. NO.	DEQ 20

DATE OF DEVIATION: May 11, 1965	PAGES NO:	4		
TIME OF DEVIATION:	DATE OF ISSUE	7-6-64		

TYPE OF DEVIATION: ☐ EMERGENCY ☐ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: To Test All Batches of Lining

AUTHORITY: Research Approval

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. LINING MATERIAL

Until further equipment is available, batch samples will be accumulated over a 24 hour period and then tested individually for percent solids.

PLEASE RETURN TO
JM RESEARCH
LIBRARY (MM)

MTC 002316

SIGNED: _____ QUALITY CONTROL SUPERVISOR

SIGNED: _____ PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. Q.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED 5-13-65

5/12

Form 333-3-A Ptd. In U.S.A.

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lining - Pipe, Couplings & Fittings	PLANT & DIV.	PIPE
		SPEC NO.	425-8
		DEV. NO.	DHQ-19

DATE OF DEVIATION: 1-25-65	PAGES NO:	7		
TIME OF DEVIATION:	DATE OF ISSUE	7-13-64		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: To apply a heavier 32-mil lining to sewer and stub sewer pipe. This does not apply to sewer fittings nor to any water or industrial pipe.

AUTHORITY: J. B. McCarty's letter dated January 22, 1965

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

NOMINAL PIPE SIZE	NO. OF PASSES	RPM	CUPFULL TIME SECONDS	PROBE RATE SEC./6 FT.
4	1	114	13.2	32
5	1	108	13.2	42
6	2	98	11.8	22
8	2	85	10.6	25.8
10	2	76	11.7	33.9
12	2	70	11.5	43.4
14	2	64	10.6	46
16	2	60	10.6	52
18	2	57	10.6	61
20	2	54	10.6	68
24	2	50	10.6	82
30	2	44	10.6	100
36	2	39	10.6	120

MTC 002317

PLEASE RETURN TO J-M RESEARCH LIBRARY (MM)

SIGNED: _____ SIGNED: _____
QUALITY CONTROL SUPERVISOR PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. G.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED 3-31-65

Form 333-3-A Pld. in U.S.A.

Division Headquarters
Manville Plant

August 19, 1965

P. B. Proctor - GHQ
Librarian - Research
A. C. Daley - DHQ
C. G. Stelchek - Denison
L. L. Trauth - Marrero
B. L. Thacher - Stockton
H. F. Kahlen - Long Beach
J. E. Hesse - Green Cove Springs
D. A. Ley - Toronto Plant
R. M. Hutchison - Franklin

Division Manufacturing Specification

Attached you will find your copies of the following:

C A N C E L L A T I O N

Epoxy Lined Pipe

Please cancel Deviation DHQ-19, Manufacturing Spec. 425-8, Issued 3-31-65.

This information has been transferred to Page 7 of the Specification (Proposed).

J. D. Macdonald

425

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINING PIPE, COUPLINGS & FITTINGS	PLANT & DIV.	[illegible]
		SPEC NO.	425-[illegible]
		DEV. NO.	[illegible]

DATE OF DEVIATION: February 4, 1964	PAGES NO:	7			
TIME OF DEVIATION:	DATE OF ISSUE	12-[illegible]			

TYPE OF DEVIATION: ☐ EMERGENCY ☐ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: To evaluate the use of a two-coat 26 mil lining (2 passes of 13 mils each) in place of the present 20 mil per 6" and larger Sewer Pipe. A one-pass 26 mil lining will be used for 3", 4", and 5" Stub and Building Sewer Pipe. This does not apply to 20 mil lined Pressure and Industrial Vent Pipe unless called for on the order.
The two passes will be applied with the standard spinner rather than the double fan type. Operating criteria are listed below.

AUTHORITY: L. B. McCarty's letter dated 1-29-64

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

Nominal Pipe Size	RPM	Lining Thickness	Lining Passes	Cupfill Time Sec.	Probe Rate Seconds 6 ft.
3	125	26 Mil	1	16.2	26
4	114	26 Mil	1	16.2	32
5	108	26 Mil	1	16.2	42
6	98	26 Mil	2	14.5	22
8	85	26 Mil	2	13	25.8
10	76	26 Mil	2	13.7	33.3
12	70	26 Mil	2	14.2	43.4
14	64	26 Mil	2	13	46
16	60	26 Mil	2	13	52
18	57	26 Mil	2	13	61
20	54	26 Mil	2	13	68
24	50	26 Mil	2	13	8[illegible]
30	44	26 Mil	2	13	100
36	39	26 Mil	2	13	120

This deviation will continue in effect for 4 to 6 months.

RETURN TO J-M RESEARCH FILE ROOM

MTC 002319

SIGNED: [signature] QUALITY CONTROL SUPERVISOR

SIGNED: _____ PRODUCTION SUPERINTENDENT

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. G.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. S.I.T.	PLNT. FIN.	MGS.				DATE ISSUED 2-6-64

Form 333-3-A Ptd. In U.S.A.

Division Headquarters
Manville Plant

May 12, 1965

P. B. Proctor - GHQ
Librarian - Research
A. C. Daley - DHQ
C. G. Stelchek - Denison
C. G. Bryant - Manville
L. L. Trauth - Marrero
B. L. Thacher - Stockton
H. F. Kahlen - Long Beach
O. H. Schlemmer - Waukegan

DIVISION MANUFACTURING SPECIFICATIONS

C A N C E L L A T I O N

Please Cancel:

Deviation No. DHQ 15
Dated February 6, 1964
Against Page 7
of Manufacturing Specification
425-8, Epoxy Lining: Pipe,
Couplings and Fittings

This entire specification will be revised as soon as time permits.

J D M/cao
J. D. Macdonald

MTC 002320

NOTICE OF DEVIATION JUN 8 1968

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINED "TRANSITE" PIPE, COUPLINGS, AND FITTINGS	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-8
		DEV. NO.	1-68

DATE OF DEVIATION: May 23, 1968	PAGES NO:	2	5	
TIME OF DEVIATION:	DATE OF ISSUE	4/26/68	4/26/68	

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: Plant's inability to comply with specifications in some areas.

CANCELLED

AUTHORITY: A. C. Daley's letter of May 10, 1968.

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. a.) Specification requires (page 1) all coupLings for lining to be pre-dried for a minimum of 10 hours and a maximum of 12 hours.

   b.) Specification requires (page 5) couplings be preheated for one hour ± 10 minutes.

2. a.) Our couplings are stored outside and frequently must be dried more than the maximum of 12 hours. A maximum of 24 hours on all couplings is proposed.

   b.) It is physically impossible to load and unload our oven with couplings to one hour preheat time ± 10 minutes. We cannot comply with the ± 10 minutes.

3. Effective until further notice or until specification can be revised.

MTC 002321

SIGNED: W. L. Bird
QUALITY CONTROL SUPERVISOR

SIGNED: C. A. Stelchek
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

DIR. Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.			DATE ISSUED

Form 33a-3Pld. IN U.S.A.

Librarian, Res.

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lined "Transite"	PLANT & DIV.	Denison-Pipe
		SPEC NO.	Mfg. Spec. 425-8
		DEV. NO.	46-76

DATE OF DEVIATION: 8/30/76	PAGES NO:	19	20	
TIME OF DEVIATION: 7:00 A.M.	DATE OF ISSUE	4/20/76	7/19/76	

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: See attached letter

CANCELLED

AUTHORITY: A. C. Daley

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. Post curing of couplings and fittings.
2. Rely on Barcol hardness test to tell us if cure is adequate.
3. Until 11/30/76 or until specs are changed, whichever is sooner.

PLEASE RETURN TO
J-M RESEARCH
INFORMATION CENTER

MTC 002322

SIGNED: A. M. Curry
QUALITY CONTROL SUPERVISOR

SIGNED: C. G. Stelchek
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. G.C.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. ENG.	RES. LAB.		RMC	DATE ISSUED

Form 333-A Pid. In U.S.A.

Johns-Manville Internal Correspondence

To: A. C. Daley, GHQ

Date: May 19, 1976

From: A. M. Curry, Denison

Copies: See Below

Subject: REQUESTED DEVIATION ON POST CURING OF EPOXY LINED COUPLINGS AND FITTINGS (OUR PHONE CONVERSATION OF 5/17/76).

B/U 6-28-76

AMC

What is status? LR

On or about 5/6/76 we requested a deviation to waive the specified post cure of epoxy lined couplings and fittings. The background for this request is: (a) that we cannot meet the production committments if we post cure because each individual piece has to be handled into and out of the oven; (b) the Saudi Arabia couplings are lined over in the Permastran building, further complicating the handling; (c) we have not post cured couplings and fittings for several years now with no known problems; (d) we rely on the Barcol hardness test to tell us if cure is adequate before we send to inventory.

I talked to Art 7/2/76 - said he didn't have an answer from Research but would follow up on them. Alan

Our original request for deviation was turned down by Research, who suggested that we hold the lined couplings and fittings for four days at a minimum of 80° F. and protected from rain or moisture. This alternative is not practical for us because we do not have a holding area; it would cause scheduling problems to hold items in process for four days and the only way Q. C. could police it would be to hold the items in process until we could release them.

We propose that a deviation be granted to waive the post cure until such a time that Research can either finalize the proposed revised Barcol test that will definitely tell us whether we have an adequate cure, or recommend some other final test.

AMC/is

cc: John Herr, REC
L. I. Richards
C. G. Stelchek
File: 5.3.1

B/U 8-15-76

check out w/ AMC

PLEASE RETURN TO
J-M RESEARCH
INFORMATION CENTER

MTC 002323

NOTICE OF RETURN

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Lined "Transite" Pipe	PLANT & DIV.	Denison-Pipe
		SPEC NO.	425-8
		DEV. NO.	18-76

DATE OF DEVIATION:	3/25/76	PAGES NO:	7
TIME OF DEVIATION:	7:00 A.M.	DATE OF ISSUE	4/23/68

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED: 5/12/76 at 7:00 A.M.

COMMENTS: (GIVE BRIEF STATEMENT AS TO RESULTS OF DEVIATION – IF A SEPARATE REPORT IS TO BE ISSUED; STATE BY WHOM & DATE.

Specification has been updated to include this deviation.

MTC 002324

PLEASE RETURN TO
J-M RESEARCH
INFORMATION CENTER

SIGNED: A. M. Curry
QUALITY CONTROL SUPERVISOR

SIGNED: C. G. Stelché
PRODUCTION SUPERINTENDENT

MGR. G.C.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.		DATE ISSUED

Form 333-4-A Ptd. In U.S.A.

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: LINED "TRANSITE" PIPE	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-B
		DEV. NO.	18-76

DATE OF DEVIATION:	3/25/76	PAGES NO:	7		
TIME OF DEVIATION:	7:00 a.m.	DATE OF ISSUE	4/26/68		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: End coating mix is too thick to hold close tolerances on finished D_2 dimension.

AUTHORITY: See Long Beach's Deviation No. 179.

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. End coating material
2. Mix 252 grams of Cab-O-Sil to 35 lbs. of Resin (instead of 25 lbs.)
3. Until further notice.

PLEASE RETURN TO
J-M RESEARCH
INFORMATION CENTER

SIGNED: A. H. Curry — QUALITY CONTROL SUPERVISOR

SIGNED: C. G. Stelchek — PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. G.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB			DATE ISSUED

Form 333-3-A Ptd. in U.S.A.

CAUTION - REMOVE PROTECTOR SHEET BEFORE TYPING

Librarian Rec

NOTICE OF RETURN

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lined Pipe	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425 - 8
		DEV. NO.	35 - 74

DATE OF DEVIATION:	10/28/74	PAGES NO:	7		
TIME OF DEVIATION:	7:00 A.M.	DATE OF ISSUE	4/26/68		

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED: 5/12/76 at 7:00 A.M.

COMMENTS: (GIVE BRIEF STATEMENT AS TO RESULTS OF DEVIATION – IF A SEPARATE REPORT IS TO BE ISSUED; STATE BY WHOM & DATE.)

Specification has been updated to include this deviation.

PLEASE RETURN TO
J-M RESEARCH
INFORMATION CENTER

MTC 002326

SIGNED: Alan M Curry
A. M. Curry
QUALITY CONTROL SUPERVISOR

SIGNED: C. G. Stelchek
PRODUCTION SUPERINTENDENT

MGR. G.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.			DATE ISSUED

Form 333-4-A Ptd. In U.S.A.

Librarian REC

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINED PIPE	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-8
		DEV. NO.	35-74

DATE OF DEVIATION: 10-28-74	PAGES NO:	7		
TIME OF DEVIATION: 7:00 A.M.	DATE OF ISSUE	4-26-68		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: Pigmentation in amount specified leaves lining almost clear or uncolored.

AUTHORITY: J. Herr per phone conversation of 10-25-74.

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. Concentration of pigmentation.
2. Use 5.5 lbs. of blue paste per drum of epoxy instead of 3.1 lbs. per drum.
3. Until further notice.

PLEASE RETURN TO
J-M RESEARCH
INFORMATION CENTER

MTC 002327

SIGNED: Alan M. Curry
QUALITY CONTROL SUPERVISOR

SIGNED: L. J. Richards
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. Q.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED

Form 33 Ptd. in U.S.A.

NOTICE OF RETURN

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINED "TRANSITE" PIPE PIPE COUPLINGS AND FITTINGS	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-8
		DEV. NO.	18-71

DATE OF DEVIATION:	10/8/71	PAGES NO:	16		
TIME OF DEVIATION:	8:00 a.m.	DATE OF ISSUE	5/8/69		

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED: 5/21/76 at 7:00 a.m.

COMMENTS: (GIVE BRIEF STATEMENT AS TO RESULTS OF DEVIATION – IF A SEPARATE REPORT IS TO BE ISSUED; STATE BY WHOM & DATE.)

Specification has been updated making this Deviation standard procedure.

PLEASE RETURN TO
J-M RESEARCH
INFORMATION CENTER

MTC 002328

SIGNED: A. H. Curry
QUALITY CONTROL SUPERVISOR

SIGNED: C. G. Stelchek
PRODUCTION SUPERINTENDENT

MGR. G.C.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	R&D LAB.			DATE ISSUED

Form 333-4-A Ptd. in U.S.A.

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lined "Transite" Pipe, Pipe Couplings and Fittings	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-8
		DEV. NO.	18-71

DATE OF DEVIATION: 10-8-71	PAGES NO:	16		
TIME OF DEVIATION: 8:00 a.m.	DATE OF ISSUE	5-8-69		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: Actual experience indicates that it is frequently necessary to make more than a maximum of 3 patches in any one pipe on 3" pipe to minimize permanent rejects.

AUTHORITY: Verbal approval per A. C. Daley 1-31-69.

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. Specification limits "a maximum of 3 patches of a maximum 3/4 inch in diameter" in any one pipe.

2. Allow a maximum of 6 patches not more than 3/4 inch in diameter in 3" lined pipe.

3. This deviation will be effective until the Manufacturing Specification is revised.

PLEASE RETURN TO J-M RESEARCH LIBRARY

SIGNED: J. W. Bird
QUALITY CONTROL SUPERVISOR

SIGNED: C. G. Stelchek
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. G.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	REP.				DATE ISSUED

Form 333-3A Ptd. in U.S.A.

MTC 002329

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINED "TRANSITE" PIPE, COUPLINGS, AND FITTINGS	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-8
		DEV. NO.	17-71

DATE OF DEVIATION: October 8, 1971		PAGES NO:	10		
TIME OF DEVIATION: 8:00 AM		DATE OF ISSUE	5/8/69		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON:

Cannot obtain specified cup fill times with our Lapp pumps.

AUTHORITY: A. C. Daley's letter of May 10, 1968

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. Specified cup fill time.

2. We have found through experience that we get our best lining appearance with approximately a 15 second cup fill time. The maximum output of our resin Lapp pumps is 9 seconds cup fill for #2 and 12 seconds for #1 pump.

3. Until further notice.

PLEASE RETURN TO J-M RESEARCH LIBRARY

SIGNED: J. W. Bird
QUALITY CONTROL SUPERVISOR

SIGNED: C. G. Stelchek
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. G.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.				DATE ISSUED

Form 33-3A Ptd. in U.S.A.

MTC 002330

Librarian - Research

NOTICE OF RETURN

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINED "TRANSITE" PIPE, COUPLINGS, AND FITTINGS	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-8
		DEV. NO.	17-71

DATE OF DEVIATION: 10/8/71		PAGES NO:	10		
TIME OF DEVIATION: 8:00 a.m.		DATE OF ISSUE	5/8/69		

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED: 5/21/76

COMMENTS: (GIVE BRIEF STATEMENT AS TO RESULTS OF DEVIATION – IF A SEPARATE REPORT IS TO BE ISSUED; STATE BY WHOM & DATE.)

Specification has been updated making this Deviation standard procedure.

PLEASE RETURN TO
J-M RESEARCH
INFORMATION CENTER

MTC 002331

Alan M Curry

SIGNED: A. M. Curry
QUALITY CONTROL SUPERVISOR

SIGNED: C. G. Stelchek
PRODUCTION SUPERINTENDENT

MGR. G.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.			DATE ISSUED

Form 333-4-A Ptd. In U.S.A.

Librarian - Rec

NOTICE OF RETURN

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lined "Transite" Pipe, Couplings, and Fittings	PLANT & DIV.	Denison-Pipe
		SPEC NO.	425-8
		DEV. NO.	16-71

DATE OF DEVIATION: October 8, 1971	PAGES NO:	3	5	3
TIME OF DEVIATION: 8:00 A.M.	DATE OF ISSUE	11/19/70	4/26/68	4/26/63

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED: 5/12/76 at 7:00 A.M.

COMMENTS: (GIVE BRIEF STATEMENT AS TO RESULTS OF DEVIATION – IF A SEPARATE REPORT IS TO BE ISSUED; STATE BY WHOM & DATE.)

Specification has been updated to include this deviation.

PLEASE RETURN TO
J-M RESEARCH
INFORMATION CENTER

MTC 002332

SIGNED: A. M. Curry
QUALITY CONTROL SUPERVISOR

SIGNED: C. G. Stelchek
PRODUCTION SUPERINTENDENT

MGR.	MGR.	SUPR.	PROD.	PLNT.	RES.			DATE

Form 333-4-A Ptd. In U.S.A.

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lined "Transite" Pipe, Couplings, and Fittings	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-8
		DEV. NO.	16-71

DATE OF DEVIATION:	October 8, 1971	PAGES NO:	3	5	8
TIME OF DEVIATION:	8:00 a.m.	DATE OF ISSUE	11-19-70	4-26-68	4-26-68

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON:

Recording equipment not available.

AUTHORITY: A. C. Daley's letter of May 10, 1968

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. Specification requires recording devices on drying ovens, preheat ovens, and resin return lines.

2. Continue production without recorders. Current business level will not permit justification of recorders.

3. UFN

PLEASE RETURN TO
J-M RESEARCH
LIBRARY

SIGNED: J. W. Bird J. W. Bird
QUALITY CONTROL SUPERVISOR

SIGNED: C. G. Stelchek
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. G.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES.			DATE ISSUED

Form 333-3A Ptd. in U.S.A.

NOTICE OF RETURN

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lined "Transite" Pipe, Couplings, and Fittings	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-8
		DEV. NO.	2-69

DATE OF DEVIATION:	2-3-69	PAGES NO:	16		
TIME OF DEVIATION:	8:00 a.m.	DATE OF ISSUE	4-26-68		

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED: 10-8-71 8:00 a.m.

COMMENTS: (GIVE BRIEF STATEMENT AS TO RESULTS OF DEVIATION — IF A SEPARATE REPORT IS TO BE ISSUED; STATE BY WHOM & DATE.)

Deviation 2-69 is cancelled. A new deviation will be issued to refer to the current specification page number.

PLEASE RETURN TO
J-M RESEARCH
LIBRARY

MTC 002334

SIGNED: J. W. Bird
QUALITY CONTROL SUPERVISOR

SIGNED: C. G. Stelchek
PRODUCTION SUPERINTENDENT

DIR. Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.				DATE ISSUED 10-8-71

Form 333-4 Ptd. In U.S.A.

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINED "TRANSITE" PIPE, PIPE COUPLINGS AND FITTINGS	PLANT & DIV.	Denison -
		SPEC NO.	425-8
		NO.	2-69

DATE OF DEVIATION:	2/3/69	PAGES NO:	16		
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	4/26/68		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: Actual experience indicates that it is frequently necessary to make more than a maximum of 3 patches in any one pipe on 3" pipe to minimize permanent rejects.

AUTHORITY: Verbal approval per A. C. Daley 1/31/69.

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. Specification limits " a maximum of 3 patches of a maximum 3/4 inch in diameter" in any one pipe.

2. Allow a maximum of 6 patches not more than 3/4 inch in diameter in 3" lined pipe.

3. This deviation will be effective until the Manufacturing Specification is revised.

PLEASE RETURN TO J-M RESEARCH LIBRARY (MM)

MTC 002335

SIGNED: _____ SIGNED: _____

QUALITY CONTROL SUPERVISOR PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

DIR. Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES.			DATE ISSUED

Form 333-3Ptd. IN U.S.A.

NOTICE OF RETURN

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINED "TRANSITE" PIPE, PIPE COUPLINGS, AND FITTINGS	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-8
		DEV. NO.	4-68

DATE OF DEVIATION: 6/19/68	PAGES NO:	17	
TIME OF DEVIATION: 8:00 a.m.	DATE OF ISSUE	4/25/68	

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED: 8:00 a.m., September 19, 1968

COMMENTS: (GIVE BRIEF STATEMENT AS TO RESULTS OF DEVIATION — IF A SEPARATE REPORT IS TO BE ISSUED; STATE BY WHOM & DATE.)

RE: J. A. MUNDER'S LETTER OF AUGUST 20, 1968, TO A. C. DALEY

After reviewing comments made by Research relative to Plant Deviation 4-68, it was decided to return to the procedure specified.

MTC 002336

PLEASE RETURN TO
J-M RESEARCH
LIBRARY (MM)

SIGNED: J. W. Bird
QUALITY CONTROL SUPERVISOR

SIGNED: C. H. Stalcup
PRODUCTION SUPERINTENDENT

DIR. Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.				DATE ISSUED 9-19-68

Form 333-4 Pld. In U.S.A.

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINED "TRANSITE" PIPE, PIPE COUPLINGS, AND FITTINGS	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-8
		DEV. NO.	4-68

DATE OF DEVIATION: 6-19-68	PAGES NO:	17		
TIME OF DEVIATION: 8:00 A. M.	DATE OF ISSUE	4-26-68		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: Plant's inability to comply with specification as written

AUTHORITY: A. C. Daley's telephone conversation 6-11-68

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. Specification requires standard lining material with TETA hardener be brushed over the P-2 bonded area of all fittings prior to the post curing.

2. It is impractical to have the lining department send a man in to the moulding area to brush lining material over the P-2 epoxy on fittings prior to post cure. We propose doing this after the post cure of the fittings in our area inspection location inside the plant. A trial indicated that the lining material would harden satisfactorily being applied in this area after the post cure.

3. Effective until further notice or until specification can be revised.

MTC 002337

PLEASE RETURN TO J-M RESEARCH LIBRARY (MM)

SIGNED: J. L. Bird
QUALITY CONTROL SUPERVISOR

SIGNED: C. A. Hildebrand
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

DIR. Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. ENG.	RES. LAB.	Not Accepted D.C.M.		DATE ISSUED

Form 333-3Ptd. IN U.S.A.

NOTICE OF RETURN

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lined "Transite" Pipe, Couplings, and Fittings	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-8
		DEV. NO.	3-68

DATE OF DEVIATION: May 23, 1968	PAGES NO:	10		
TIME OF DEVIATION: 8:00 AM	DATE OF ISSUE	4/26/68		

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED: Oct. 8, 1971 8:00 AM

COMMENTS: (GIVE BRIEF STATEMENT AS TO RESULTS OF DEVIATION — IF A SEPARATE REPORT IS TO BE ISSUED; STATE BY WHOM & DATE.)

Deviation 3-68 is cancelled. A new deviation will be issued to refer to the current specification page number.

PLEASE RETURN TO
J-M RESEARCH
LIBRARY

SIGNED: J. W. Bird — QUALITY CONTROL SUPERVISOR

SIGNED: C. G. Stelchek — PRODUCTION SUPERINTENDENT

DIR. Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.				DATE ISSUED 10/8/71

Form 333-4 Pd. In U.S.A.

MTC 002338

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINED "TRANSITE" PIPE, COUPLINGS, AND FITTINGS	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-8
		DEV. NO.	3-68

DATE OF DEVIATION: May 23, 1968	PAGES NO:	10		
TIME OF DEVIATION:	DATE OF ISSUE	4/26/68		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON:

Cannot obtain specified cup fill times with our Lapp pumps.

AUTHORITY: A. C. Daley's letter of May 10, 1968

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. Specified cup fill time.

2. We have found through experience that we get our best lining appearance with approximately a 15 second cup fill time. The maximum output of our resin Lapp pumps is 9 seconds cup fill for #2 and 12 seconds for #1 pump.

3. Until further notice.

PLEASE RETURN TO
J-M RESEARCH
LIBRARY (MM).

SIGNED: J. W. Bird
QUALITY CONTROL SUPERVISOR

SIGNED: C. Stitcher
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

DIR. Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.			DATE ISSUED

Form 333-3Ptd. IN U.S.A.

MTC 002339

NOTICE OF RETURN

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lined "Transite" Pipe, Couplings, and Fittings	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-8
		DEV. NO.	2-68

DATE OF DEVIATION: May 23, 1968	PAGES NO:	3	5	8
TIME OF DEVIATION:	DATE OF ISSUE	4-26-68	4-26-68	4-26-68

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED: 10-8-71 8:00 a.m.

COMMENTS: (GIVE BRIEF STATEMENT AS TO RESULTS OF DEVIATION — IF A SEPARATE REPORT IS TO BE ISSUED; STATE BY WHOM & DATE.)

Deviation is cancelled. A new deviation will be issued to refer to the current specification page number.

PLEASE RETURN TO J-M RESEARCH LIBRARY

MTC 002340

SIGNED: J. W. Bird — QUALITY CONTROL SUPERVISOR

SIGNED: C. G. Stelchek — PRODUCTION SUPERINTENDENT

DIR. Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.					DATE ISSUED 10-8-71

Form 333-4 Ptd. in U.S.A.

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION –	PRODUCT: EPOXY LINED "TRANSITE" PIPE, COUPLINGS, AND FITTINGS	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-8
		DEV. NO.	2-68

DATE OF DEVIATION: May 23, 1968	PAGES NO:	3	5	8
TIME OF DEVIATION:	DATE OF ISSUE	4/26/68	4/26/68	4/26/68

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON: Recording equipment not available.

AUTHORITY: A. C. Daley's letter of May 10, 1968

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. Specification requires recording devices on drying ovens, preheat ovens, and resin return lines.

2. Continue production without recorders until they can be provided (an appropriation is being prepared to provide necessary equipment).

3. When recorders have been installed this deviation will be cancelled.

PLEASE RETURN TO
J-M RESEARCH
LIBRARY (MM)

SIGNED: J. W Bird
QUALITY CONTROL SUPERVISOR

SIGNED: C R Stolchek
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

DIR. Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.			DATE ISSUED

Form 333-3Pld. IN U.S.A.

MTC 002341

Librarian-REC Send to R&D

NOTICE OF RETURN

[illegible]	PRODUCT: Epoxy Lined "Transite" Pipe Couplings, and Fittings	PLANT & DIV.	Denison-Pipe
		SPEC NO.	425-8
		DEV. NO.	1-68

DATE OF DEVIATION: May 23, 1968	PAGES NO:	2	5	
TIME OF DEVIATION:	DATE OF ISSUE	4/26/68	4/26/68	

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

WHEN AND THIS DEVIATION WAS CANCELLED: 6/22/77 at 7:00 A.M.

COMMENTS: (GIVE BRIEF STATEMENT AS TO RESULTS OF DEVIATION — IF A SEPARATE REPORT IS TO BE ISSUED; STATE BY WHOM & DATE.)

This deviation is no longer needed because specifications have been revised.

MTC 002342

SIGNED: Alan M. Curry
QUALITY CONTROL SUPERVISOR

SIGNED: L. A. Bergman
PRODUCTION SUPERINTENDENT

[illegible]	[illegible]	[illegible]	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED

Form 333-4-A Ptd. In U.S.A.

NOTICE OF RETURN

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINING: PIPE COUPLINGS AND FITTINGS	PLANT & DIV.	DENISON -P
		SPEC NO.	425-3
		DEV. NO.	6-65

DATE OF DEVIATION:	6/4/65	PAGES NO:	22		
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	4/8/64		

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED: 2/18/66 8:00 A.M.

COMMENTS: (GIVE BRIEF STATEMENT AS TO RESULTS OF DEVIATION — IF A SEPARATE REPORT IS TO BE ISSUED; STATE BY WHOM & DATE.)

It is not necessary to shorten post cure time at our present production levels. If future bottle neck in post cure oven occurs a new deviation will be issued.

MTC 002343

PLEASE RETURN TO
J-M RESEARCH
LIBRARY (MM)

SIGNED: C. G. Stelchek
QUALITY CONTROL SUPERVISOR

SIGNED: W. E. Volwiler
PRODUCTION SUPERINTENDENT

DIR. Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES.			DATE ISSUED 2/18/66

Form 321-4 Ptd. in U.S.A.

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lining - Pipe Coupling & Fittings	PLANT & DIV.	Denison - P
		SPEC NO.	425-8
		DEV. NO.	6/65

DATE OF DEVIATION: 6/4/65		PAGES NO:	12		
TIME OF DEVIATION: 8:00 A.M.		DATE OF ISSUE	4/3/64		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON:

Present Post Cure Oven is bottleneck for two probe operation

AUTHORITY: J. D. MacDonald's letter of 6/2/65

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

(1) Para. D - Post Cure

(2) Reduce Post Cure to 20 minutes in oven at 200°F for Lined Pipe <u>with</u> nose pieces

Lined Pipe <u>without</u> nose pieces may be cured for 20 minutes at 228°F.

A minimum Barcol reading of 40 must be maintained.

(3) To be cancelled 9/15/65

PLEASE RETURN TO
J-M RESEARCH
LIBRARY

SIGNED: C J Stelchek
QUALITY CONTROL SUPERVISOR

SIGNED:
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

DIR. Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED 6/4/65

Form 333-3Pld. IN U.S.A.

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lining - Pipe Coupling & Fittings	PLANT or DIV.	Scottdale - 2
		SPEC NO.	425-3
		DEV. NO.	5/65

DATE OF DEVIATION: 4/26/65	PAGES NO: 12		
TIME OF DEVIATION: 8:00 A.M.	DATE OF ISSUE 4/6/64		

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED: 6/4/65 8:00 A.M.

COMMENTS: (GIVE BRIEF STATEMENT AS TO RESULTS OF DEVIATION — IF A SEPARATE REPORT IS TO BE ISSUED; STATE BY WHOM & DATE.)

Deviation altered per J. D. MacDonald's letter of 6/2/65

PLEASE RETURN TO
J-M RESEARCH
LIBRARY (MM)

MTC 002345

SIGNED: _____ QUALITY CONTROL SUPERVISOR

SIGNED: _____ PRODUCTION SUPERINTENDENT

DIR. Q.C.	MGR. Q.C. (2)	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES.			DATE ISSUED 6/4/65

Form 333-4 Ptd. in U.S.A.

NOTICE OF DEVIATION

425

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Epoxy Lining - Pipe Couplings & Fittings	PLANT & DIV.	Denison - P
		SPEC NO.	425 - 8
		DEV. NO.	5-65

DATE OF DEVIATION: 4-26-65		PAGES NO:	12		
TIME OF DEVIATION: 8:00 A.M.		DATE OF ISSUE	4-8-64		

TYPE OF DEVIATION: ☐ EMERGENCY ☒ AUTHORIZED CHANGE ☐ PLANT SIZE TRIAL

REASON:

Present Post Cure oven is bottleneck for two probe operation

AUTHORITY: F. Hardenstein's wire of 4/13/65.

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

(1) - Para. D - Post Cure

(2) - Reduce Post Cure to 20 minutes in oven at 200°F. A minimum Barcol reading of 40 must still be maintained.

(3) - Deviation continued until Post Cure oven enlarged.

MTC 002346

PLEASE RETURN TO J-M RESEARCH LIBRARY (MM)

SIGNED: C. G. Stelchek
QUALITY CONTROL SUPERVISOR

SIGNED: G. E. DeLong
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

DIR. Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED 4/26/65

Form 333-3Pld. IN U.S.A.

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: Spong Lining Pipe, Cplg. & Fittings	PLANT & DIV.	Corriaca Pipe
		SPEC NO.	[illegible]
		DEV. NO.	1-64

DATE OF DEVIATION:	1-27-64	PAGES NO:	4		
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	12-3-63		

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED: 5-18-65 8:00 A.M.

COMMENTS: (GIVE BRIEF STATEMENT AS TO RESULTS OF DEVIATION — IF A SEPARATE REPORT IS TO BE ISSUED; STATE BY WHOM & DATE.)

This Local Deviation is replaced with Deviation DEQ 20, dated 5/13/65

PLEASE RETURN TO
J-M RESEARCH
LIBRARY (MM)

MTC 002347

SIGNED: C. G. Stelchek
QUALITY CONTROL SUPERVISOR

SIGNED: G. DeLong
PRODUCTION SUPERINTENDENT

DIR. Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED May 18, 1965

Form 333-4 Ptd. in U.S.A.

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: EPOXY LINING PIPE, COUPLINGS, FITTINGS	PLANT & DIV.	Denison Pipe
		SPEC NO.	425-8
		DEV. NO.	1-64

DATE OF DEVIATION: 1-27-64		PAGES NO:	4		
TIME OF DEVIATION: 8:00 A. M.		DATE OF ISSUE	12-3-63		

TYPE OF DEVIATION: [X] EMERGENCY [ ] AUTHORIZED CHANGE [ ] PLANT SIZE TRIAL

REASON:

Production Department not set up to check each batch of resin for solids prior to use.

AUTHORITY: J. E. Hesse

STATE: 1. THAT PORTION OF SPECIFICATION FROM WHICH YOU PROPOSE TO DEVIATE.
2. WHAT YOU PROPOSE TO DO INSTEAD.
3. DATE THIS NOTICE OF DEVIATION WILL BE CANCELLED.

1. The time when solids are determined

2. Samples from each batch will be accumulated for 24 hour period and checked in laboratory on the following day.

3. April 27, 1964

MTC 002348

SIGNED: C. G. Stelchek
QUALITY CONTROL SUPERVISOR

SIGNED: G. DeLong
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

DIR. Q.C. 1	MGR. Q.C. 2	SUPR. Q.C.	PROD. SUPT.	PLNT. ENG.	RES. LAB. 2				DATE ISSUED 1-27-64

Form 333-3Pld. IN U.S.A.

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