COPY FORM	INITIALS	DATE
	JDY	1/18/00

BOX NUMBER	SEGMENT NO.	REQUESTING PARTY
198028		Julie Y Sld

NOTES

PLAINTIFF'S EXHIBIT
JM 806

MTC 012696

misc TSRG 4

DENP1
DEN 15
#3



MTC 012697

T.C.

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "TRANSITE" Pipe Fiber Blends	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-1
		DEV. NO.	8-67

DATE OF DEVIATION:	October 25, 1967	PAGES NO:	2		
TIME OF DEVIATION:	8:00 AM	DATE OF ISSUE	4-13-67		

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

REASON:

To improve recovery by using Jeffrey 4 in blend

AUTHORITY: D. Nowlin's wires of 9-22-67 and 9-26-67

TRADE SECRET J-M 83

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 blend is M-719. Because of low point value and poor quality advocate fiber the following deviation blends have been approved.

2. Use deviation blends:

	M-734 %	M-735 %	M-736* %
Blue	10	10	20
Jeffrey	10	20	20
Advocate A25	80	70	60
	100%	100%	100%

3. Until further notice.

*This blend to be evaluated on a critical flex and hydro pipe e.g. 6" CL150-10'

PRIVILEGED J-M 83

SIGNED: J. W. Bird
QUALITY CONTROL SUPERVISOR

SIGNED: J. M. Stelalek
PRODUCTION SUPERINTENDENT:

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

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 10-25-67

MTC 012698

NOTICE OF RETURN

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "TRANSITE" Pipe Fiber Blends	PLANT & DIV.	Denison - Pipe
		SPEC NO.	- 425-1
		DEV. NO.	6 and 7-67

DATE OF DEVIATION: October 17, 1967		PAGES NO:	2		
TIME OF DEVIATION: 8:00 AM		DATE OF ISSUE	4-13-67		

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED:

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

This "Notice of Return" is issued to cancel Deviations 6-67 and 7-67 dated 10-17-67. A new deviation 8-67 dated 10-25-67 has been issued covering all three deviation blends M734, M735, and M736.

TRADE SECRET
J-M 83

PRIVILEGED
J-M 83

MTC 012699

SIGNED: _____ QUALITY CONTROL SUPERVISOR

SIGNED: _____ PRODUCTION SUPERINTENDENT

DIR. Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED 10-25-67

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

GENERIC TRADE SECRET

PRIVILEGE BOX NO. DENP 1

PRODUCTION BOX NO. DEN 15

FILE NO. 3

FILE NAMES. —

C.B. Allen WHG 3-27

NOTICE OF DEVIATION R3

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "TRANSITE" PIPE PIPE MACHINE FURNISHES	PLANT & DIV.	Denison - Pipe
		SPEC NO.	TR-425-1 TR-425-2
		DEV. NO.	31-78 (11)

DATE OF DEVIATION: 3-21-81	PAGES NO:	Page 6 TR-425-1	Page 15 TR-425-2	
TIME OF DEVIATION: 8:00 a.m.	DATE OF ISSUE	1-19-81	2-9-78	

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

REASON:

To reduce fiber in furnish for T/T Casing Pipe and still meet requirements.

AUTHORITY: A. C. Daley's phone conversation of 9-20-78

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. The fiber percentages of all sizes of casing pipe are the same as that of 10" - 36" sewer pipe.

2. Run below the minimum 90% fiber level as long as pipe passes the minimum crush.

3. Until 6-21-81 or until Specs. are changed.

TRADE SECRET
J-M 83

PRIVILEGED
J-M 83

SIGNED: [illegible] McCarry
QUALITY CONTROL SUPERVISOR

SIGNED: L. A. Bergman
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR					RES.				DATE

Form QC 48 8/7

MTC 012701

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "TRANSITE" PIPE	PLANT & DIV.	Denison - Pipe
		SPEC NO.	TR-425-1
		DEV. NO.	1-81

DATE OF DEVIATION: 1-2-81	PAGES NO:	2	3	4
TIME OF DEVIATION: 8:00 a.m.	DATE OF ISSUE	3-23-78	10-1-79	11-11-77

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

REASON:

To use available fiber

AUTHORITY: R. D. Brunson's letter of 12-8-80.

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. Approved blends for "Transite" pipe.

2. Use the following blend for Water, "Transite", couplings, etc.

Blend M-1602

Fiber	Percent	Bags	Lbs.
Blue	25%	3	330#
Jeffrey 4T	75%	9	990#
	100%		1320#

3. Until 4/2/81 or until Specs. are changed.

TRADE SECRET J-M 83

PRIVILEGED J-M 83

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 ISSUED

Form QC 48 8/7

MTC 012702

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Blend	PLANT & DIV.	DENISON – PIPE
		SPEC NO.	TR-425-1
		DEV. NO.	13-80 (4)

DATE OF DEVIATION:	1/8/81	PAGES NO:	5		
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	11/11/77		

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

REASON:

To use available fiber. (Changed from 100# bag to 110# bag.)

AUTHORITY: W. R. Johnson & C. B. Allen

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. Approved blends for "Transite" pipe.

2. Use the following blend for 10' non-pressure.

Blend H-37

Fiber	Bags	Lbs.
Jeff 4-T	5	550#
Scrap	-	Per Local Practice

3. Until 4/8/81 or until specs are changed.

TRANSCRIBED J-M 83

PRIVILEGED J-M 83

SIGNED: A. M. Curry
QUALITY CONTROL SUPERVISOR

SIGNED: L. A. Ber[illegible]
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. QC	SUPR. QC	PROD. PLNT	PLNT FIN	RES. LAB				DATE ISSUED

Form QC 418/1

MTC 012703

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "TRANSITE" PIPE	PLANT & DIV.	Denison - Pipe
		SPEC NO.	TR-425-1
		DEV. NO.	2-81

DATE OF DEVIATION: 1-2-81	PAGES NO:	2	3	4
TIME OF DEVIATION: 8:00 a.m.	DATE OF ISSUE	3-23-78	10-1-79	11-11-77

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

REASON:

To use available fiber

AUTHORITY: R. D. Brunson's letter of 12-8-80.

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. Approved blends for "Transite" Pipe.

2. Use the following blend for Type 5 Irrigation, Sewer, Air Duct Well Casing

Blend M-1603

Fiber	Percent	Bags	Lbs.
Blue	16.7%	2	220#
Jeff. 4-T	83.3%	10	1100#
	100.0%		1320#

3. Until 4-2-81 or until Specs. are changed.

TRADE SECRET J-M 83

PRIVILEGED J-M 83

SIGNED: A. M. Curry — QUALITY CONTROL SUPERVISOR

SIGNED: L. A. Bergman — PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

MGR. QOC	MGR. QC	SUPR. QC.	PROD. SUPT.	PLNT. FIN	RES. LAB.				DATE ISSUED

Form QC 48 8/7

MTC 012704

C. B. Allen - WHQ-3-07 2-23-81

NOTICE OF DEVIATION

RB

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "TRANSITE" PIPE	PLANT & DIV.	Denison - Pipe
		SPEC NO.	TR-425-1
		DEV. NO.	1-81

DATE OF DEVIATION: 1-2-81	PAGES NO:	2	3	~~4~~
TIME OF DEVIATION: 8:00 a.m.	DATE OF ISSUE	1-17-81 ~~3-23-78~~	1-17-81 ~~10-1-79~~	~~11-11-77~~

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

REASON:

To use available fiber

AUTHORITY: R. D. Brunson's letter of 12-8-80.

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. Approved blends for "Transite" pipe.

2. Use the following blend for Water, "Transite", couplings, etc.

Blend M-1602

Fiber	Percent	Bags	Lbs.	PV	BPV
Blue	25%	25% 3	330#	80	20.0
Jeffrey 4T	75%	25% 9	990#	74	18.5
		50%		71	~~35.5~~
	100%		1320#		~~74.0~~

3. Until 4/2/81 or until Specs. are changed.

Deviation Cancelled 2/23/81
@ [illegible] A. M. Curry/B. [illegible]
Due to blend change

TRADE SECRET J-M 83

PRIVILEGED J-M 83

SIGNED: A. M. Curry / A. [illegible] — A. 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	MGR	SUPR	PROD	PLNT	RES.				DATE

Form QC 48

MTC 012705

*<DON DON 2007>
//20124DG// 3/7
L. BERGMAN A. CURRY

THIS WIRE AUTHORITY TO RUN DEVIATION BLENDS M1603 - 3 BLUE 8 JEFF,
M1604 - 2 BLUE, 9 JEFF.

R.D. BRUNSON 307

TRADE SECRET PRIVILEGED
J-M 83
J-M 83

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "TRANSITE" PIPE	PLANT & DIV.	Denison - Pipe
		SPEC NO.	TR425-1
		DEV. NO.	4-81

DATE OF DEVIATION:	3-9-81	PAGES NO:	2		
TIME OF DEVIATION:	8:00 a.m.	DATE OF ISSUE	1-29-81		

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

REASON:

To use available fiber.

AUTHORITY: R. Brunson

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. Approved blends for "Transite" pipe.

2. Use the following blend for 10' and 13' Water Pipe - Transmission and couplings.

Blend M1603

Fiber	Percent	Bags	Lbs.
Blue	27.3%	3	330
Jeff. 4-T	72.7%	8	880
	100.0		1210

3. Until 6-9-81 or until Specs. are changed.

TRADE SECRET
J-M 83

PRIVILEGED
J-M 83

SIGNED: A. M. Curry
QUALITY CONTROL SUPERVISOR

SIGNED: L. A. Bergman
PRODUCTION SUPERINTENDENT

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

Form

MTC 012707

NOTICE OF DEVIATION

Johns Manville MANUFACTURING SPECIFICATION	PRODUCT: "TRANSITE" PIPE	PLANT & DIV.	Denison - Pipe
		SPEC NO.	TR-425-1
		DEV. NO.	5-81

DATE OF DEVIATION: 3-9-81		PAGES NO:	2		
TIME OF DEVIATION: 8:00 a.m.		DATE OF ISSUE	1-29-81		

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

REASON:

To use available fiber.

AUTHORITY: R. Brunson

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. Approved blends for "Transite" pipe.
2. Use the following blend for Non-Pressure products.

Blend M1604

Fiber	Percent	Bags	Lbs.
Blue	18.2	2	220
Jeff 4-T	81.8	9	990
	100.0		1210

3. Until 6-9-81 or until Specs. are changed.

PRIVILEGED
J-M 86

TRADE SECRET
J-M 83

SIGNED: A. H. Curry
QUALITY CONTROL SUPERVISOR

SIGNED: L. A. Bergman
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

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

Form QC 48 8/77

MTC 012708

C. Ballen WHQ 3-07

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "TRANSITE" PIPE	PLANT & DIV.	Denison - Pipe
		SPEC NO.	TR425-1
		DEV. NO.	10-81

DATE OF DEVIATION:	5/11/81	PAGES NO:	2		
TIME OF DEVIATION:	8:00 a.m.	DATE OF ISSUE	3/16/81		

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

REASON:

Increase strength

AUTHORITY: C. B. Allen

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. Approved blends for "Transite" pipe.

2. Use the following blend for 10' pressure products.

Blend M1605

Fiber	Percent	Bags	Lbs.
Blue	25.4%	3	330
Cassiar	15.4%	2	200
Jeff. 4T	42.3%	5	550
SP5R 28	16.9%	2	220
	100.0%		1300

3. Until 8/11/81, or until specs are changed.

TRADE SECRET PRIVILEGED
J-M 83 J-M 83

SIGNED: Alan M. Curry
A. 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.U.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN	RES. LAB.				DATE ISSUED

Form QC 48 8/71

MTC 012709

NOTICE OF DEVIATION C. Ballew WHQ 3-07

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "TRANSITE" PIPE	PLANT & DIV.	Denison - Pipe
		SPEC NO.	TR425-1
		DEV. NO.	4-81

DATE OF DEVIATION:	3-9-81	PAGES NO:	2		
TIME OF DEVIATION:	8:00 a.m.	DATE OF ISSUE	1-29-81		

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

REASON:

To use available fiber.

AUTHORITY: R. Brunson

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. Approved blends for "Transite" pipe.

2. Use the following blend for 10' and 13' Water Pipe - Transmission and couplings.

Blend M1603

Fiber	Percent	Bags	Lbs.
Blue	27.3%	3	330
Jeff. 4-T	72.7%	8	880
	100.0		1210

3. Until 6-9-81 or until Specs. are changed.

Deviation Cancelled 5/29/81
@ 8:00 A.M. A.M. Curry/B. Lee

Due to Blend Change.

TRADE SECRET PRIVILEGED

SIGNED: A. M. Curry
QUALITY CONTROL SUPERVISOR

SIGNED: L. M. Bergman
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

NOTICE OF DEVIATION

WHO CB Allen 3-07

Johns Manville MANUFACTURING SPECIFICATION	PRODUCT: "TRANSITE" PIPE	PLANT & DIV.	Denison - Pipe
		SPEC NO.	TR-425-1
		DEV. NO.	5-81

DATE OF DEVIATION:	3-9-81	PAGES NO:	2		
TIME OF DEVIATION:	8:00 a.m.	DATE OF ISSUE	1-29-81		

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

REASON:

To use available fiber.

AUTHORITY: R. Brunson

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.

TRADE SECRET
J-M 83

1. Approved blends for "Transite" pipe.
2. Use the following blend for Non-Pressure products.

Blend M1604

Fiber	Percent	Bags	Lbs.
Blue	18.2	2	220
Jeff 4-T	81.8	9	990
	100.0		1210

3. Until 6-9-81 or until Specs. are changed.

Deviation Cancelled 5/29/81
@ 8:00 A.M. A. M. Curry/B Lea

Due to Blend Change.

PRIVILEGED
J-M 83

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. SUPT	PLNT.	DES. LAB			DATE

Form QC 458/2

MTC 012711

NOTICE OF DEVIATION C.B. Allen 5-8-81

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "TRANSITE" PIPE	PLANT & DIV.	Denison - Pipe
		SPEC NO.	TR425-1
		DEV. NO.	10-81

DATE OF DEVIATION:	5/11/81	PAGES NO:	2		
TIME OF DEVIATION:	8:00 a.m.	DATE OF ISSUE	3/16/81		

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

REASON:

Increase strength

AUTHORITY: C. B. Allen

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.

TRADE SECRET J-M 83

1. Approved blends for "Transite" pipe.

2. Use the following blend for 10' pressure products.

Blend M1505

Fiber	Percent	Bags	Lbs.
Blue	25.4%	3	330
Cassiar	15.4%	2	200
Jeff. 4T	42.3%	5	550
SP5R 28	16.9%	2	220
	100.0%		1300

3. Until 8/11/81, or until specs. are changed.

Deviation Cancelled 5/29/81
@ 8:00 A.M. A.M. Curry/B. Lee
Due to Blend Change.

PRIVILEGED J-M 83

SIGNED: Alan M. Curry A. 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.	SUPR	PRCD.	PLNT.	RES.	

Form QC 7

MTC 012712

NOTICE OF DEVIATION

C. B. Allen
WHQ 3-07

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-1
		DEV. NO.	15-81 (2)

DATE OF DEVIATION:	9/15/81	PAGES NO:	2		
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	8/20/81		

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

REASON: To use available fiber

AUTHORITY: C. B. Allen

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.) Approved blends for "Transite" Pipe.

2.) Use the following blend for 10' and 13" Water & Transmission and 13" Non-Pressure.

TRADE SECRET
J-M 83

Blend M1606

	Fiber	Percent	PV	Bags		BPV
K-35			80	2	220 ÷ 1210 = 18.18 x 80 =	14.54
MS-6	Blue	27.3%	75	1	110 ÷ 1210 = 9.09 x 75 =	6.82
Plain	Advocate	54.5%	74	6	660 ÷ 1210 = 54.55 x 74 =	40.37
Brown	Jeff	18.2%	80	2	220 ÷ 1210 = 18.18 x 80 =	14.54
		100.0%			1210	76.3

3.) Until 12/15/81 or until specs. are changed.

"Deviation Cancelled 11/12/81"
@ 8:00 A.M.
A. M. Curry / B. Lea

140# Scrap
Due to fiber change.

PRIVILEGED
J-M 83

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

Form QC 48 F

MTC 012713

C.B. Allen 3-07

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-1
		DEV. NO.	15-81 (2)

DATE OF DEVIATION:	9/15/81	PAGES NO:	2		
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	8/20/81		

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

REASON: To use available fiber

AUTHORITY: C. B. Allen

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.) Approved blends for "Transite" Pipe.

2.) Use the following blend for 10' and 13' Water & Transmission and 13" Non-Pressure.

Blend M1606

Fiber	Percent	Bags	Lbs
Blue	27.3%	3	330
Advocate	54.5%	6	660
Jeff	18.2%	2	220
	100.0%		1210

3.) Until 12/15/81 or until specs. are changed.

PRIVILEGED J-M 83

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 R.

MTC 012714

NOTICE OF DEVIATION C. B. Allen WHQ 3-07

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe	PLANT & DIV.	DENISON-PIPE
		SPEC NO.	TR 425-1
		DEV. NO.	15-81

DATE OF DEVIATION:	6/15/81	PAGES NO:	2		
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	3/16/81		

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

REASON:

To use available fiber

AUTHORITY: C. B. Allen

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.) Approved blends for "Transite" Pipe.

2.) Use the following blend for 10' and 13' Water & Transmission and 13' Non-Pressure

TRADE SECRET J-M 83

Blend M1606

Fiber	Percent	Bags	Lbs
Blue	27.3%	3	330
Advocate	54.5%	6	660
Jeff.	18.2%	2	220
	100.0%		1210

3.) Until 9/15/81 or until specs. are changed.

PRIVILEGED J-M 83

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

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

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

Form QC 48 8/77

MTC 012715

C.B. Allen
WHQ 3-07

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe	PLANT & DIV.	DENISON-PIPE
		SPEC NO.	TR 425-1
		DEV. NO.	11-81

DATE OF DEVIATION:	5/29/81	PAGES NO:	2		
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	3/16/81		

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

REASON: To use available fiber.

AUTHORITY: C. B. Allen

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.

TRADE SECRET J-M 83

1.) Approved blends for "Transite" pipe.

2.) Use the following blend for 13' Water & Transmission Pipe

Blend M1606

Fiber	Percent	Bags	Lbs
Blue	27.3%	3	330
Advocate	54.5%	6	660
Jeff.	18.2%	2	220
	100.0%		1210

3.) Until 8-29-81 or until specs. are changed.

"Deviation Cancelled 6/15/81"
@ 8:00 A.M. A.M. Curry/B. Lea

PRIVILEGED J-M 83

To be reissued, to include 10' Machine.

A. M. Curry
SIGNED: A. 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.	MGR.	SUPR.	PROD.	PLNT.	RES.				

Form QC 48 8/

MTC 012716

C. B. Allen WHA 301

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe	PLANT & DIV.	DENISON-PIPE
		SPEC NO.	TR 425-1
		DEV. NO.	11-81

DATE OF DEVIATION: 5/29/81		PAGES NO:	2		
TIME OF DEVIATION: 8:00 A.M.		DATE OF ISSUE	3/16/81		

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

REASON: To use available fiber.

AUTHORITY: C. B. Allen

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.) Approved blends for "Transite" pipe.

2.) Use the following blend for 13' Water & Transmission Pipe

Blend M1606

Fiber	Percent	Bags	Lbs
Blue	27.3%	3	330
Advocate	54.5%	6	660
Jeff.	18.2%	2	220
	100.0%		1210

3.) Until 8-29-81 or until specs. are changed.

PRIVILEGED J-M 83

PRIVILEGED J-M 83

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 4 8/77

C. B. Allen, 11/12/81 3-07

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-1
		DEV. NO.	12-81 (2)

DATE OF DEVIATION:	8/29/81	PAGES NO:	2		
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	8/20/81		

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

REASON: To use available fiber.

AUTHORITY: C. B. Allen

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.) Approved blends for "Transite" pipe.

2.) Use the following blend for 13' Non-pressure products.

Blend M1607

Fiber	Percent	Bags	Lbs.
Blue	18.2%	2	220
Advocate	81.8%	9	990
	100.0%		1210

3.) Until 11/23/81 or until specs are changed.

"Deviation Cancelled 11/12/81"
@ 8:00 A.M.
A. M. Curry / B. Lea

Due to fiber change.

PRIVILEGED J-M 83

SIGNED: Alan M Curry
A. 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.				DATE

Form QC 48 P

MTC 012718

C.B. Allen, WHQ 3-07

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-1
		DEV. NO.	12-81 (2)

DATE OF DEVIATION:	8/29/81	PAGES NO:	2		
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	8/20/81		

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

REASON: To use available fiber.

AUTHORITY: C. B. Allen

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.) Approved blends for "Transite" pipe.

2.) Use the following blend for 13' Non-pressure products.

Blend M1607

Fiber	Percent	Bags	Lbs.
Blue	18.2%	2	220
Advocate	81.8%	9	990
	100.0%		1210

3.) Until 11/29/81 or until specs are changed.

TRANSCRIPT J-M 83

PRIVILEGED J-M 83

SIGNED: Alan M Curry
A. 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.O.C.	MGR. Q.C.	SUPP. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE

Form QC 48 8/77

MTC 012719

C B Allen WHQ 2-07

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe	PLANT & DIV.	DENISON-PIPE
		SPEC NO.	TR-425-1
		DEV. NO.	13-81 (2)

DATE OF DEVIATION:	8-29-81	PAGES NO:	2		
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	8/20/81		

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

REASON: To use available fiber.

AUTHORITY: C. B. Allen

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.) Approved blends for "Transite" pipe.

2.) Use the following blend for 10' Pressure products.

Blend M1608

Fiber	Percent	Bags	Lbs.
Blue	25.4%	3	330
Cassiar	15.4%	2	200
Advocate	42.3%	5	550
SP5R 28	16.9%	2	220
	100.0%		1300

3.) Until 11/29/81 or until specs are changed.

"Deviation Cancelled 11/12/81"
@ 8:00 AM A M Curry / B. Lea

Due to fiber change.

TRADE SECRET J-M 83

PRIVILEGED J-M 83

SIGNED: A. M. Curry
QUALITY CONTROL SUPERVISOR

SIGNED: I. A. Bergman
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

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

Form QC 46 8/7

MTC 012720

C.B. Allen, WHQ 3-07

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe	PLANT & DIV.	DENISON-PIPE
		SPEC NO.	TR-425-1
		DEV. NO.	13-81 (2)

DATE OF DEVIATION:	8-29-81	PAGES NO:	2		
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	8/20/81		

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

REASON: To use available fiber.

AUTHORITY: C. B. Allen

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.) Approved blends for "Transite" pipe.

2.) Use the following blend for 10' Pressure products.

Blend M1608

Fiber	Percent	Bags	Lbs.
Blue	25.4%	3	330
Cassiar	15.4%	2	200
Advocate	42.3%	5	550
SP5R 28	16.9%	2	220
	100.0%		1300

3.) Until 11/29/81 or until specs are changed.

TRADE SECRET
J-M 83

PRIVILEGED
J-M 83

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

SIGNED: [signature]
A. [illegible]gman
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

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

Form QC 48 8/77

MTC 012721

NOTICE OF DEVIATION

C.B. Allen WHD 3-07

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe Pipe Machine Furnishes	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-2
		DEV. NO.	10-70 (16)

DATE OF DEVIATION:	6/13/81	PAGES NO:	16		
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	2/3/78		

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

REASON: To help our "balance" between the two pipe machines and give us a little more flexibility in scheduling 4" and 6" coupling stock.

AUTHORITY: A. C. Daley's memo of 6/19/78.

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.) Specifications restrict forming coupling stock for sizes 4" and above to the 13' Pipe Machine.

2.) Form coupling stock for 4" and 6" couplings on the 10' machine. This would be done only when absolutely necessary, due to scheduling problems.

3.) To be reissued 9/13/81 or cancelled when our flexibility is such that this change is no longer necessary.

TRADE SECRET
J-M 83

"Deviation Cancelled 8/18/81"
@ 8:00 A.M. Curry/B. Lea

Due to Spec Change.

PRIVILEGED
J-M 83

SIGNED: Alan M. Curry
A. 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. GQC	MGR. QC	SUPR. QC	PROD. SUPT	PLNT.	RES.				DATE ISSUED

Form GC 46 8/77

MTC 012722

C B Allen WH23

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe Pipe Machine Furnishes	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-2
		DEV. NO.	10-70 (16)

DATE OF DEVIATION:	6/13/81	PAGES NO:	16		
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	2/9/78		

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

REASON: To help our "balance" between the two pipe machines and give us a little more flexibility in scheduling 4" and 6" coupling stock.

AUTHORITY: A. C. Daley's memo of 6/19/78.

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.) Specifications restrict forming coupling stock for sizes 4" and above to the 13' Pipe Machine.

2.) Form coupling stock for 4" and 6" couplings on the 10' machine. This would be done only when absolutely necessary, due to scheduling problems.

3.) To be reissued 9/13/81 or cancelled when our flexibility is such that this change is no longer necessary.

TRADE SECRET
J-M 83
PRIVILEGED
J-M 83

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. ENG.	RES. LAB.				DATE ISSUED

Form QC 48 B/

NOTICE OF DEVIATION C. B. Allen, WHQ 3-07

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Steam Cure	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-5
		DEV. NO.	8-79 (9)

DATE OF DEVIATION:	6/15/81	PAGES NO:		4	
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE		6/01/81	

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

REASON: Unable to control blow-down rate at Steam tank.

AUTHORITY: J. A. Lawrence

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.) All steam tanks are to be operated with a blow-down rate not exceding a drop of 3PSI/minute for the first 30 minutes, then exhaust may be opened.

2.) Unable to meet 3P.S.I. blow-down rate for first 30 minutes due to present equipment.

3.) Until 9/15/81 or until equipment or specs. are changed.

"Deviation Cancelled 8/18/81"
@ 8:00 A.M.
A.M. Curry / B. L[illegible]

Due to Spec. Change.

TRADE SECRET J-M 83

PRIVILEGED J-M 83

SIGNED: Alan M Curry
A. 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	MGR	[illegible]	PROD	PLNT	[illegible]				DATE

Form QC 48 b

MTC 012724

C. Ballew WKR 3-07

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Steam Cure	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-5
		DEV. NO.	8-79 (9)

DATE OF DEVIATION:	6/15/81	PAGES NO:		4	
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE		6/01/81	

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

REASON: Unable to control blow-down rate at Steam tank.

AUTHORITY: J. A. Lawrence

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.) All steam tanks are to be operated with a blow-down rate not exceeding a drop of 3PSI/minute for the first 30 minutes, then exhaust may be opened.

2.) Unable to meet 3P.S.I. blow-down rate for first 30 minutes due to present equipment.

3.) Until 9/5/81 or until equipment or specs. are changed.

TRADE SECRET J-M 83

PRIVILEGED J-M 83

SIGNED: Alan M Curry 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 8/71

MTC 012725

RB ~~[illegible]~~

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Air Cure	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-4 TR-425-5
		DEV. NO.	19-80 (5)

DATE OF DEVIATION: 9/29/81	PAGES NO:	4		4
TIME OF DEVIATION: 8:00 a.m.	DATE OF ISSUE	6/01/81		7/14/81

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

REASON: Cost Reduction

AUTHORITY: Tom Sadler's letter of May 16, 1980

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.) Air and Steam Cure at Denison Plant

2.) Short Cure

a. Reduce Air Cure to 4 hrs.

b. Reduce Steam Cure at full pressure 110 P.S.I.

4.5 hours at full pressure for products 3/4" wall & below
7.5 hours at full pressure for products 3/4" to 1-1/2" wall.
10.5 hours at full pressure for products above 1-1/2" wall

Anything exceeding 16 hours Air Cure goes to next step of increasing Steam Cure

3.) Until 12/29/81 or until specs. are changed.

(Revised Copy)

TRADE SECRET J-M 83

PRIVILEGED J-M 83

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 48 8/

MTC 012726

C. B Allen, WHQ 3-07

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Air Cure	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-4 TR-425-5
		DEV. NO.	19-80 (5)

DATE OF DEVIATION:	9/29/81	PAGES NO:	4		4
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	6/01/81		7/14/81

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

REASON: Cost Reduction

AUTHORITY: Tom Sadler's letter of May 16, 1980

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.) Air and Steam Cure at Denison Plant.

2.) Short Cure

a. Reduce Air Cure to 4 hrs.
b. Reduce Steam Cure at full pressure 110 P.S.I.
4.5 hours at full pressure for products 3/4" wall & below
7.5 hours at full pressure for products 3/4" to 1-1/2" wall.
10.5 hours at full pressure for products above 1-1/2" wall.

Anything previously requiring above 16 hours Air cure goes to next step of increased Steam Cure.

3.) Until 12/29/81 or until specs are changed.

TRADE SECRET J-M 83

PRIVILEGED J-M 83

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 ISSUED
QCC	QC	QC	SUPT.	FIN.	LAB.				

Form QC 488/7

MTC 012727

C. B Allen, WHQ 3-07

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe Pipe Machine Furnishes	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-1 TR-425-2
		DEV. NO.	31-78 (13)

DATE OF DEVIATION: 9/21/81	PAGES NO:	Page 4 TR-425-1	Page 15 TR-425-2	
TIME OF DEVIATION: 8:00 A.M.	DATE OF ISSUE	3/16/81	2/09/81	

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

REASON: To reduce fiber in furnish for T. T. Casing Pipe and still meet requirements.

AUTHORITY: A. C. Daley's phone conversation of 9/20/78.

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.) The fiber percentage of all sizes of casing pipe are the same as that of .10" - 36" Sewer Pipe.

2.) Run below the minimum 90% fiber level as long as pipe passes the minimum crush.

3.) Until 12/21/81 or until specs are changed.

TRADE SECRET J-M 83.

PRIVILEGED J-M 83

Alan M Curry

SIGNED: A. 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	MGR	SUPR	PROD	PLNT	RES			DATE

Form QC 488

MTC 012728

C. B Allen, WRD 5-07

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-1
		DEV. NO.	14-81 (2)

DATE OF DEVIATION: 8/29/81		PAGES NO:	2		
TIME OF DEVIATION: 8:00 A.M.		DATE OF ISSUE	8/20/81		

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

REASON: To use available fiber.

AUTHORITY: C. B. Allen

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.) Approved blends for "Transite" pipe.

2.) Use the following blend for 10' non-pressure.

Blend H19

Fiber	Bags	Lbs.
Advocate	5	550
Scrap		Per local practice.

3.) Until 11/29/81 or until specs are changed.

PRIVILEGED J-M 83

SECRET J-M 83

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.O.F.	MGR. Q.C.	SUPR Q.C.	PROD. SUP'T.	PLNT. ENG.	RES. LAB.				DATE ISSUED

Form QC 48 8/77

C B Allen, 3-01

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-1
		DEV. NO.	18-81 (2)

DATE OF DEVIATION:	10/7/81	PAGES NO:	2		
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	8/20/81		

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

REASON: Due to Strength Problems.*

AUTHORITY: C. B. Allen

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.) Approved blends for "Transite" Pipe.

2.) Use the following blend for 10' Pressure Products.

Blend M1609

Fiber	Percent	Bags	Lbs.
Blue	25.4%	3	330
Cassiar	15.4%	2	200
Advocate	59.2%	7	770
	100.0%		1300

3.) Until 1/7/82 or until specs are changed.

TRADE SECRET J-M 83

PRIVILEGED J-M 83

Alan M Curry

SIGNED: A. M. Curry
QUALITY CONTROL SUPERVISOR

SIGNED: L. A. Bergman
PRODUCTION SUPERINTENDENT:

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

VICE	MGR	SUPR	PROD	PLNT	RES.			DATE

Form QC 4

MTC 012730

C. B Allen, WNQ 2-07

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite Pipe"	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-1
		DEV. NO.	21-81

DATE OF DEVIATION: 11/11/81		PAGES NO:	2		
TIME OF DEVIATION: 8:00 A.M.		DATE OF ISSUE	8/20/81		

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

REASON: To use available fiber

AUTHORITY: C. B. Allen

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.) Approved blends for "Transite" pipe.

2.) Use the following blend for 13' Water, Trans. and Non-Pressure.

Blend M-1610

Fiber	Percent	Bags	Lbs.
WHL6	18.2%	2	220
K35	9.1%	1	110
Advocate	72.7%	8	880
	100.0%		1210#

3.) Until 2/11/82 or until specs are changed.

TRADE SECRET J-M 83

PRIVILEGED J-M 83

SIGNED: Alan M Curry
A. 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 QC 48 8/77

MTC 012731

C. B. Allen 11/12-87

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe	PLANT & DIV.	Denison-Pipe
		SPEC NO.	TR-425-1
		DEV. NO.	22-81

DATE OF DEVIATION: 11/11/81	PAGES NO:	2		
TIME OF DEVIATION: 8:00 A.M.	DATE OF ISSUE	8/20/81		1

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

REASON: To use available fiber

AUTHORITY: C. B. Allen

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.) Approved blends for "Transite" Pipe.

2.) Use the following blend for 13' Coupling Stock.

Blend M-1611

Fiber	Percent	Bags	Lbs.
K35	18.2%	2	220
M56	9.1%	1	110
Advocate	72.7%	8	880
	100.0%		1210

3.) Until 2/11/82 or until specs are changed.

TRADE SECRET PRIVILEGED
J-M 83 J-M 83

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 ISSUED

Form QC 40 N

MTC 012732

Blend# M 1602
M
M
M

PLANTS	DON	DON	DON	DON.
APPROVALS	RDB.	RDB	RDB.	CBA

BLEND NO. M - 1602 M - 1603

FIBER	BAGS	LB	%	BAGS	LB	%
Blue	3	330	25%	3	330	27.3
Jeff	9	990	75%	8	880	72.7

BLEND NO. M - 1604 M - 1605

FIBER	BAGS	LB	%	BAGS	LB	%
Blue	2	220	18.2	3	330	25.4
Jeff	9	990	81.8	7	770	59.2
Cre				2	200	15.4

TRADE SECRET
J-M 83
PRIVILEGED
J-M 83

Blend#
M 19
M 1606
M 1607
M 1608

PLANTS	DON	DON	DON	DON
APPROVALS	CLA	CLA	CLA	CLA

BLEND NO. M - H-19 M - 1606

FIBER	BAGS	LB	%	BAGS	LB	%
Blue				3	330	27.3%
Cass AK						
Advocate	5	550	100%	6	660	54.5%
SR-28						
Neff 4T30				2	220	18.2%

BLEND NO. M - 1607 M - 1608

FIBER	BAGS	LB	%	BAGS	LB	%
Blue	2	220	18.2%	3	330	25.4%
Cass AK				2	200	15.4%
Advocate	9	990	81.8%	5	550	42.3%
SR-28				2	220	16.9%

TRADE SECRET
J-M 83
PRIVILEGED
J-M 83

Roger Brown.

FIBER BLENDS PIPE MACHINE DATE 11-11-81

BLEND NUMBER * M1610 13' WATER, TRANS, AND 13' NON-PRESSURE

FIBER	PV	%	BAGS	BPV	LBS.
* WML 6	80	18.2	2	14.5	220
K 35	80	9.1	1	7.3	110
(PLAIN) ADV.	74	72.7	8	53.8	880
TOTALS		100.0		75.6	1210

USE AT 75 BLEND POINT VALUE
ADD 140 LBS. SCRAP * Change when JEFF. BROWN IS GONE.

FIBER BLENDS

FIBER BLENDS PIPE MACHINE DATE 11-11-81

BLEND NUMBER * M1611 13' Cplg. STOCK

FIBER	PV	%	BAGS	BPV	LBS.
K 35	80	18.2	2	14.5	220
MS 6	70	9.1	1	6.4	110
(PLAIN) ADV	74	72.7	8	53.8	880
TOTALS		100.0		74.2	1210

USE AT 74 BLEND POINT VALUE
ADD 50 LBS. SCRAP
* Change when JEFF. Brown IS GONE

FIBER BLENDS

TRADE SECRET
J-M 83

PRIVILEGED
J-M 83

FIBER	PV	%	BAGS	BPV	LBS.
TOTALS					

USE AT _____ BLEND POINT VALUE
ADD _____ LBS. SCRAP

MTC 012735

L. Cox

PROD. 70

M 1609
M 1610
M
M

PLANTS DON DON DON

APPROVALS CBALLEN CBA CBA

BLEND NO. M - 1609 M - 1610

FIBER	BAGS	LB	%	BAGS	LB	%
K35				1	110	9.1
BLUE (M46)	3	330	25.4	2	220	18.2
CASS AK	2	200	15.4			
ADVOCATE	7	770	59.2	8	880	72.7
						75.6

TRADE SECRET
J-M 83

BLEND NO. M - M -

FIBER	BAGS	LB	%	BAGS	LB	%
Blue						
K35	2	220	18.2			
M36	1	110	9.1			
ADVOCATE	8	880	72.7			
			74.7			

PRIVILEGED
J-M 83

MTC 012736

GENERIC TRADE SECRET

PRIVILEGE BOX NO. DENP 1

PRODUCTION BOX NO. DEN 15

FILE NO. 3

FILE NAMES. —

NOTICE OF RETURN

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pressure Blends	PLANT & DIV.	Denison-Pipe
		SPEC NO.	425-1
		DEV. NO.	6-74

DATE OF DEVIATION:	2/19/74	PAGES NO:	2.1 & 2.2	2.4	
TIME OF DEVIATION:	7:00 A.M.	DATE OF ISSUE	1/10/73	1/30/73	

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED: March 15, 1974

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

Have changed to blends utilizing more blue fiber.

TRADE SECRET J-M 83

PRIVILEGED J-M 83

MTC 012738

SIGNED: Alan M. Curry (Alan M. Curry) — QUALITY CONTROL SUPERVISOR

SIGNED: C. G. Stelchek (C. G. Stelchek) — PRODUCTION SUPERINTENDENT

MGR. G.Q.C.	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED	April 19, 1974

Form 3334-A Ptd. in U.S.A.

NOTICE OF RETURN

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" pressure Pipe	PLANT & DIV.	Denison-Pipe
		SPEC NO.	425-1
		DEV. NO.	36-73

DATE OF DEVIATION:	8/27/73	PAGES NO:	2.1 & 2.2	2.4	
TIME OF DEVIATION:	7:00 A.M.	DATE OF ISSUE	1/10/73	1/30/73	

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED: 4/19/74

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

Have changed to blends utilizing more blue fiber.

PRIVILEGED
J-M 83

PRIVILEGED
J-M 83

MTC 012739

SIGNED: Alan 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. LAS.			DATE ISSUED	April 19, 1974

Form 533-4-A Ptd. in U.S.A.

T. C.

JOHNS-MANVILLE MANUFACTURING SPECIFICATION	PRODUCT: TRANSITE Pipe Fiber Blends	PLANT & DIV.	Pipe
		SPEC NO.	425-1
		PAGE NO.	1

1. Point Value - Fiber

The Point Value Test procedure has been adopted by the Pipe Division for comparing the strength giving propoerties of various grades of Asbestos Fiber when used in the manufacture of Asbestos Cement Pipe.

Jeffrey and Reeves is classified to a 3-point spread system. Color coding consists of four vertical stripes on two sides of each unit so that each bag is marked with two bars on side or end.

The following 4 Grade Jeffrey and Reeves R-25 fibers are to be bag color coded and used at the following point values:

	4 Grade Jeffrey			Reeves R-25	
Bag Color	Grade	Use at PV	Bag Color	Grade	Use at PV
Brick	87	89	Brown	78	80
Grey	84	86	Black	75	77
White	81	83	Green	72	74
Brown	78	80			
Black	75	77			
Green	72	74			

Advocate A-25 fiber is supplied in 72 grade only to be used at an assigned point of value of 74. These 72 grade bags of A-25 are not color coded.

The following fibers are to be used at the assigned point values:

Fiber	Assigned Point Value
Blue	
1/8" Pomfret or Koegas, KCB R3 Kurman, W1, Etc.	80
Cassiar	
CP or AR	90
CT	70

J-M 83

PRIVILEGED J-M 83

X- INDICATES CHANGE —REASON: Fiber points of Cassiar fiber

AUTHORITY FOR CHANGE: J. E. Hesse's letter dated 12/16/70

MTC 012740

SUPERSEDES: Same Spec., Same Page dated 2/2/70

MGR. G. Q. C	MGR. Q. C.	SUPR. Q. C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED 6/25/71

NOTICE OF DEVIATION

Jack Carlson

Johns-Manville MANUFACTURING SPECIFICATION —	PRODUCT: "TRANSITE" PIPE Fiber Blend	PLANT & DIV.	Denison-Pipe
		SPEC NO.	425-2
		DEV. NO.	5-67

DATE OF DEVIATION:	7/11/67	PAGES NO:	2.1		
TIME OF DEVIATION:	8:00 A.M.	DATE OF ISSUE	7/11/67		

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

REASON: Factory Trial in an effort to improve recovery.

AUTHORITY: Telephone call from G. C. Eggleston to J. E. Hesse 7/11/67

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.

I. M719 Fiber Blend

II. Present: Blend M719
Blue 10%
Advocate A25 90%

Proposed: Blend M719-A2
Blue 20%
Advocate A25 80%

III. Upon Completion of Evaluation.

TRADE SECRET
J-M 83

PRIVILEGED
J-M 83

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

SIGNED: C. G. Stelchek
PRODUCTION SUPERINTENDENT:-C. G. Stelchek

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 7/11/67

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

NOTICE OF RETURN

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "TRANSITE" PIPE Fiber Blend	PLANT & DIV.	Denison-Pipe
		SPEC NO.	425-2
		DEV. NO.	5-67

DATE OF DEVIATION:	PAGES NO:				
TIME OF DEVIATION:	DATE OF ISSUE				

THIS CANCELS NOTICE OF DEVIATION IDENTIFIED ABOVE

DATE AND TIME DEVIATION WAS CANCELLED:

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

Revert to standard blends - Combination of blend unsuccessful.

TRADE SECRET
J-M 83

PRIVILEGED
J-M 83

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

SIGNED: C G Stelcher — PRODUCTION SUPERINTENDENT C. G. Stelcher

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

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

TC

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe Blends	PLANT & DIV.	Denison-Pipe
		SPEC NO.	425-1
		DEV. NO.	13-74

DATE OF DEVIATION:	4/17/74	PAGES NO:	2.1 & 2.2	2.4	
TIME OF DEVIATION:	7:00 A.M.	DATE OF ISSUE	1/10/73	1/30/73	

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

REASON: To utilize Blue Fiber

TRADE SECRET J-M 83

AUTHORITY: D. Nowlin's wire of 4/15/74

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. Approved blends for pressure pipe and couplings

2. We propose to manufacture pipe and couplings using the following Blend:

M-907

Fiber	PV	%	Bags	BPV	Lbs.
MS Blue (comp bag)	80 (149.38) 135.00	7.8	1	6.23	110
Gov. Blue	80	21.3	3	17.04	300
Jeff-4T	74 149.50	14.2	2	10.50	200
Adv - A25	74 135.71	56.7	8	41.96	800
		100.0		75.73	1410

Run at 75 Blend Point Value

139.91

3. Until further notice

APR 1974 ADV 146.58 / GB 136.89 / JEFF 149.10 / MS 169.18 } 146.17

Alan M Curry

Alan M. Curry

SIGNED: _____
QUALITY CONTROL SUPERVISOR

PRIVILEGED J-M 83

C G Stelchek

C. G. Stelchek

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

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

MTC 012743

T. C.

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe	PLANT & DIV.	Denison Pipe
		SPEC NO.	425-1
		DEV. NO.	4-69

DATE OF DEVIATION: July 18, 1969		PAGES NO:	2.3		
TIME OF DEVIATION: 8:00 A.M.		DATE OF ISSUE	1/7/69		

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

REASON:

Batch size and percentages as specified resulted in overloading of mixer on large batches and measuring 1/4 bags at willow.

AUTHORITY: D. Nowlin's conversation with C. Stelchek.

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.

I. Batch size, 1000 lbs., and individual fiber % in total blend.

II. Batch size, 1400 lbs.

Blue	10.7%
Advocate	57.2%
Reeves	21.4%
Jeffery	10.7%

III. Until Spec is revised giving tolerances on percentages.

TRADE SECRET
JM 83

PRIVILEGED
J-M 83

SIGNED: J. L. Bird
QUALITY CONTROL SUPERVISOR

SIGNED: C S 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.	PLANT FIN.	RES. LAB.				DATE ISSUED

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

T.C.

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe Fiber Blends	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-1
		DEV. NO.	5-69

DATE OF DEVIATION: July 28, 1969	PAGES NO:	2	2.2	2.3
TIME OF DEVIATION: 8:00 A. M.	DATE OF ISSUE	1/7/69	1/7/69	1/7/69

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

REASON:

Shortage of Advocate Fiber.

AUTHORITY: J. E. Hesse's letter of 7/16/69

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 lists approved M blends for Denison on M 774 and M 769. Both contain Advocate Fiber

2. Use deviation blend M 755.

Product Groupings		Deviation Blend M 755	
A, B, & C		Bags	%
	Blue	1	10
	R25	3	30
	4T	6	60
			100%

3. Will return to standard blends when Advocate Fiber is again available.

TRADE SECRET PRIVILEGED
J-M 83
J-M 83

SIGNED: J. H. Bird
QUALITY CONTROL SUPERVISOR

SIGNED: C. J. Stetchek
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

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

MTC 012745

Jmanes

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pipe Fiber Blends	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-1
		DEV. NO.	11-71

DATE OF DEVIATION:	7-9-71	PAGES NO:	2. 1	2.5	
TIME OF DEVIATION:	8:00 a.m.	DATE OF ISSUE	2-17-71	6-14-71	

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

REASON: To compensate for 110 pound bags of blue fiber in M830 and M829 blends.

AUTHORITY: Verbal approval - A. C. Daley 7-9-71.

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. Increase percentage of blue fiber slightly. The larger 110 pound bags will also increase batch weight from 1400 to 1410 pounds.

2. M830 1410 lbs.

Fiber	PV	%	Bags	BPV	LBS.
S Blue	80	7.8	1	6.24	110
Reeves - Green	74	14.2	2	10.51	200
Jeff - Green	74	28.4	4	21.02	400
Advocate	74	49.6	7	36.70	700
				74.47	1410

Use at 74 Point Value

13' Pipe Machine Cplg. Blend
M829 1415 lbs.

Fiber	PV	%	Bags	BPV	LBS.
S Blue	80	11.7	1-1/2	9.36	165
Jeff - Green	74	35.3	5	26.12	500
Advocate	74	53.0	7-1/2	39.22	750
				74.70	1415

Use at 74 Point Value

3. Until specification is revised to compensate for 110 pound bags.

TRADE SECRET J-M 83

CANCELLED 83

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

SIGNED: C. G. Stelchek C. G. Stelchek 6/83
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

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

MTC 012746

Tack e

JOHNS-MANVILLE MANUFACTURING SPECIFICATION	PRODUCT: TRANSITE Pipe Fiber Blends	PLANT & DIV.	Pipe
		SPEC NO.	425-1
		PAGE NO.	1

1. Point Value - Fiber

The Point Value Test procedure has been adopted by the Pipe Division for comparing the strength giving properties of various grades of Asbestos Fiber when used in the manufacture of Asbestos Cement Pipe.

Effective with 4/17/67 shipment from the mine, Jeffrey Fiber is being reclassified to a 3-point spread system. Color coding will consist of four vertual stripes on two sides of each unit so that each bag will carry two bars on a side or end.

Effective with the May, 1967 production at the mine Advocate A-25 was also changed over to the 3-point spread marking system. Bag markings consist of the same color coding and two bar markings as that used on Jeffrey Fiber. (Note: Warehouse stocks of single striped bags classified under the old 4-point classification system and color coding will be shipped until depleted.)

The following 4 Grade Jeffrey and Advocate A-25 fibers are to be bag color coded and used at the following point values:

	4 GRADE JEFFREY		ADVOCATE A-25	
BAG COLOR	GRADE	USE AT PV	GRADE	USE AT PV
Brick	87	89		
Grey	84	86		
White	81	83	81 & up	83
Brown	78	80	78	80
Black	75	77	75	77
Green	72	74	72 (See Note)	74
Purple	69	71	69	71
Yellow	66	68	66	68
Blue	63	65	63	65
Red	60	62		

The following fibers are to be used at the assigned point values:

FIBER	ASSIGNED POINT VALUE
Blue	
"S" Pomfret or Koegas	80
KCB/R3 Kuruman	80

NOTE: Starting 6/18/68 it is the intention of Advocate to supply only 72 grade fiber. These 72 grade bags of A-25 will not be color coded. Any other grades supplied will be coded in accordance with specifications.

PRIVILEGED J-M

X- INDICATES CHANGE	REASON: Delete color code on current shipments 72 P.V A-25
AUTHORITY FOR CHANGE	F. T. Petersen's letter 6/25/68
SUPERSEDES:	Same Spec., Same Page, Dated 8/2/67

MGR. G. Q. C	MGR. Q. C.	SUPR. Q. C.	PROD. SUPT.	PLNT. PNL.	RES. LAB.				DATE ISSUED 7/17/68

F. POST CO. 126-3 50157

MTC 012747

PIPE MACHINE FURNISH (Cont'd.)

PRESSURE PIPE FURNISHES

NOTE: When running more than one product concurrently calling for different % fiber blends, always use the higher %.

SILICA

Silica must be from a research approved source

Min. SiO_2 - 93% (Quartz)

to be ground to a minimum fineness of 2400 square centimeters per gram as measured by the Blaine Air permeability test.

For control purposes - Silica will show 85% min. through 200 mesh screen (wet screen analysis).

TRADE SECRET PRIVILEGED
J-M 83
J-M 83

Cement - Silica Ratio

Cement and Silica are to be used in the following ratios. To one part of cement the following parts of silica shall be used:

	MINIMUM	MAXIMUM
10 FT. MACHINE		
Non-Pressure	0.7	1.0
Pressure	0.7	0.8
13 ft. MACHINE		
Non-Pressure	0.7	0.8
Pressure	0.7	0.8

FLOCCURATING AGENTS (Purchase Specification TR 3001)

A 1% solution of an approved flocculating agent is added continuously to the re-circulating system. This is at the rate of 0.01 to 0.03% of dry flocculating agent of the dry furnish weight. The following agents are in use at this time:

MANVILLE - SEPARAN NP 10
WAUKEGAN - SEPARAN NP 10

X- INDICATES CHANGE	REASON: UPDATE CEMENT - SILICA RATIOS & FLOCCULATING AGENTS
AUTHORITY FOR CHANGE	Research Approval
SUPERSEDES:	Same Spec., Same Page, Dated 4/1/65

MGR. G. Q. C	MGR. Q. C.	SUPR. Q. C.	PROD. SUPT.	PLNT. ENG.	RES. LAB.				DATE ISSUED 6/27/68

F. POST CO. 126-3 50157

FLOCCURATING AGENTS - (Cont'd.)

X

MARRERO	- POLYHALL #295 (STEIN HALL CO.); USE NALCO 633 AS ALTERNATE
DENISON	- NALCO 633; USE SEPARAN NP 10 AS ALTERNATE
LONG BEACH	- SEPARAN NP 10
STOCKTON	- SEPARAN NP 10 ORNALCO 633

TRADE SECRET PRIVILEGED J-M 83 J-M 83

X— INDICATES CHANGE —REASON:	Update Cement - Silica Ratio & Flocculating Agents
AUTHORITY FOR CHANGE	Research Approval
SUPERSEDES:	None - New Page

MGR. G. Q. C	MGR. Q. C.	SUPR. Q. C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED 6/27/68

F. POST CO. 186-3 80157

T.C.1

JOHNS-MANVILLE MANUFACTURING SPECIFICATION	PRODUCT: TRANSITE Pipe Fiber Blends	PLANT & DIV.	PIPE
		SPEC NO.	425-1
		PAGE NO.	2

TRADE SECRET

2. Point Value - Standard Blends

J-M 83

A. Used in Products

Water Pipe - 3" thru 6", 10' & 13', All Classes (Except 6" 200).
USBR Pipe - 3" thru 6", 10' & 13', All Classes (Except 6" R 18).
'T' Transmission Pipe - 6", 10' & 13', All Classes (Except 6" T 90).
Sewer Pipe - 4" thru 8", 10' & 13', All Classes.
Type Irrigation Pipe - 4" thru 8", 10' & 13', All Classes.
Storm Drain Pipe (LOB & STO only) - 6" & 8", 10' & 13', All Classes.

M-813 (Waukegan and Manville)

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Reeves R-25	6	600	50.0	38.5
Jeffrey 4-T	6	600	50.0	38.5
	12	1200	100.0	77

M-806 (Long Beach)

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Cassiar CP or AK	2	200	16.7	15.0
Reeves R-25	6	600	50.0	38.5
Jeffrey 4-T	4	400	33.3	25.6
	12	1200	100.0	79

M-799 (Stockton)

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Cassiar CP or AK	2	200	14.3	12.9
Reeves R-25	8	800	57.1	44.0
Jeffrey 4-T	4	400	28.6	22.0
	14	1400	100.0	79

PRIVILEGED J-M 83

X M-808 (Marrero)

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Blue	1	100	8.3	6.6
Reeves R-25	2	200	16.7	12.9
Jeffrey 4-T	2	200	16.7	12.9
Advocate A-25	7	700	58.3	43.1
	12	1200	100.0	76

X- INDICATES CHANGE —REASON: Revised Fiber Blends for Denison Plant

AUTHORITY FOR CHANGE: J. E. Hesse's letter of 8/27/70

SUPERSEDES: Same Spec., Same Page, Dated 2/2/70

MTC 012750

MGR. G. Q. C	MGR. Q. C.	SUPR. Q. C.	PROD. SUPT.	PLNT. FIN.	RES. LAB				DATE ISSUED	9/8/70

F. POST CO 184-3 8/67

JOHNS-MANVILLE MANUFACTURING SPECIFICATION	PRODUCT: TRANSITE Pipe Fiber Blends	PLANT & DIV.	PIPE
		SPEC NO.	425-1
		PAGE NO.	2.1

TRADE SECRET J-M 83

X **M-827 (Denison)**

X

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Blue	1	100	7.1	5.7
Reeves R-25	2	200	14.2	11.0
Advocate A-25	11	1100	78.7	58.0
	14	1400	100.0	75

M-812 (Green Cove)

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Blue	1	100	7.1	5.7
Jeffrey 4-T	5	500	35.7	27.5
Advocate A-25	8	800	57.2	42.3
	14	1400	100.0	76

*NOTE: Sample blend point value calculations using 77 for Reeves R-25, Jeffrey 4-T or Pacific Asbestos; 90 for Cassiar CP or AK; and 75 for Cassiar CT, AS or AX.

B. Used In Products

Water Pipe - 6" 200 & 8" thru 16", All Classes.
USBR Pipe - 6" R 18 & 8" thru 16", All Classes.
'T' Transmission - 8" thru 16" All Classes and 6" T 90.
Sewer Pipe - 10" thru 16", All Classes.
Type Irrigation Pipe - 10" thru 16", All Classes.
Underdrain and Storm Drain Pipe - 10" thru 16".
Gas Vent & Air Duct - Vent Pipe - 10" thru 16".
On-Farm Irrigation Pipe - 12" thru 16"
Coupling Stock - 3" thru 16" (The Plants are to use one of their assigned blends which has a minimum of 10% of Blue Fiber for sizes 6"-16" Water & Sewer Couplings. Use M-801 at Long Beach).

PRIVILEGED J-M 83

M-814 (Waukegan and Manville)

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Blue	1	100	8.3	6.7
Reeves R-25	5	500	41.7	32.1
Jeffrey 4-T	6	600	50.0	38.5
	12	1200	100.0	77

X- INDICATES CHANGE -REASON: Revised Fiber Blends for Denison Plant

AUTHORITY FOR CHANGE: J. E. Hesse's letter of 8/27/70

MTC 012751

SUPERSEDES: Same Spec., Same Page, Dated 8/11/70.

MGR. G.Q.C	MGR. Q.C.	SUPR. Q.C.	PROD. SUPT.	PLNT. FIN.	RES. LAB.				DATE ISSUED 9/8/70

F. POST CO. 126-3 80187

JOHNS-MANVILLE MANUFACTURING SPECIFICATION	PRODUCT: TRANSITE Pipe Fiber Blends	PLANT & DIV.	PIPE
		SPEC NO.	425-1
		PAGE NO.	2.2

M-807 (Long Beach)

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Blue	1	100	8.3	6.7
Cassiar CP or AK	3	300	25.0	22.5
Jeffrey 4-T	2	200	16.7	12.9
Cassiar CT, AS or AX	6	600	50.0	37.5
	12	1200	100.0	80

M-820 (Stockton)

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Blue	1	100	7.1	5.7
Cassiar CP or AK	2	200	14.3	12.9
Jeffrey 4-T or Pacific Asbestos	3	300	21.4	16.6
Cassiar CT or AX	4	400	28.6	21.4
Reeves R-25	4	400	28.6	22.0
	14	1400	100.0	79

M-810 (Marrero)

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Blue	1	100	10.0	8.0
Reeves R-25	2	200	20.0	15.4
Jeffrey 4-T	2	200	20.0	15.4
Advocate A-25	5	500	50.0	37.0
	10	1000	100.0	76

X M-827 (Denison)

X FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
X Blue	1	100	7.1	5.7
X Reeves R-25	2	200	14.2	11.0
X Advocate A-25	11	1100	78.7	58.0
X	14	1400	100.0	75

TRADE SECRET PRIVILEGED
J-M 83 J-M 83

X- INDICATES CHANGE -REASON: Revised Fiber Blends for Denison Plant

AUTHORITY FOR CHANGE: J. E. Hesse's letter of 8/27/70

MTC 012752

SUPERSEDES: Same Spec., Same Page, Dated 4/30/70.

MGR G.Q.C	MGR. Q.C.	SUPR. Q.C.	PROD SUPT	PLNT FIN	RES LAB				DATE ISSUED 9/8/70

P POST CO 126-3 90197

JOHNS-MANVILLE MANUFACTURING SPECIFICATION	PRODUCT: TRANSITE Pipe Fiber Blends	PLANT & DIV.	PIPE
		SPEC NO.	425-1
		PAGE NO.	2.3

X M-719 (Special Blend For Coupling Stock at Denison)

X	FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
X	Blue	1	100	10.0	8.0
X	Advocate A-25	9	900	90.0	66.6
X		10	1000	100.0	75

M-812 (Green Cove)

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Blue	1	100	7.0	5.7
Jeffrey 4-T	5	500	35.7	27.5
Advocate A-25	8	800	57.2	42.3
	14	1400	100.0	76

M-801 (Special Blend For Coupling Stock at Long Beach)

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Blue	1	100	10.0	8.0
Cassiar CP or AK	3	300	30.0	27.0
Jeffrey 4-T or Pacific Asbestos	3	300	30.0	23.1
Cassiar CT or AX	3	300	30.0	22.5
	10	1000	100.0	81

C. Used In Products

Water Pipe - 18" thru 36", All Classes.
USBR Pipe - 18" thru 36", All Classes.
'T' Transmission Pipe - 18" thru 36", All Classes.
Sewer Pipe - 18" thru 36", All Classes.
Air Duct-Vent Pipe - 18" thru 36".
Coupling Stock - 18" thru 36".

TRADE SECRET J-M 83

M-815 (Waukegan and Manville)

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Blue	2	200	14.3	11.4
Reeves R-25	5	500	35.7	27.5
Jeffrey 4-T	7	700	50.0	38.5
	14	1400	100.0	77

PRIVILEGED

X- INDICATES CHANGE	-REASON:	Revised Fiber Blends for Denison Plant
AUTHORITY FOR CHANGE		J. E. Hesse's letter of 8/27/70
SUPERSEDES:		Same Spec., Same Page, Dated 4/30/70

MGR Q. Q C	MGR. Q. C.	SUPR Q. C.	PROD SUPT	PLNT FIN	RES LAB				DATE ISSUED	9/8/70

F POST CO 1283 80157

JOHNS-MANVILLE MANUFACTURING SPECIFICATION	PRODUCT: TRANSITE Pipe Fiber Blends	PLANT & DIV.	PIPE
		SPEC NO.	425-1
		PAGE NO.	2.4

M-807 (Long Beach)

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Blue	1	100	8.3	6.7
Cassiar CP or AK	3	300	25.0	22.5
Jeffrey 4-T	2	200	16.7	12.9
Cassiar CT, AS or AX	6	600	50.0	37.5
	12	1200	100.0	80

M-821 (Stockton)

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Blue	1	100	10.0	8.0
Cassiar CP or AK	3	300	30.0	27.0
Jeffrey 4-T or Pacific Asbestos	1	100	10.0	7.7
Cassiar CT or AX	2	200	20.0	15.0
Reeves R-25	3	300	30.0	23.1
	10	1000	100.0	81

X M-827 (Denison)

X	FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
X	Blue	1	100	7.1	5.7
X	Reeves R-25	2	200	14.2	11.0
X	Advocate A-25	11	1100	78.7	58.0
X		14	1400	100.0	75

M-719 (Special Blend For Coupling Stock at Denison)

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Blue	1	100	10.0	8.0
Advocate A-25	9	900	90.0	66.6
	10	1000	100.0	75

SECRET

PRIVILEGED

X— INDICATES CHANGE —REASON:	Revised Fiber Blends for Denison Plant
AUTHORITY FOR CHANGE	J. E. Hesse's letter of 8/27/70
SUPERSEDES:	Same Spec., Same Page, Dated 2/2/70.

MGR Q.C.	MGR. Q.C.	SUPR Q.C.	PROD SUPT	PLNT FIN.	RES LAB				DATE ISSUED	9/8/70

* POST CO 1863 80187

MTC 012754

JOHNS-MANVILLE MANUFACTURING SPECIFICATION	PRODUCT: TRANSITE Pipe Fiber Blends	PLANT & DIV.	PIPE
		SPEC NO.	425-1
		PAGE NO.	2.5

M-811 (Marrero)

FIBER	BAGS	LBS.	%	*BLEND POINT VALUE
Blue	2	200	14.3	11.4
Reeves R-25	2	200	14.3	11.0
Jeffrey 4-T	2	200	14.3	11.0
Advocate A-25	8	800	57.1	42.3
	14	1400	100.0	76

*NOTE: Sample blend point value calculations using 77 for Reeves R-25, Jeffrey 4-T, or Pacific Asbestos; 90 for Cassiar CP or AK; and 75 for Cassiar CT, AS or AX.

NOTE AT ALL PLANTS

Up to 5.0% of scrap may be added to all M-Blends up to a maximum of 50 lbs. per batch. This amount of scrap is not to be included in reporting the weight willowed.

At the pipe machines, the fiber blend is to be used at the blend point value, disregarding the scrap content.

TRADE SECRET
J-M 83

PRIVILEGED
J-M 83

X- INDICATES CHANGE -REASON:	Revised Fiber Blends for Denison Plant
AUTHORITY FOR CHANGE	J. E. Hesse's letter of 8/27/70
SUPERSEDES:	Supersedes None, New Spec.

MGR. G. Q. C	MGR. Q. C.	SUPR. Q. C.	PROD. SUPT.	PLNT FIN.	RES. LAB.				DATE ISSUED	9/8/70

NOTICE OF DEVIATION T.C.

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "TRANSITE" Pipe Fiber Blends	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-1
		DEV. NO.	6-67

DATE OF DEVIATION: October 17, 1967		PAGES NO:	2		
TIME OF DEVIATION: 8:00 AM		DATE OF ISSUE	4-13-67		

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

REASON: To improve recovery by using Jeffrey 4 in blend.

AUTHORITY: D. Nowlin's wires of 9/22/67 and 9/26/67

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 Blend is M-719

Fiber	%
Blue	10.0
Advocate A25	90.0
	100.0

2. Use deviation Blend M-735

Fiber	%
Blue	10.0
Jeffrey	20.0
Advocate	70.0
	100.0

3. Until further notice.

PRIVILEGED
J-M 83

SECRET
J-M 83

SIGNED: _____ SIGNED: _____
QUALITY CONTROL SUPERVISOR PRODUCTION SUPERINTENDENT

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

ENG. Q.C.	MFG. Q.C.	QUAL. Q.C.	PROD. SUPT.	PLANT ENG.	RES. LAB.				DATE ISSUED October 17, 1967

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

MTC 012756

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "TRANSITE" Pipe Fiber Blends	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-1
		DEV. NO.	7-67

DATE OF DEVIATION: October 17, 1967	PAGES NO:	2			
TIME OF DEVIATION: 8:00 AM	DATE OF ISSUE	4-13-67			

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

REASON:

To improve recovery by reducing flex and hydro failures.

AUTHORITY: D. Howlin's wires of 9/22/67 and 9/26/67

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 Blend is M-719; we are now operating with deviation blend M-735. To reduce Advocate and increase Jeffrey levels in M-735 a trial on 6" Class 150 will be made to reduce flex and hydro losses using M-736.

2. Use deviation blend M-736

Fiber	%
Blue	10.0
Jeffrey	20.0
Advocate A25	70.0
	100.0

PRIVILEGED J-M 83

3. For at least one month, possibly longer.

TRADE SECRET J-M 83

SIGNED: [signature] QUALITY CONTROL SUPERVISOR

SIGNED: [signature] PRODUCTION SUPERINTENDENT

THIS NOTICE OF DEVIATION CANCELLED BY NOTICE OF RETURN DATED:

DIR. Q.C.	MGR. Q.C.	SUPV. Q.C.	PROD. SUPT.	PLANT FIN.	RES. LAB.				DATE ISSUED October 17, 1967

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

MTC 012757

NOTICE OF DEVIATION

Finance

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "TRANSITE" Pipe Fiber Blends	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-1
		DEV. NO.	6-67

DATE OF DEVIATION: October 17, 1967	PAGES NO:	2		
TIME OF DEVIATION: 8:00 AM	DATE OF ISSUE	4-13-67		

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

REASON: To improve recovery by using Jeffrey 4 in blend.

AUTHORITY: D. Nowlin's wires of 9/22/67 and 9/26/67

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 Blend is M-719

Fiber	%
Blue	10.0
Advocate A25	90.0
	100.0

2. Use deviation Blend M-735

Fiber	%
Blue	10.0
Jeffrey	20.0
Advocate	70.0
	100.0

3. Until further notice.

TRADE SECRET
J-M 83

PRIVILEGED
J-M 83

SIGNED: _____ 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 October 17, 1967

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

MTC 012758

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION —	PRODUCT: "TRANSITE" Pipe Fiber Blends	PLANT & DIV.	Denison - Pipe
		SPEC NO.	425-1
		DEV. NO.	7-67

DATE OF DEVIATION: October 17, 1967	PAGES NO:	2	
TIME OF DEVIATION: 8:00 AM	DATE OF ISSUE	4-13-67	

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

REASON:

To improve recovery by reducing flex and hydro failures.

AUTHORITY: D. Nowlin's wires of 9/22/67 and 9/26/67

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 Blend is M-719; we are now operating with deviation blend M-735. To reduce Advocate and increase Jeffrey levels in M-735 a trial on 6" Class 150 will be made to reduce flex and hydro losses using M-736.

2. Use deviation blend M-736

Fiber	%
Blue	10.0
Jeffrey	20.0
Advocate A25	70.0
	100.0

3. For at least one month, possibly longer.

TRADE SECRET
J-M 83

PRIVILEGED
J-M 83

SIGNED: _____
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. ENG.	RES. LAB.				DATE ISSUED October 17, 1967

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

MTC 012759

1 C

NOTICE OF DEVIATION

Johns-Manville MANUFACTURING SPECIFICATION	PRODUCT: "Transite" Pressure Blends	PLANT & DIV.	Denison-Pipe
		SPEC NO.	425-1
		DEV. NO.	6-74

DATE OF DEVIATION: 2-19-74	PAGES NO:	2.1 & 2.2	2.4	
TIME OF DEVIATION: 7:00 A.M.	DATE OF ISSUE	1-10-73	1-30-73	

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

REASON:

Could not run due to serious quality problems. (4T Fibers would not wash.)

AUTHORITY: Plant Manager

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. Approved blends for Pressure pipe and Couplings.
2. We propose to manufacture pipe and couplings using the following blend:

M719-B

Fiber	PV	%	Bags	BPV	Lbs.
Blue (Gov)	80	10.8	1-1/2	8.64	150
Adv-A25	74	89.2	12-1/2	66.00	1250
				74.64	1400

3. Until March 15, 1974

TRADE SECRET
J-M 83

PRIVILEGED
J-M 83

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

SIGNED: C. G. Stelchek
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.	PLT. FIN.	RES. LAB.				DATE ISSUED

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

MTC 012760