PLAINTIFF'S EXHIBIT
DOW-2365

ENGINEERING SPECIFICATION
Texas Division

46-750
8-18-67

LUBRICATION OIL
125 PSIG MAX @ 200F MAX

PIPE

P-6	1/4 THRU 1 1/2	ASTM A-53 OR API-5L, SCH 80 CONTINUOUS BUTT WELD STEEL PIPE.
P-3	2 THRU 6	ASTM A-53 OR API-5L, GR A OR B, SCH 40 SEAMLESS STEEL PIPE, OPEN HEARTH OR ELEC FURNACE STEEL.

FITTINGS E=90 DEG ELL, L=45 DEG ELL, T=TEE, X=CROSS, R=REDUCER

ELTXR-3	1/4 THRU 1 1/2	1000-LB SCREWED DUCTILE IRON FITTINGS, ASTM A-395.
R-22		EX STRONG FORGED STEEL SCREWED SWAGED NIPPLE.
C-1		1000-LB DUCTILE IRON SCREWED LINE COUPLING.
C-3W		3000-LB FORGED STEEL SCREWED COUPLING, OR STD WEIGHT THREDOLET, FOR WELDING IN.
PC-1		PLUG-USE EX HEAVY NIPPLE AND PIPE CAP.
U-5		3000-LB SCREWED FS UNION, ROCKWOOD 603 OR AAR 3000-LB STD.
ER-15	2 THRU 6	STD WEIGHT SEAMLESS STEEL WELDING FITTINGS, ASTM A-234 GR WPA OR WPB, ASA B16.9.
L-188		45 DEG SINGLE WELD MITER ELBOW.
PC-4		WELDING CAP, WALL THICKNESS AND MATERIAL TO CONFORM WITH WELDING FITTINGS.

FLANGES

F-24-FF	1 1/2 THRU 6	150-LB FLAT FACE WELDING NECK FLANGE, ASTM A-181 GR I OR II, ASA B16.5, BORE TO MATCH WELDING FITTINGS.
F-3-FF		150-LB FLAT FACE BLIND FLANGE, ASTM A-181 GR I OR II, ASA B16.5.
N-66		REDUCING FLANGES SHALL BE SLIP-ON TYPE

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		EXCEPT ON SIZES WHERE THREADED FITTINGS ARE SPECIFIED THREADED REDUCING FLANGES MAY BE USED.
BRANCH CONNECTIONS		
BC-2S		FOR THREADED PIPING, USE STRAIGHT SIZE OR REDUCING TEE. WHEN BRANCH IS SMALLER THAN HEADER, A NIPPLE AND REDUCING COUPLING OR SWAGED NIPPLE MAY BE USED.
BC-16W		FOR WELDED PIPING. BRANCH LINES MAY BE WELDED IN WITHOUT REINFORCEMENT REGARDLESS OF SIZE COMBINATION. FOR THREADED BRANCH CONNECTION, USE THREDOLET OR 3000-LB FULL COUPLING WELDED TO HEADER.
GASKETS		
G-4		STD FLAT RING GASKET, 1/16 INCH THICK ASBESTOS, GARLOCK 900.
JOINT COMPOUND		
JC-1		PERMATEX 2.
FLANGE BOLTS		
B-1		ASTM A-307 GR B GALV MACHINE BOLTS WITH HEAVY HEX NUTS.
BOLT LUBRICANT		
BL-1A		ARMITE LED-PLATE 250.
VALVES		
V-40	1/4 THRU 1 1/2	150-LB SCREWED, INSIDE SCREW, RISING STEM GATE VALVE, ALL BRONZE, UNION BONNET, SPLIT WEDGE DISC. CRANE 435UB HAMMOND 631 JENKINS 64-U LUNK 3150 NIBCO 92 OIC 7152 POWELL 2714 RP-C 705 STOCKHAM B-121 WALWORTH 12

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V-357	1 1/2	125-LB FLANGED OS/Y CLAMP-TYPE GATE VALVE. IBBM. JENKINS 243 LUNK 1682 POWELL 1751 WALWORTH 717F
V-1	2 THRU 6	125-LB FLANGED OS/Y GATE VALVE. IBBM. CRANE 465-1/2 JENKINS 651-A LUNK 1430 OIC 1140 POWELL 1793 RP-C 625 SCOTT 504 STOCKHAM G-623 WALWORTH 726F
V-41	1/4 THRU 1 1/2	150-LB SCREWED RISING STEM GLOBE VALVE. IRON BODY, NICKEL ALLOY OR 13 CHROME ALLOY SEAT AND PLUG TYPE DISC, UNION OR BOLTED BONNET. CRANE 314-1/2-P LUNK 1021-PS POWELL 614
V-3	2 THRU 6	125-LB FLANGED OS/Y GLOBE VALVE. IBBM. CRANE 351 JENKINS 613 LUNK 1123 OIC 116 POWELL 241 RP-C 47 SCOTT 351 STOCKHAM G-512 WALWORTH 906-F
-4	1/4 THRU 1 1/2	125-LB SCREWED HORIZONTAL SWING CHECK VALVE, ALL BRONZE, SCREWED CAP. CRANE 37 JENKINS 92-A LUNK 2144 OIC 134 POWELL 578 RP-C 298 SCOTT 87 STOCKHAM B-319 WALWORTH 406

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V-5	2 THRU 6	125-LB FLANGED HORIZONTAL SWING CHECK VALVE, IBBM, BOLTED CAP. CRANE 373 JENKINS 624 LUNK 1790 OIC 1124 POWELL 559 RP-C 216 SCOTT 84 STOCKHAM G-931 WALWORTH 928-F

Note:

1. Piping shall be installed in accordance with Engr. Spec. 47-110.

ST0404637

THE DOW CHEMICAL COMPANY

TEXAS DIVISION
FREEPORT TEXAS 77541

Date: June 26, 1969

To: _____

Attached is a copy of Engineering Specification, Piping

Spec. 46-750, Dated 7-15-69, Page(s) 1 of 1

which is in final form for issuing.

If this specification meets your approval, please sign below and return.

Issuing date has been set for 7-15-69. To meet this deadline this copy must be returned promptly as it cannot be issued until we receive your signature as approved.

Note: (R) on the specification indicates revision.

APPROVED: O A EASTON Date: 6-27-69

NOT APPROVED AS MARKED: _____ Date: _____

RETURN TO:

Angie H. Barnes
Building A-1201

ahb

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