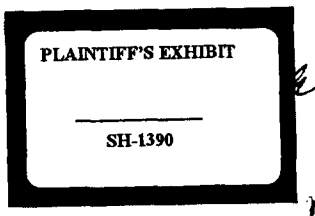

August 29, 1980

R. L. BRUNNER - OSP - ROOM 2152
T. J. HAYES - OSP - ROOM 2286

Attached for your information is the criteria used in developing DPMC-North asbestos project. We plan to have the next review meeting sometime in October. I will issue a note at a later date with the exact time and place.

Please let me know if you have any questions.

Attachment

RPF:ikg

R. P. FRUTIGER

LAM 024467

ABS-007646

DPMC-NORTH ASBESTOS PROJECT

The purpose of this survey is to eliminate air born particles from exposed insulation. A second benefit will be the energy conserved through the elimination of rain soaked insulation and replacement of insulation that has deteriorated with time from being exposed. The survey objective is locate and identify, for future maintenance repairs, the amount of exposed insulation in the North Complex. Each repair will be tabulated on Attachment III for cost analysis.

The markings used for identification will indicate the type repair required. The color codes and suggested method for marking is given by Attachment I. Listed below is the repair criteria to be used:

REPAIR "A" - This repair is for insulation weatherproofed with asphaltic felt that is worn, cracked or missing and no more than 30° of the insulation has been lost (see Attachment II).

REPAIR "B" - This repair is for insulation weatherproofed with asphaltic felt that is worn, cracked or missing and insulation loss is greater than 30° but less than 120°.

REPAIR "C" - Replace all missing aluminum weatherproof covers where insulation is exposed. Also, repair loose aluminum covers by rebanding. Do not repair the end of insulation at flanges, unions, etc.

REPAIR "D" - Repair weatherproof cover on all ells, tees and valves where exposed insulation exceeds 20% of the surface area.

REPAIR "E" - This repair is for insulation weatherproofed with asphaltic felt where missing insulation exceeds 120° of circumference.

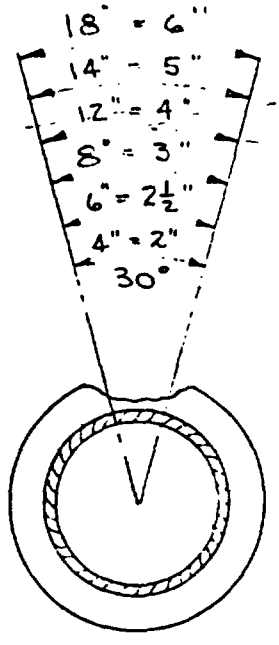

FIGURE I

REPAIR PROCEDURES

A. ASPHALTIC-FELT COVERED INSULATED PIPING WITH INSULATION EXPOSED IN WIDTHS TO THE EXTENT GIVEN BY FIGURE I SHALL BE REPAIRED AS FOLLOWS:

INSTALL COMPLETE WRAP OF 26 GAUGE (.016" THICK) PLAIN ALUMINUM, WITH 2 INCH MINIMUM OVERLAP, AROUND THE EXISTING INSULATION AND FELT COVER. THE ALUMINUM SHALL HAVE A PAPER MOISTURE INSIDE. COVER TO BE BANDED ON 12 INCH CENTERS WITH .015" x ½" STAINLESS STEEL BANDS.

B. ASPHALTIC-FELT COVERED INSULATED PIPING WITH INSULATION EXPOSED IN WIDTHS GREATER THAN THAT SHOWN BY FIGURE I SHALL BE REPAIRED AS FOLLOWS:

FILL IN VOIDS WITH CERA-BLANKET (6# DENSITY) AND MUD-IN TO NEAR INSULATION THICKNESS WITH 1-GPFF INSULATING COMPOUND. WRAP OVER REMAINING ASPHALTIC-FELT AND REPAIR WITH 26 GAUGE (.016 INCH) PLAIN ALUMINUM. NEW COVER TO HAVE 2 INCH MINIMUM OVERLAP. COVER TO BE BANDED ON 12 INCH CENTERS WITH .015" x ½ INCH STAINLESS STEEL BAND. ALUMINUM SHALL HAVE A PAPER MOISTURE BARRIER INSIDE.

C. REPLACE OR REPAIR DAMAGED ALUMINUM COVERING WHERE INSULATION IS EXPOSED.

ABS-007648

D. REPAIR WEATHERPROOFING ON TEES, ELLS AND VALVES WHERE INSULATION EXPOSED IS GREATER THAN 20% OF SURFACE AREA AS FOLLOWS:

REPAIR BUILT UP REINFORCED MASTIC COVER WHEN PRACTICAL. USE ALUMINUM GRAY COLORED POLYVINYL ACETATE WATER BASE EMULSION REINFORCED WITH 400 DENIER KNITTED GLASS FABRIC MEMBRANE IN THE REPAIR. ALUMINUM WEATHERPROOF COVER MAY BE USED IF ECONOMICS JUSTIFY. USE ALUMINUM 5005 ALLOY WITH A MINIMUM THICKNESS OF .016" AFTER FABRICATION AND SHALL HAVE A COLORED EPOXY MOISTURE BARRIER INSIDE.

E. ASPHALTIC FELT COVERED INSULATION WHERE THE AMOUNT OF MISSING INSULATION AND COVER EXCEEDS 120° IN CIRCUMFERENCE SHALL BE REPAIRED AS FOLLOWS:

REMOVE REMAINING INSULATION AND COVER. INSULATION SHALL BE WET WITH WATER PRIOR TO REMOVING AND MAINTAINED IN WET CONDITION UNTIL BAGGED FOR DISPOSAL. INSTALL NEW CALCIUM SILICATE INSULATION, J.M. THERMO 12, WITH THE SAME THICKNESS AS THAT REMOVED. WEATHERPROOF WITH ALUMINUM AS GIVEN BY ITEM "A" ABOVE.

ZE	SERVICE	TEMP.	COVER	INSUL. REQ	COVER REQ	INSUL. REQ	COVER REQ	INSUL. REQ	COVER REQ	INSUL. REQ	COVER REQ	TYPE	HEIGHT	Man Hrs	[illegible]

LAM 024471

ABS-007650

ODES: COVER TYPES _ A = ASPHALTIC FELT , B = METAL COVER , C = OTHER TYPE COVER
TYPE REPAIR __ WHITE = ALUMINUM OVER ASPHALTIC FELT , YELLOW = REPAIR INSUL. & ALUM. COVER
[illegible]

UNIT ______
page ___ of ______ DATE ______