

SOP-EDC-OHC-VC-LT/STG
WRITTEN BY: FSN
DATE: 2/27/90
APPROVED BY: DKP
DATE: 07/31/92

SOP # 5601-030.SOP
HOW TO OPERATE THE MAINTENANCE LOG BOOK

CHECK	ACTION STEPS (Capital letters) and Comments (Small letters)
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1. ALL OPERATORS: RECORD ALL MAINTENANCE ITEMS, BY PLANT AREA - ITEM -INITIAL AND DATE (NOTE: IN THEIR APPROPRIATE SECTION, INSTRUMENT, ELECTRICAL, SAFETY, ETC.).
2. LEAD OPERATORS: BLOCK, CLEAR AND TAG FOR MAINTENANCE.
3. MAINTENANCE MEN: RECORD ITEMS ON YOUR PERSONAL DAILY WORK SHEET.
 - A. INSPECT ITEMS AND DECIDE WHICH ITEMS YOU CAN DO AS LOG BOOK. COMPLETE THESE ITEMS AND NOTE IN MAINT. LOG BOOK IN APPROPRIATE COLUMN (DONE) AND SIGN.
 - B. GET WITH THE AREA FOREMAN IF NEEDED TO DECIDE IF A WORK ORDER IS NEEDED ON REMAINING ITEMS AND NOTE IN THE MAINT. LOG BOOK IN THE APPROPRIATE COLUMN WITH (W.O.).
4. AREA FOREMEN: REMOVE ITEMS MARKED AS (W.O.) WORK ORDER NEEDED AND HIGH LIGHT OUT.
5. LEAD OPERATORS: NOTE THE ITEMS COMPLETED BY MAINTENANCE AND HIGH LIGHT OUT.
6. LEAD OPERATORS: RECORD ALL SPCC LOG BOOK MAINTENANCE ITEMS IN THIS LOG BOOK.
 - A. NOTE THESE ITEMS BY DROPPING DOWN A SMALL SPACE BELOW EXISTING ITEMS AND MAKING A WAVY MARKS A LOT LINE.
 - B. THEN WRITE (SPCC).
 - C. RECORD, UNIT AREA, PAGE NUMBER, ITEM, DATE AND INITIAL.
 - D. AFTER RECORDING ITEMS MAKE A WAVY MARKS A LOT LINE.
 - E. FOLLOW THE PROCEDURES ABOVE FOR COMPLETING ITEMS.

NOTE: LETS ALL WORK TOGETHER TO COMPLETE ALL MAINTENANCE ITEMS IN A TIMELY MANNER AND KEEP THIS LOG BOOK CAUGHT UP.

SL 003569

CONFIDENTIAL:
Subject to Protective Order
of 14th Judicial District Court
No. 91-1145

SOP-OHC

WRITTEN BY: DKP

DATE: 03/28/90

REVIEWED BY: DKP

DATE: 07/29/92

SOP # 5601-031.SOP
IDENTIFYING LINED PIPE

CHECK	ACTION STEPS (Capital letters) and Comments (Small letters)
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IN JANUARY, 1990 A SPILL OCCURRED IN THE NO.5 OHC REACTOR SYSTEM DUE TO A POLYPROPYLENE LINED SPOOL BEING INSTALLED RATHER THAN KYNAR, TFE, OR FEP. USE THE FOLLOWING PROCEDURE FOR ANY LINED PIPE REPLACEMENT:

1. WHEN YOU SEE MECHANICS REPLACING A SECTION OF LINED PIPE, ASK IF THEY HAVE POSITIVELY IDENTIFIED THE LINER MATERIAL.
2. IF THE MECHANICS SAY THEY HAVE IDENTIFIED THE LINER MATERIAL, ASK THEM HOW THEY MADE THE IDENTIFICATION. IF THEY ARE NOT SURE ABOUT THE IDENTIFICATION, DO NOT LET THEM INSTALL THE SPOOL. USE THE FOLLOWING PROCEDURE TO TRY AND IDENTIFY THE LINER MATERIAL.
3. LOOK FOR THE MANUFACTURER'S NAME. THE BEST PLACES TO LOOK ARE AT THE FLANGES ON STRAIGHT PIPE SPOOLS, AND THE BODY ON ON TEES AND ELLS. USE THE FOLLOWING CHART FOR IDENTIFICATION:

MANUFACTURER =>	PEABODY DORE	RESISTOFLEX	DOW
POLYPROPYLENE	OFF WHITE	OFF WHITE	WHITE W/ YELLOW-TAN CAST OR LIGHT GRAY (OLDER) ORANGE W/ ORANGE BAND (NEWER)
KYNAR	BLUE (OLDER) BLACK (NEWER)	RED (MAROON) OR UNPIGMENTED	BLACK W/ BLACK BAND
FEP	GREEN	BLACK (OLDER) CLEAR (NEWER)	
TFE	SNOW WHITE	WHITE OR BLACK	WHITE W/ RED OR YELLOW BAND
PFA	BROWN (OLDER)	BLUE	
SARAN			DARK GRAY WITH GREEN BAND

4. KYNAR, FEP, TFE AND PFA WILL HAVE A WAXY FEEL, EVEN AFTER EXPOSURE TO SUNLIGHT. POLYPROPYLENE WILL NOT FEEL WAXY.
5. IF MANUFACTURER NOT KNOWN, TAKE A SMALL CHIP FROM THE OUTSIDE OF THE FLANGE FACE, AND DROP INTO A BEAKER OF TRI-ETHANE. IF THE CHIP FLOATS, IT IS POLYPROPYLENE (SG <1.0).
6. A LAST RESORT IS TO BURN A SMALL CHIP WITH A MATCH; POLY-PROPYLENE WILL MELT AND BURN READILY, TEFLONS WILL NOT.

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