

- TRI-II SOP -

SOP#: 27

SOP TITLE: HOPPER CHARGING THE OHC REACTOR

OPERATOR: _____

DATE: _____

written by: Claude Chaisson
John Shamburger

date: 4/11/89

reviewed by: CONTROL ROOM

date: 01/01/92

approved by: Art Reinhardt

date: 02/18/92

CHECK ACTION STEPS AS THEY ARE COMPLETED

- _____ 1. JOB SAFETY INSTRUCTIONS REVIEWED.
- _____ 2. ENSURE THAT YOU ARE WEARING PROPER SAFETY EQUIPMENT.
 - A. Hardhat.
 - B. Safety glasses.
 - C. Goggles.
 - D. Dust mask.
 - E. White, disposable, coveralls.
- _____ 3. PUT NITROGEN PURGES ON PRESSURE TRANSMITTERS P-718, P-700, AND P-702, AND THE PURGE ROTAMETERS FOR THE CATALYST LEVEL TRANSMITTER (ON THE HALO DECK). THE PURGE ROTAMETERS SHOULD BE SET FOR AT LEAST 20%.
- _____ 4. H-710 AND THE LARGE AND SMALL PCV'S SHOULD BE CLOSED AND TAGGED OUT.
- _____ 5. THE ATMOSPHERIC VALVE, ALLOWING THE SYSTEM TO VENT TO THE ATMOSPHERIC FLUIDIZATION SCRUBBER, SHOULD BE OPEN.

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- ____ 6. OPEN THE PRIMARY FLUSH WATER TO APPROXIMATELY 45% OUTPUT. CHECK TO BE SURE THERE IS A GOOD FLOW OF WATER COMING OUT OF THE DEGASSER DRAIN THROUGH THE CHEMTITE DRAINLINE GOING DOWN TO THE FLUSHWATER TRENCH (THE SIDE TRENCH RUNNING NORTH OFF THE MAIN OHC TRENCH AT THE SOUTHWEST CORNER OF THE REACTOR).
- ____ 7. PUT THE NITROGEN PURGE ON THE ROTAMETER AT THE BOTTOM OF THE BLOWDOWN LINE.
- ____ 8. PUT STEAM ON THE CYCLONE HEAT TRACING.
- ____ 9. PUT STEAM ON THE BLOWDOWN LINE HEAT TRACING.
- ____ 10. CHECK THE LEVEL IN THE BAT STORMWATER TANK. IF IT IS NOT UNDER 3', CALL WTU AND START SENDING THE CONTENTS TO THEM.
- ____ 11. MAKE SURE THE AIR BLOWER HAS A GOOD OIL LEVEL IN IT. USE DELVAC 1300 OIL.
- ____ 12. CHECK AIR BLOWER BLEED VALVE AND MIXED FEED HEADER (MFH) BLOCK VALVE TO MAKE SURE THEY ARE OPENED.
- ____ 13. START UP THE AIR BLOWER AND ADJUST AIR FLOW TO 180,000 SCFH.
- ____ 14. OPEN THE NITROGEN TO THE OXYGEN RISERS AND ADJUST TO 24,000 SCFH.
- ____ 15. CHECK THE VALVE ALIGNMENT ON THE NITROGEN SUPPLY TO THE MFH, IN CASE IT IS NEEDED DUE TO AIR BLOWER FAILURE.
- ____ 16. THE TWO OPERATORS CHARGING THE REACTOR WILL NEED DUST MASKS AND GOGGLES. AS THE HOPPERS ARE POSITIONED ON THE STAND UNTIE THE DRAIN HOSE AND DIRECT INTO THE CHARGING NOZZLE. STAY BACK FROM THE OPENING ! COVERALLS ARE HELPFUL SINCE IT IS A DUSTY JOB.

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- _____ 17. THE OHC OPERATOR SHOULD BE NOTIFIED BEFORE ADDING
EACH HOPPER SO AN ADJUSTMENT ON THE
FLUIDIZATION AIR FLOW CAN BE MADE AS NEEDED
UNTIL ALL THE HOPPERS ARE ADDED.
- _____ 18. OPERATORS STAY UP ON THE REACTOR UNTIL MAINTENANCE
GETS THE RUPTURE DISK STACK REINSTALLED.

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