

WRITTEN BY:FSN

DATE: 1/29/90

APPROVED BY: BS

DATE: 1/29/90

1204...
1-17-91
M.B.

SOP # 5602-088.SOP

ATMOS SCRUB OPER DURING RX START UP/SHUT DOWN
TEMPORARY

CHECK	ACTION STEPS (Capital letters) and Comments (Small letters)
_____	1. JOB SAFETY INSTRUCTIONS REVIEWED.
_____	2. INSURE THAT YOU ARE WEARING PROPER SAFETY EQUIPMENT.
_____	3. ISOLATE THE LCV ON THE ATMOSPHERIC SCRUBBER AND ALLOW THE SCRUBBER TO OVERFLOW TO THE IMPOUNDING BASIN. a. After you have stopped scrubbing vents, flush the scrubber with about 250 to 300 GPM of water until the Cu level drops below <u>10 PPM</u> .
_____	4. AFTER YOU STOP FLUSHING THE SCRUBBER, ANALYZE THE WATER IN THE IMPOUNDING BASIN FOR Cu. a. If the Impounding Basin is full at <u>80%</u> the Cu analysis should be <u>10 PPM</u> or less, to send to <u>WTU</u> . b. If the Impounding Basin level is <u>50%</u> or less, the Cu analysis should be <u>13 PPM</u> or less to send to <u>WTU</u> .
_____	5. Cu NUMBERS HIGHER THAN THE ABOVE FIGURES SHOULD BE TRUCKED TO THE PER TRI BAT SUMP. a. If the Impounding Basin/Covered Separator is in danger of overflowing to the ditch, it is better to send the water to WTU instead of to the ditch.

NOTE: THE GUIDELINES ABOVE WERE SET TO PREVENT SENDING MORE THAN 3.5# 'S OF Cu TO WTU BYPASSING THE BAT SYSTEM.

SL 003993

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

WRITTEN BY:MG
DATE: 3/13/91
APPROVED BY:MG
DATE: 3/15/91

SOP # 5602-122.SOP
WASHING AND HYDROBLASTING OHC RX's

- | CHECK | ACTION STEPS (Capital letters) and Comments (Small letters) |
|-------|---|
|-------|---|
- _____ 1. JOB SAFETY INSTRUCTIONS REVIEWED.
 - _____ 2. INSURE THAT YOU ARE WEARING PROPER SAFETY EQUIPMENT.
 - _____ 3. IF NECESSARY ADD WATER TO THE BAT SUMP UNTIL IT REACHES HALF FULL PRIOR TO THE START OF THE WASHING PROCEDURE.
 - _____ 4. INSTALL THE TANK WASHER INSIDE THE RX. AND OPEN ALL THE VALVES ON THE RX. WASH LINE DOWN TO THE WASH PUMPS AT THE BAT SUMP.
 - _____ 5. START UP THE BOOSTER PUMP AT THE BAT SUMP THEN THE MAIN WASH PUMP.
 - _____ 6. LET THE RX. WASH THIS WAY FOR 2 HOURS THEN SWITCH TO CLEAN WATER TO GET THE TUBES CLEAN. THIS MAY TAKE ANOTHER HOUR OR TWO.
 - _____ 7. DURING THIS WASHING HAVE THE HYDROBLASTING CREW WASH OUT THE CYCLONE, THE INLET TO THE PRIMARY TEE, THE CATALYST BLOWDOWN LINE, CATALYST ADDITION NOZZLE AND ALL THERMOWELL NOZZLES THAT ARE OPEN. (MAKE SURE MAINT HAS COVERED THE DRAIN OUT OF THE BOTTOM OF THE PRIMARY COND. TO KEEP THE TRASH OUT OF THE LINE.)
- NOTE: The lead operator should inspect the washing job to verify that everything has been cleaned out.**
- _____ 8. AFTER THE RX. WASHING IS DONE AND THE BLASTING CREW HAS FINISHED WITH THE CYCLONE AREA THEY SHOULD START ON THE BOTTOM GRID OF THE RX., HAVE THEM DO THE RX. HEAD LAST.
- NOTE: IN THE PAST AFTER THE RX. BOTTOM HEAD WAS BLASTED THERE WAS ALWAYS A LOT OF WET CATALYST LEFT INSIDE THE DRAIN NOZZLES ON THE HEAD. BE SURE ALL OF THIS IS WASHED OUT CLEAN BECAUSE CORROSION CAN START QUICKLY.**
- _____ 9. WHEN ALL WASHING IS DONE HAVE THE BLASTING CREW LINE MOLE THE DRAINS UNDER THE RX. TO GET THEM OPEN BEFORE THEY LEAVE.
 - _____ 10. LEAD OPERATORS- SINCE MOST OF THE WASHING WILL BE DONE AT NIGHT YOU NEED TO CHECK ON THE HYDROBLASTERS TO BE SURE THEY AREN'T GOOFING OFF. IF THE WORK ISN'T BEING DONE AS IT SHOULD BE, TELL THEM TO DO IT OR LET SOMEONE KNOW. CALL THE SHIFT SUPERVISOR OR THE OHC UNIT FOREMAN.

SL 003994

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