

DOCUMENT MANAGEMENT SYSTEM

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Doc# UT05-05-SJP
Title: INDEXING SLUDGE CAKE FROM SLUDGE PRESSES
Issue Dt: 04/09/2015
Revision Dt: 07/23/2018 Review Interval: 24
Cat: Safety Doc Type: SJP
Auth:
Desc: INDEXING SLUDGE CAKE FROM SLUDGE PRESSES
Loc: Midwest - Plant Maintenance Service-Midwest - Plant Maintenance-Midwest-Gary Works

1.0 PURPOSE

INDEXING SLUDGE CAKE FROM SLUDGE PRESSES

2.0 HAZARDS

SLIPPING, TRIPPING AND FALLING

FALLING DEBRIS HAZARD.

HYDROGEN SULFIDE, FUMES COULD CAUSE NAUSEA OR LOSS OF CONSCIOUSNESS

NOISE FROM ESCAPING AIR PRESSURE, SLUDGE MAY EXIT THE RELIEF LINE

IF STEPS 1 AND 2 WERE NOT DONE AND PRESSURE PRESENT, SERIOUS INJURY COULD OCCUR

AVOID BEING SPLASHED OR STRUCK BY FALLING SLUDGE. MAINTAIN BALANCE TO PREVENT FALLS. KEEP

FINGERS AND HANDS FREE OF PLATES.

FALLING INTO SLUDGE TUBS.

3.0 PERSONAL PROTECTIVE EQUIPMENT

HARD HAT

SAFETY SHOES

SAFETY GLASSES

GLOVES

PROTECTIVE CLOTHING

LONG SLEEVE SHIRT

SAFETY SHOWER AND EYE WASH

EAR PLUGS

4.0 TOOLS AND EQUIPMENT

5.0 PRECAUTIONS AND LIMITATIONS

6.0 PRE-REQUISITE ACTIONS, PERMITS, OR FORMS

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7.0 WORK PROCEDURE

SET CONTROL SWITCHES	<ol style="list-style-type: none"> 1. MAKE CERTAIN AREA IN WHICH WORK WILL BE PERFORMED IS FREE OF HOSES, BROOMS SHOVELS, ETC. BE CERTAIN ALL SAFETY EQUIPMENT IS BEING WORN. 2. SEE THAT SLUDGE TRAILER, OR ROLL-OFF BOX, IS SPOTTED CORRECTLY BELOW THE PRESS BEING INDEXED AND THAT IT CAN ACCEPT A PRESS LOAD OF SLUDGE. 3. CHECK THE EXHAUST FANS - THE FANS MUST BE ON AT ALL TIMES. 4. VERIFY THE SLUDGE PRESSURE GAUGE READS ZERO. 5. OPEN MANUAL AIR PRESSURE RELIEF VALVE TO VERIFY NO PRESSURE IS PRESENT. IF PRESENT, LET PRESSURE RELIEVE. 6. SWITCH FOLLOWER TO OPEN. BE SURE YOU ARE NOT FACING MACHINE. SWITCH DRIP TRAYS TO OPEN. 7. WHEN PRESS IS OPEN, PUSH "PLATE SHIFTER" BUTTON.
PLATE SHIFTING	<ol style="list-style-type: none"> 8. AFTER DEPRESSING PLATE SHIFT BUTTON, SCRAPE ANY SLUDGE CAKE ADHERING TO THE FILTER CLOTH AND FILTRATE CHANNEL INTO THE SLUDGE TRAILER BELOW THE PRESS. 9. OPERATOR SHOULD ASSUME A COMFORTABLE POSITION FOR USING THE SLUDGE PADDLE. REMOVE ALL SLUDGE FROM FEED HOLE AND LOOSEN SLUDGE FROM PLATES WITH THE PADDLE. 10. CLOSE AIR VALVE OPENED IN STEP 5.