

DOCUMENT MANAGEMENT SYSTEM

Page 1 of 2

Doc# UT05-10-SJP
Title: DETERMINING SLUDGE LEVELS IN THICKENERS
Issue Dt: 04/09/2015
Revision Dt: 04/16/2015 Review Interval: 24
Cat: Safety Doc Type: SJP
Auth:
Desc: DETERMINING SLUDGE LEVELS IN THICKENERS
Loc: Midwest - Plant Maintenance Service-Midwest - Plant Maintenance-Midwest-Gary Works

1.0 PURPOSE

DETERMINING SLUDGE LEVELS IN THICKENERS

2.0 HAZARDS

ICE, PACKED SNOW, RAIN AND DIMINISHED LIGHT INCREASE THE CHANCE OF SLIPPING AND FALLING.

SLIPPING AND FALLING.

FALLING INTO A THICKENER WOULD PROBABLY CAUSE A FATALITY, DUE TO DROWNING.

SERIOUS FALLS

CABLE CAN GET CAUGHT ON SLUDGE RAKE PULLING SOUNDER FROM YOUR HANDS.

3.0 PERSONAL PROTECTIVE EQUIPMENT

HARD HAT

SAFETY SHOES

SAFETY GLASSES

GLOVES

LONG SLEEVE SHIRT

4.0 TOOLS AND EQUIPMENT

5.0 PRECAUTIONS AND LIMITATIONS

6.0 PRE-REQUISITE ACTIONS, PERMITS, OR FORMS

DOCUMENT MANAGEMENT SYSTEM

Page 2 of 2

Doc# UT05-10-SJP
 Title: DETERMINING SLUDGE LEVELS IN THICKENERS
 Issue Dt: 04/09/2015
 Revision Dt: 04/16/2015 Review Interval: 24
 Cat: Safety Doc Type: SJP
 Auth:
 Desc: DETERMINING SLUDGE LEVELS IN THICKENERS
 Loc: Midwest - Plant Maintenance Service-Midwest - Plant Maintenance-Midwest-Gary Works

7.0 WORK PROCEDURE

| | |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LOWERING SENSOR INTO TANK | <ol style="list-style-type: none"> 1. IN AS MUCH AS THE THICKENERS ARE OUTSIDE AND EXPOSED TO ALL MANNERS INCLEMENT WEATHER CONDITIONS, EXTREME CAUTION SHOULD BE OBSERVED THROUGHOUT THIS TEST PROCEDURE. 2. ALWAYS USE STAIR HANDRAILS WHEN ASCENDING OR DESCENDING THE SLUDGE THICKENERS. 3. NEVER CLIMB ON GUARDRAILS. 4. CAUTION SHOULD BE TAKEN TO PREVENT HARD HATS AND GLOVES FROM FALLING INTO THE THICKENERS. EQUIPMENT COULD SUSTAIN DAMAGE, OR SLUDGE LINES PLUGGED. 5. THE SLUDGE PROBE IS APPROXIMATELY 20 FEET IN LENGTH. CARE IN ITS USE SHOULD BE TAKEN TO PREVENT TRIPPING. 6. AT THE OUTER EDGE OF THICKENER AND THE THICKENER RAKE DRIVE, SLOWLY LOWER THE SENSITIVITY SLUDGE METER OVER THE WALKWAY KICK-PLATE. NOTE: TOP OF KICK PLATE TO WATER 40 INCHES – 10 FT. FROM TOP TO BOTTOM OUTSIDE EDGE 17 FT. AT CONE AREA. 7. SWITCH ON SENSOR AND ALARM BUTTONS. 8. THE SLUDGE LEVEL MEASUREMENT WILL BE CALCULATED FROM THE TOP EDGE OF THE KICK- PLATE. SLUDGE IS CALCULATED FROM TOP OF WATER TO SLUDGE. |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|