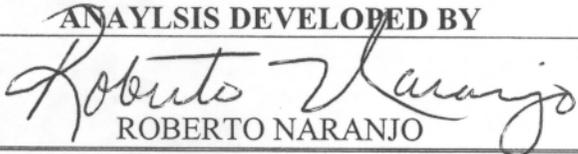
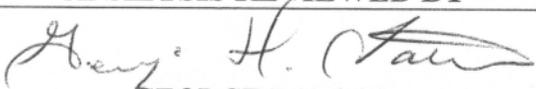
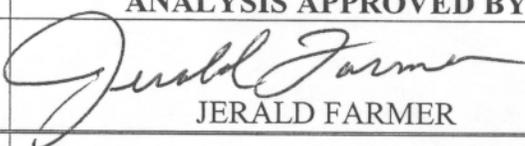


**OFFICE OF ENVIRONMENT AND SAFETY
SAFETY & HEALTH DIVISION
JOB/TASK SAFETY ANALYSIS TRAINING GUIDE**

OFFICE: PRODUCTION SUPPORT	DIVISION: INK MILL	DATE OF ANALYSIS: 10/08/2003
POSITION CLASSIFICATION: BUCKET WASHER		
JOB/TASK: DAILY AND PERIODIC MAINTENANCE OF BUCKET WASHING MACHINE		
REQUIRED AND/OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT: SAFETY SHOES, EYE GOGGLES, RUBBER GLOVES, RUBBER APRON		
ANALYSIS DEVELOPED BY	ANALYSIS REVIEWED BY	ANALYSIS APPROVED BY
<i>Roberto Naranjo</i> ROBERTO NARANJO	<i>George H. Latson</i> GEORGE LATSON	<i>Jerald Farmer</i> JERALD FARMER
SEQUENCE OF BASIC TASK STEPS	POTENTIAL HAZARDS OR ACCIDENTS	RECOMMENDED SAFE PROCEDURES
ADD DEFOAMER TO THE TANKS OF THE BUCKET WASHER, AS NECESSARY		
PLACE A BUCKET NEAR THE LOCATION OF THE 55 GALLON DRUM CONTAINING THE DEFOAMING SOLUTION, AND SLOWLY TILT THE 55 GALLON DRUM OF DEFOAMER, WHICH IS ON A HAND TRUCK.	STRAIN OR STRESS TO BODY PARTS (ARMS, SHOULDERS, WRISTS, AND/OR LOWER BACK) DUE TO BENDING AS THE HAND TRUCK IS TILTED.	PLACE YOUR FEET FAR APART AND BEND YOUR KNEES AS YOU TILT THE HAND TRUCK TO A LEVEL THAT IS FEASIBLE TO DISPENSE THE DEFOAMER.
SLOWLY OPEN THE VALVE TO LET OUT THE DEFOAMER INTO THE BUCKET AND CLOSE THE VALVE AFTER RELEASING THE INTENDED AMOUNT OF DEFOAMER SOLUTION.	DEFOAMER SOLUTION SPLASHING ON BODY PARTS CAUSING SOME SKIN IRRITATION.	WEAR RUBBER GLOVES THAT EXTEND UP THE FOREARM AND SAFETY GOGGLES.

SEQUENCE OF BASIC TASK STEPS	POTENTIAL HAZARDS OR ACCIDENTS	RECOMMENDED SAFE PROCEDURES
SLOWLY LIFT THE HAND TRUCK BACK INTO ITS UPRIGHT POSITION AND MOVE IT TO ITS STORAGE LOCATION.	STRAIN OR STRESS TO BODY PARTS (ARMS, SHOULDERS, WRISTS, AND/OR LOWER BACK) DUE TO LIFTING THE HAND TRUCK INTO ITS UPRIGHT POSITION.	USE YOUR LEGS AS LEVERAGE WHEN LIFTING THE HAND TRUCK BACK INTO ITS UPRIGHT POSITION.
LIFT THE BUCKET CONTAINING THE DEFOAMING SOLUTION AND MOVE IT TO THE BUCKET WASHER'S FRONT OR REAR TANK, PREFERABLY THE FRONT TANK.	STRAIN OR STRESS TO BODY PARTS (ARMS, SHOULDERS, WRISTS, AND/OR LOWER BACK) DUE TO LIFTING THE BUCKET.	USE YOUR LEGS AS LEVERAGE WHEN LIFTING THE BUCKET.
PLACE THE BUCKET ON THE FLOOR AND LIFT THE TANK'S DOOR WITH BOTH HANDS AND SECURE IT USING THE LOCKING DEVICE.	STRAIN OR STRESS TO BODY PARTS (ARMS, SHOULDERS, WRISTS, AND/OR LOWER BACK) DUE TO BENDING OVER TO PLACE THE BUCKET ON THE FLOOR.	AVOID BENDING OVER AND BEND YOUR KNEES TO PLACE THE BUCKET ON THE FLOOR.
LIFT THE BUCKET WITH THE DEFOAMING SOLUTION AND SLOWLY POUR THE SOLUTION INTO THE TANK.	STRAIN OR STRESS TO BODY PARTS (ARMS, SHOULDERS, WRISTS, AND/OR LOWER BACK) DUE TO LIFTING THE BUCKET. DEFOAMER SOLUTION SPLASHING ON BODY PARTS CAUSING SOME SKIN IRRITATION.	USE YOUR LEGS AS LEVERAGE WHEN LIFTING THE BUCKET. WEAR RUBBER GLOVES THAT EXTEND UP THE FOREARM AND SAFETY GOGGLES.
PLACE THE BUCKET ON THE FLOOR AND LET THE TANK'S DOOR DOWN.	PINCHING BODY PARTS WHEN LETTING THE DOOR DOWN.	USE THE HANDLE (S) TO LET THE DOOR DOWN AND KEEP THE OTHER HAND AWAY FROM THE PATH OF THE DOOR.

**OFFICE OF ENVIRONMENT AND SAFETY
SAFETY & HEALTH DIVISION
JOB/TASK SAFETY ANALYSIS TRAINING GUIDE**

OFFICE: PRODUCTION SUPPORT	DIVISION: INK MILL	DATE OF ANALYSIS: 10/08/2003
POSITION CLASSIFICATION: BUCKET WASHER		
JOB/TASK: WASHING INK MIXING BUCKETS/CONTAINERS (30, 40 AND 60 GALLONS)		
REQUIRED AND/OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT: SAFETY SHOES, EYE GOGGLES, RUBBER GLOVES, RUBBER APRON/DISPOSABLE OUTER GARMENTS, RESPIRATOR.		
ANALYSIS DEVELOPED BY	ANALYSIS REVIEWED BY	ANALYSIS APPROVED BY
 ROBERTO NARANJO	 GEORGE LATSON	 JERALD FARMER
SEQUENCE OF BASIC TASK STEPS	POTENTIAL HAZARDS OR ACCIDENTS	RECOMMENDED SAFE PROCEDURES
AS REQUIRED, SCRAPE RESIDUAL INK FROM CHANGE CANS, BUCKETS, OR OTHER CONTAINERS WITH SPATULA OR INK SCRAPER, AND EXAMINE THE SCRAPED BUCKET TO DETERMINE IF THEY REQUIRE SOAKING	STRAIN OR STRESS TO BODY PARTS (ARMS, SHOULDERS, WRISTS, AND/OR LOWER BACK) DUE TO PLACING BODY IN AN AWKARD POSITION AND APPLYING FORCE TO CLEAN OUT THE BUCKET.	PERFORM SOME STRETCHING EXERCISES FOR THE BODY PARTS WHICH HAS A HIGH PROBABILITY OF BEING UTILIZED FOR THIS TASK.
EXAMINE THE SCRAPED BUCKET TO DETERMINE IF THEY REQUIRE SOAKING.	NONE.	NONE.
PLACE SCRAPINGS IN A LARGE CONTAINER, STIRRING FROM TIME TO TIME TO INTERMIX AND DESTROY DISTINCTIVE COLORS AND CHARACTERISTICS	STRAIN OR STRESS TO BODY PARTS (ARMS, SHOULDERS, WRISTS, AND/OR LOWER BACK) DUE TO PLACING BODY IN AN AWKARD POSITION AND APPLYING FORCE TO STIR THE SCRAPINGS.	GRADUALLY APPLY THE STIRRING FORCE TO THE SCRAPINGS.

SEQUENCE OF BASIC TASK STEPS	POTENTIAL HAZARDS OR ACCIDENTS	RECOMMENDED SAFE PROCEDURES
<p>PUSH (ROLL) THE SCRAPED BUCKETS, ON ROLLERS, TO THE FREIGHT ELEVATOR FOR DELIVERY TO THE BUCKET WASHING OPERATION. STORE AT LEAST 4 OF THEM IN THE ELEVATOR AT A TIME.</p>	<p>NONE.</p>	<p>NONE.</p>
<p>PUSH (ROLL) THE BUCKETS INTO THE BUCKET WASHER WAITING AREA, FROM THE ELEVATOR.</p>	<p>STRAINING BODY PARTS (LOWER BACK, HAMSTRING, SHOULDERS, ETC.) DUE TO MOVING HEAVY OBJECT.</p>	<p>PUSH (DON'T PULL) THE BUCKETS INTO PLACE.</p>
<p>EXAMINE BUCKETS TO MAKE CERTAIN ALL STRINGS, TAGS & MISCELLANEOUS DEBRIS THAT COULD CAUSE BLOCKAGE OF WASH JETS OR DAMAGE TO THE MACHINE HAVE BEEN REMOVED; IF NOT, REMOVE THEM.</p>	<p>EXPOSURE TO INK FUMES AND STRAINING BODY PARTS (LOWER BACK, HAMSTRING, SHOULDERS, ETC.) DUE TO BENDING AND REACHING</p>	<p>WEAR A RESPIRATOR IF FUMES ARE UNBEARABLE AND AVOID STRENUOUS REACHING AS MUCH AS POSSIBLE.</p>
<p>PUSH THE CONTAINER TO THE BUCKET WASHER AREA AND LOCK THE WHEELS IN PLACE. FLIP AND LIFT THE CONTAINER (UP TO 240 LBS.) ONTO THE LIFT.</p>	<p>STRAINING BODY PARTS (LOWER BACK, HAMSTRING, SHOULDERS, ETC.) DUE TO LIFTING AND MOVING HEAVY OBJECTS.</p>	<p>AND PUSH (DON'T PULL) THE BUCKETS INTO PLACE.</p>
<p>PRESS THE LIFT'S UP BUTTON. ONCE AT THE SPECIFIED HEIGHT, PUSH THE CONTAINER INTO THE BUCKET WASHER. LOAD THE CLEANING MACHINE IN SUCH A WAY AS TO OBTAIN OPTIMUM CLEANING ACTION.</p>	<p>STRAINING BODY PARTS (LOWER BACK, HAMSTRING, SHOULDERS, ETC.) DUE TO LIFTING AND MOVING HEAVY OBJECTS.</p>	<p>USE YOUR LEGS FOR LEVERAGE WHEN PUSHING THE HEAVY CONTAINERS INTO THE BUCKET WASHER.</p>

SEQUENCE OF BASIC TASK STEPS	POTENTIAL HAZARDS OR ACCIDENTS	RECOMMENDED SAFE PROCEDURES
CORRECT MACHINE SETTINGS FOR TIME CYCLES, BASED, ON KIND AND AGE OF INK RESIDUE.	NONE.	NONE.
DURING THE WASH INTERVAL, OBSERVE THE TEMPERATURE GAUGE, PUMP PRESSURE GAUGE, CLEANING SOLUTION LEVEL AND COLOR IN THE TANK, AND QUALITY OF THE EFFLUENT. UPON OBSERVING ANY MALFUNCTION, TAKE IMMEDIATE AND APPROPRIATE CORRECTIVE ACTION.	NONE.	NONE.
CHECK THE TIME SETTING ON RINSE, TILT, AND INHIBITOR INTERVALS NOTE: THE WASHING PROCESS/CYCLE TAKES ABOUT 30 MINUTES AND EACH CONTAINER WILL NEED AT LEAST 2 CYCLES.	NONE.	NONE.
REMOVE THE BUCKETS AT THE END OF THE CLEANING CYCLE BY PULLING IT OUT OF THE BUCKET WASHER.	STRAINING BODY PARTS (LOWER BACK, HAMSTRING, SHOULDERS, ETC.) DUE TO BENDING AND MOVING HEAVY OBJECTS.	GRADUALLY APPLY FORCE TO THE BUCKET AS YOU ATTEMPT TO PULL IT OUT OF THE BUCKET WASHING MACHINE.
EXAMINE EACH CONTAINER FOR PROPER DEGREE OF CLEANLINESS.	NONE.	NONE.
REJECTS ARE PROCESSED THROUGH THE MACHINE AGAIN AND APPROPRIATE CHANGES ARE MADE IN THE MACHINE OPERATION TO IMPROVE CLEANING RESULTS.	NONE.	NONE.

SEQUENCE OF BASIC TASK STEPS	POTENTIAL HAZARDS OR ACCIDENTS	RECOMMENDED SAFE PROCEDURES
<p>IF THE BUCKET IS CLEANED SATISFACTORILY, RINSE THE BUCKETS WITH FRESH WATER TO REMOVE THE CLEANING SOLUTION AND THEN FLIP AND PLACE THE BUCKETS ONTO THE ROLLERS AND MOVE (PUSH) THE BUCKET TO ITS STORED DESTINATION.</p>	<p>STRAINING BODY PARTS (LOWER BACK, HAMSTRING, SHOULDERS, ETC.) DUE TO FLIPPING AND MOVING HEAVY OBJECTS.</p>	<p>BEND YOUR KNEES WHEN FLIPPING THE BUCKETS OVER AND PLACING THEM ONTO THE ROLLERS. GRADUALLY APPLY FORCE TO THE BUCKET AS YOU ATTEMPT TO PUSH IT TO ITS STORED DESTINATION.</p>

JSA BUCKET WASHER

