

MAINTENANCE ☐OPERATIONS ☒SPECIFIC AREA WASTE TREAT.

DERIVATIVES JOB SAFETY ANALYSIS

DATE 09/06/9WRITTEN BY STEVE CLARK

TYPE OF EMPLOYEES DOING JOB

AUXIL. OPERATOR
E-DAY OPERATOR
VACAT. RELIEF OPER.

JOB (BE SPECIFIC)

"LONG SAMPLE-ROUND"
SAMPLE VARIOUS HCL/ALKALINE
& ORGANIC STREAMS THROUGH-
OUT UNIT.REVIEW BY BEN REYNOLDSISMAEL PEREZ
HYLAND BIAGAS
JOYCE WILLIAMSREQUIRED PERMITS/PROCEDURES N/A.REQUIRED PERSONAL
PROTECTIVE EQUIPMENT =
CIRCLE EACH AS NEEDED☒ HARD HAT, ☒ SAFETY GLASSES, ☒ SAFETY SHOES, ☒ EAR PLUGS, ☒ GOGGLES, ☒ SAFETY
BELT, ☒ BOOTS, ☒ SLICKER, ☒ FACE SHIELD, ☒ JOB RATED GLOVES, ☒ JOB RATED
RESPIRATOR (LIST OTHERS BELOW).

SEQUENCE OF BASIC JOB STEPS NUMBER EACH	POTENTIAL ACCIDENTS OR HAZARDS	RECOMMENDED SAFE JOB PROCEDURE
OPENING SMALL BUSED VALVES TO OBTAIN OF THE VARIOUS STREAMS IN OUR UNIT IS A FAIRLY ROUTINE JOB. OBSERVING THE ESTABLISHED SAFETY PRACTICES MAKES THESE "ROUTINE" JOBS SAFE ONES:		
1.) SAMPLE BOTTOMS FLANT FEED	1.) SPLASHED W/CHEM- ICAL; EDC EXPOSURE	1.) WEAR PROPER CHEMICAL RESISTANT GLOVES & BOOTS. WEAR GOGGLES; WEAR COMFO II RESPIRATOR
2.) SAMPLE BOTTOMS PRODUCT	2.) -DITTO- ABOVE W/ EVEN GREATER POTENTIAL EDC EXPOSURE	2.) -DITTO- ABOVE PLUS UTILIZE CLOSED-LOOP SAMPLING DEVISE.
3.) SAMPLE BOTTOMS FLANT VENT FOR O ₂	3.) EXPOSURE TO VARIOUS ORGANIC VENTS	3.) DRAW SAMPLE WEARING PROPER GLOVES & COMFO II RESPIRATOR. SAMPLE DRAWN W/ A SYRINGE.
4.) CU. STILL REFLUX	4.) -DITTO- #1 & #2 ABOVE	4.) -DITTO- #1 ABOVE

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SEQUENCE OF JOB STEPS	POTENTIAL ACC-ID. OR HAZARDS	SAFE JOB PROCEDURE
5.) BOTTOMS PLANT SCRUBBER	5.) EXPOSURE TO SLIGHTLY ACIDIC WATER	5.) WEAR PROP- ER GLOVES, GOOGLES
6.) INCINERATOR LIQUID FEED (CHECK W/ LEAD OP. OR INC OP. TO DETERMINE WHICH PUMP IS BEING USED)	6.) SPLASHED W/ WARM ORGANIC CHEMICAL; ETC EXPOSURE	6.) -DITTO- #1 ABOVE; USE OF A SHIELD TO PREVENT SPASH ONTO CLOTHES & BOOTS
7.) EFFLUENT NO.1 #2 INC PRIMARY SCRUBBERS	7.) SPLASHED W/ ACIDIC MATERIAL	7.) WEAR PROPER GLOVES & BOOTS. WEAR GOOGLES
8.) NO. 1/2 SEC. SCRUBBER	8.) SPLASHED W/ ALKALINE MATERIAL	8.) -DITTO- #7 ABOVE PLUS KNOW LOCATION OF BODY WASH.
9.) 201 SEWER	9.) MINIMAL HAZARD W/ SAMPLING METHOD USED	9.) -DITTO #7 ABOVE
10.) #3 SEC SCRUBBER	10.) -DITTO- #8 ABOVE	10.) -DITTO #8 ABOVE
11.) #3 ABSORBER	11.) -DITTO #7 ABOVE	11.) -DITTO #7 ABOVE
12.) #3 INC STEAM DRUM	12.) EXPOSURE TO HOT LIQUID (THERMAL BURN)	12.) WEAR GLOVES, GOOGLES
13.) WEAK ACID COOLER (WATER SIDE)	13.) MINIMAL HAZARD	13.) -DITTO #7 ABOVE
14.) WEAK ACID TANK	14.) -DITTO #7 ABOVE	14.) -DITTO #7 ABOVE
15.) B1-B2 LIFT STATION HEADER	15.) -DITTO #7 ABOVE	15.) -DITTO #7 ABOVE
16.) STRIPPER FEED	16.) -DITTO #7 ABOVE	16.) -DITTO #7 ABOVE

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17.) CSS ECON- OMIZERS	17.) EXPOSURE TO HOT LIQUID (THERMAL BURN)	17.) - DITTO #12 ABOVE PLUS USE SHIELD
18.) SOD. FORMATE	18.) SPLASHED W/ HOT LIQUID	18.) - DITTO #7 ABOVE
19.) BLEACH PUMP	19.) SPLASHED W/ ALKALINE MATERIAL	19.) - DITTO #8 ABOVE
20.) STRIPPER BOTTOMS	20.) EXPOSURE TO ACIDIC HOT (210°F) MATERIAL	20.) - DITTO #7 ABOVE
21.) 201 OUTFALL	21.) EXPOSURE TO ACIDIC OR ALKALINE MATL. POTENTIAL FALL HAZARD	21.) - DITTO #7 ABOVE PLUS MAKE SURE HAVE GOOD FOOTING WHEN DROPPING SAMPLE BOTTLE IN BASIN

FURTHERMORE, THE OPERATOR TAKES THE FOLLOWING SAFETY PRECAUTIONS:

- 1.) WASHES DOWN PADS WHERE SAMPLES ARE DRAWN TO PREVENT SLIP HAZARDS
- 2.) CARRIES A RADIO TO COMMUNICATE W/ THE CONTROL ROOM ABOUT ANY PROBLEMS OBSERVED.
- 3.) KNOWS THE LOCATION OF SAFETY SHOWERS.
- 4.) RODS - OUT PLUGGED SAMPLE POINTS CAUTIOUSLY, BEING AWARE OF A SUDDEN BREAK THROUGH.

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