

CG 03 CODE KY-787-D

MON 11 1980

PROCESSES

APPROVED BY

REC-13 00 37859

 () KY-787-S (S) FWP 11/3/80
 () (XOB-17: 3/4
 () N-32-D & 240
 () MIN STRIKE)
 TYPED BY: FWP 11/3/80

STANDARD HRS. 10.6 TIME 3A

CG CODE PQ LOT

LBS

PUNCHED & CHECKED

14 YC002B 93

14 YC002B 93

14 YC002B 93

CLEAN UP
AS YOU GO ALONG

TOTAL EST'D WGT 5845

NON-BLEEDING

EQUIP	NAME : "KROLOR" YELLOW MEDIUM	USE LBS	NCODE	ADCT LBS
203	1 RUN 60" (990 GAL) WATER INTO V-203 WITH AGITATOR	20	72-D	20
&	ON HIGH SPEED & ADD CAUSTIC	40		
205	2 WEIGH SODIUM SILICATE INTO DRUM & POUR IN	420	983-D	420
	3 DUMP IN CHROME YELLOW & STIR 5 MIN	84X50	YC-2-B	4200
	RECORD: START 4:20 PM	4000		
	FIN 6:20 PM	200		
	4 ADJUST TO 75" (1275 GAL)			
	5 WITH AGITATOR ON LOW SPEED PUMP V-203 THRU			
	HOMOG AT 2400-2600 PSI INTO V-205			
	6 WHEN V-203 MT, WASH COLOR THRU HOMOG WITH MIN			
	HOT WATER AT 2400-2600 PSI INTO V-205			
	7 RECORD: V-205 VOL: " & ADJUST TO 60" (2100 GAL)			
	8 INSPECT HOMOG STRAINER & CLEAN IF NECESSARY			
208	9 RUN 2" (200 GAL) WATER INTO V-208 START			
&	AGITATOR & INSTALL TEMP CHART			
SV	10 PUMP V-205 THRU HOMOG AT 4800-5200 PSI INTO SV.			
	RECORD: TIME START 7:55A TOTAL MINUTES 120			
2	NOTE: IF HOMOG PRESSURE FALLS BELOW 4800 PSI,			
	3-WAY VALVE WILL RECIRCULATE SLURRY TO V-205			
41	WHEN V-205 MT, RUN IN 5" (240 GAL) WATER & PUMP			
	THRU HOMOG AT 4800-5200 PSI INTO SV			
349	12 WHILE HOMOG, RUN 6" (284 GAL) WATER INTO V-349			
&	13 RUN 1000# WATER INTO V-384 & HEAT TO 110-120°F			
384	14 WEIGH INTO V-384 & PUMP TO V-349	2415	983-D	2415
	15 RUN 1000# WATER INTO V-384 & PUMP TO V-349			
3	16 ADJ V-349 TO 17" (805 GAL) & STIR 15 MIN			
1097-17	RECORD DENSITY: 1.03 G/ML (1.103-1.105)	150	983	150
SV	18 WHEN S-11 HOMOG COMPLETE, ADJ SV TO 24" (2420 GAL)			
	19 RECORD: PH 10.2 & ADJ TO 11.1-11.3 WITH CAUSTIC			
4	AT 5% (10 PARTS WATER TO 1 PART N-7-D)			
	ASSUME 50%	40	7-D	20
	SIPHON N-7-D INTO SV & RECORD: PH 11.3			
20	HEAT TO 190-194°F IN 55-65 MIN & REC: HT *F			
	& RECORD: *F			
	NOTE: STRIKE MUST BE STARTED IMMEDIATELY ON			
	ON COMPLETION OF HEATING			
343	21 WHILE HEATING SV, RUN 39" (1070 GAL) WATER INTO			
&	V-343 & METER IN SULFURIC ACID FROM V-386			
	MK 88 #/GAL 91.2 GAL		27-D	361

N34756

EQUIP	PAGE	NO	BY	DATE	USE	N-	USE
	1	212	RY-787-D	EST OCT 58453	LBS	CODE	LBS
SV	124	WHEN S 20 HEATING COMPLETE, RECORD: PH <u>9.7</u>					
		SET V-343 ACID PUMP AT 49 SETTING (285 MIN)					
		SET V-349 SILICATE PUMP AT 58 SETTING (240 MIN)					
		IMMEDIATELY METER IN V-343 & V-349. MAINTAIN SV					
		AT 190-194°F DURING STRIKE					
	128	RECORD: START FINISH MINUTES					
		V-343	2:00	4:20 PM	22.3		
		V-349		4:10 PM	25.0		
		V-343		V-349	SV	NORMAL	
		TIME INCHES	INCHES	PH	PH		
		AT 20 MIN	2:30 (37)	(16)	9.7	(9.3-10.0)	
		40 MIN	12:40 (34)	(14)	9.7	(9.3-10.0)	
6		1 HR	1:00 (31)	(13)	9.8	(9.3-10.0)	
		2 HR	2:00 (23)	(9)	9.5	(9.3-10.0)	
		3 HR	3:00 (15)	(4)	9.8	(9.3-10.0)	
		4 HR	4:00 (6)	(0)	9.8	(9.3-10.0)	
		FINISH	4:45 (0)		7.8	(7.5-8.5)	
		NOTE: IF PH DROPS BELOW 9.3 IN FIRST HOUR, STOP PUMPS & SEE SUPV. IF FINAL PH IS ABOVE 8.5, ADJ TO 7.5-8.5 ASSUME 77%					
						27-D	
330	129	RUN 35" (600 GAL) WATER INTO V-330 & HEAT TO					
7		160-170°F					
	130	ADD DRESINATE "X" IN 12-13 MIN					
					600	530-A	600
	131	STIR 5 MIN & RECORD: PH <u>10.0</u> (9.5-10.5)					
	132	STIR 20 MIN OR LONGER FOR S-45					
385	133	RUN 40" (308 GAL) WATER INTO V-385 & HEAT TO					
8		135-140°F					
	134	DUMP IN ALUM & STIR TO DISSOLVE FOR S-41					
					280	15-A	280
302	135	ADD 42" (513 GAL) WATER TO V-302					
9	136	ADD & STIR 2 MIN FOR S-43 ASSUME 50%					
					160	7.0	160
SV	137	WHEN V-349 MT, RINSE IN WITH MINIMUM WATER &					
		SET PUMP AT ZERO SETTING					
10	138	WHEN V-343 MT, RINSE IN WITH MINIMUM WATER &					
		TURN OFF PUMP MOTOR					
	139	TURN OFF STEAM					
	140	SIFT IN BLANC FIXE					
					200	128-A	200
	141	RUN IN V-385 FROM S 34 & STIR 5 MIN					
	142	RECORD: PH <u>3.3</u> (3.7-4.2)					
	143	RUN IN N-7-D FROM S 36 IN 10-12 MIN & STIR 5 MIN					
	144	RECORD: PH <u>9.9</u> (9.0-9.5) & IF NECESSARY ADJ TO PH 9.0-9.5. RECORD: PH <u>9.4</u> ASSUME 77%					
					10	27-D	8
		DILUTE N-7-D 10 TO 1 WITH WATER ASSUME 70%					
						27-D	
		SIPHON N-7-D INTO SV					
	145	RUN IN V-330 THRU 20 MESH SCREEN & STIR 20 MIN					
330	146	RUN 11" (216 GAL) WATER INTO V-330					
11	147	DUMP IN CALCIUM CHLORIDE & STIR 5 MIN FOR S-48					
					230	20-A	230
SV	148	RUN V-330 INTO SV IN 15-20 MIN					
12	149	STIR 15 MIN & RECORD: PH <u>9.5</u> (9.0-10.0)					
	150	DO NOT STOP AGITATOR					
		START	FINISH	OPERATOR			
		7:00 AM	3:00 PM	301-259			

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