

CG 03 CODE KY-787-D

OCT--8 80 37391

STANDARD HRS. 10.6 TIME 7P M

PROCESSES

 () KY-787-S (S) FWP 9/18/80
 () () (XDB-17: 3/4
 () () NF32-D & 240
 () () MIN STRIKE)
 TYPED BY: FWP 9/18/80

CG	CODE	PQ	LOT	LBS
14	YC002B	93	1309P	2000
14	YC002B	93	13097	2000
14	YC002B	93	13096	200

TOTAL EST'D WGT 5845

NON-BLEEDING

EQUIP	NAME	"KROLOR" YELLOW MEDIUM	USE LBS	NCODE	ACCT LBS
203	1	RUN 60" (990 GAL) WATER INTO V-203 WITH AGITATOR			
&		ON HIGH SPEED & ADD CAUSTIC	40	7-D	20
205	2	WEIGH SODIUM SILICATE INTO DRUM & POUR IN	420	32-D	420
	3	DUMP IN CHROME YELLOW & STIR 5 MIN	84X50	YC-2-B	4200
		RECORD: START <u>4:30 PM</u> <u>Lat 13098</u>	<u>2000</u>		
1		FIN <u>1:20 PM</u> <u>13097</u>	<u>2000</u>		
			<u>13096</u>		
	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. <u>47</u> " & ADJUST TO 60" (2100 GAL)			
	8	INSPECT HOMOG STRAINER & CLEAN IF NECESSARY			
		<u>2" V-262 or 4" V-246</u>			
208	9	RUN <u>4</u> " (200 GAL) WATER INTO V- <u>24</u> START			
&		AGITATOR & INSTALL TEMP CHART			
SV	10	PUMP V-205 THRU HOMOG AT 4800-5200 PSI INTO SV			
		RECORD: TIME START <u>10:05</u> TOTAL MINUTES <u>115</u>			
2		NOTE: IF HOMOG PRESSURE FALLS BELOW 4800 PSI,			
		3-WAY VALVE WILL RECIRCULATE SLURRY TO V-205			
	11	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	32-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			
	17	RECORD DENSITY: <u>1.103</u> G/ML (<u>1.103-1.105</u>)			
		<u>V-262</u> <u>V-48" V-246</u>			
SV	18	WHEN S-11 HOMOG COMPLETE, ADJ SV TO 24" (2420 GAL)			
	19	RECORD: PH <u>10.9</u> & ADJ TO 11.1-11.3 WITH CAUSTIC			
4		AT 5% (10 PARTS WATER TO 1 PART N-7-D)			
		ASSUME 50%	<u>10</u>	7-D	<u>5</u>
		SIPHON N-7-D INTO SV & RECORD: PH <u>11.3</u>			
	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			
	21	WHILE HEATING SV, RUN 39" (1070 GAL) WATER INTO			
343		V-343 & METER IN SULFURIC ACID FROM V-386			
&		MK <u>62</u> , <u>895</u> #/GAL, <u>403</u> GAL			
386	22	STIR 15 MIN OR LONGER		27-D	361
5	23	RECORD: DENSITY <u>1.025</u> G/ML (1.023-1.025)			

N34984

247

24 WHEN S 20 HEATING COMPLETE, RECORD: PH 10.0

25 SET V-343 ACID PUMP AT 49 SETTING (285 MIN)

26 SET V-349 SILICATE PUMP AT 38 SETTING (240 MIN)

27 IMMEDIATELY METER IN V-343 & V-349. MAINTAIN SV
AT 190-194°F DURING STRIKE

SV 28 RECORD: START FINISH MINUTES

	V-343	V-349	V-343	V-349	SV	NORMAL
	3:55	3:55	8:10			2:45

6

	TIME	INCHES	INCHES	PH	PH
AT 20 MIN	3:15	(37)	(16)	9.7	(9.3-10.0)
40 MIN	3:35	(34)	(14)	9.7	(9.3-10.0)
1 HR	4:55	(31)	(13)	9.7	(9.3-10.0)
2 HR	5:55	(23)	(9)	9.5	(9.3-10.0)
3 HR	6:55	(15)	(4)	9.3	(9.3-10.0)
4 HR	7:55	(6)	(0)	9.3	(9.3-10.0)
FINISH	8:40	(0)		7.5	(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 29 RUN 35" (600 GAL) WATER INTO V-330 & HEAT TO
7 160-170°F

30 ADD DRESINATE "X" IN 12-13 MIN 600 530-A 600

31 STIR 5 MIN & RECORD: PH 9.8 (9.5-10.5)

32 STIR 20 MIN OR LONGER FOR S-45

385 33 RUN 40" (308 GAL) WATER INTO V-385 & HEAT TO
8 135-140°F

34 DUMP IN ALUM & STIR TO DISSOLVE FOR S-41 280 15-A 280

302 35 ADD 42" (513 GAL) WATER TO V-302

9 36 ADD & STIR 2 MIN FOR S-43 ASSUME 50% 320 7-D 160

SV 37 WHEN V-349 MT, RINSE IN WITH MINIMUM WATER &
10 38 SET PUMP AT ZERO SETTING

39 WHEN V-343 MT, RINSE IN WITH MINIMUM WATER &
TURN OFF PUMP MOTOR

40 TURN OFF STEAM ✓ 200 128-A 200

41 SIFT IN BLANC FIXE

42 RUN IN V-385 FROM S 34 & STIR 5 MIN

43 RECORD: PH 4.2 (3.7-4.2)

44 RUN IN N-7-D FROM S 36 IN 10-12 MIN & STIR 5
MIN

45 RECORD: PH 11.2 (9.0-9.5) & IF NECESSARY ADJ TO
PH 9.0-9.5. RECORD: PH 9.2 ASSUME 77% 50 27-D 39

DILUTE N-7-D 10 TO 1 WITH WATER ASSUME 50% 7-D

46 SIPHON N-7-D INTO SV

47 RUN IN V-330 THRU 20 MESH SCREEN & STIR 20 MIN

330 46 RUN 11" (216 GAL) WATER INTO V-330

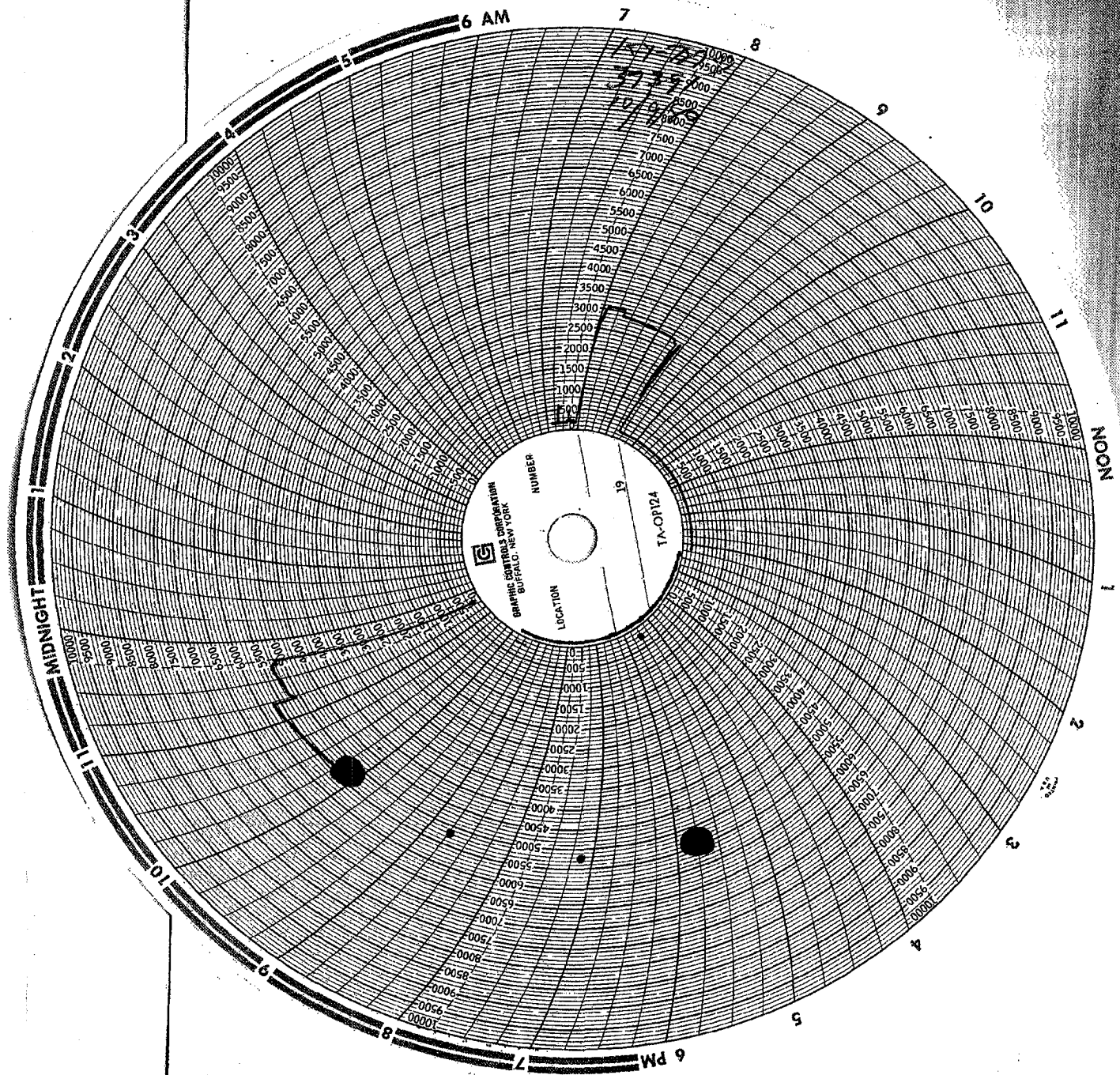
11 47 DUMP IN CALCIUM CHLORIDE & STIR 5 MIN FOR S-48 230 20-A 230

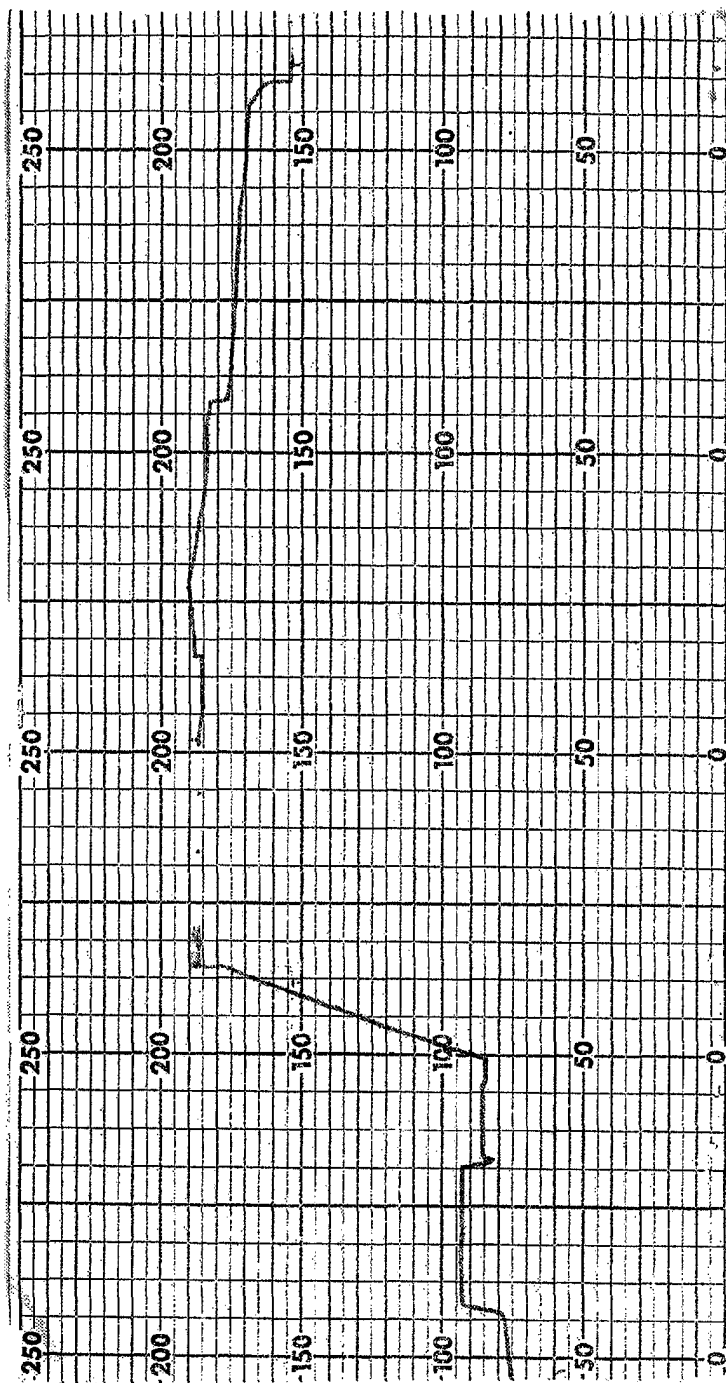
SV 48 RUN V-330 INTO SV IN 15-20 MIN

12 49 STIR 15 MIN & RECORD: PH ____ (9.0-10.0)

50 DO NOT STOP AGITATOR

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