CG 03 CODE KY-787-D

OCT--6 80 37352

STANDARD HRS. 10.6 TIME 7P M

PROCESSES
( ) KY-787-S (S)
( )
( )
( )

APPROVED BY
FWP 9/18/80
(XOB-17: 3/4
N-32-D & 240
MIN STRIKE)
TYPED BY: FWP 9/18/80

Homog #2 — 1st Pass

CG	CODE	PQ	LOT	LBS
14	YC002B	93	13098	200
14	YC002B	93	13088	2000
14	YC002B	93	24999-1	2000

TOTAL EST'D WGT 5845

OCT 7 80 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
263	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 2:00 PM	200		
1		FIN 4:1 PM	2000		
		13098- 13088- 24999-1	2010		
	4	ADJUST TO 75" (1275 GAL)			
	5	WITH AGITATOR ON LOW SPEED PUMP V-203 THRU			
		HOMOG AT 2400-2600 PSI INTO V-~~205~~ 263			
	6	WHEN V-203 MT, WASH COLOR THRU HOMOG WITH MIN			
		HOT WATER AT 2400-2600 PSI INTO V-205			
	7	RECORD: V-263 VOL._____" & ADJUST TO 60"(2100 GAL)			
	8	INSPECT HOMOG STRAINER & CLEAN IF NECESSARY			
208	9	RUN ___" (200 GAL) WATER INTO V-247 START 7" V-262 4" V-246			
&		AGITATOR & INSTALL TEMP CHART			
SV	10	PUMP V-205 THRU HOMOG AT 4800-5200 PSI INTO SV.			
		RECORD: TIME START 12:30 AM TOTAL MINUTES 135			
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: 1.104 G/ML (1.103-1.105)			
SV	18	WHEN S-11 HOMOG COMPLETE, ADJ SV TO 24"(2420 GAL) V-262 48" V-246			
	19	~~RECORD~~: PH 10.7 & ADJ TO 11.1-11.3 WITH CAUSTIC			
4		AT 5% (10 PARTS WATER TO 1 PART N-7-D)			
		ASSUME 50%	20	7-D	10
		~~SIPHON~~ N-7-D INTO SV & RECORD: PH 11.3			
	20	HEAT TO 190-194*F IN 55-65 MIN & REC: HT 195 *F			
		& RECORD: 195 *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 101 9.520#/GAL 37.9 GAL	37.9	27-D	361
386	~~22~~	STIR 15 MIN OR LONGER			
5	23	RECORD: DENSITY 1.023 G/ML (1.023-1.025)			

N35026

EQUIP		PAGE 2 CG 03 KY-787-D EST WGT 5845# V247	USE LBS	N-2 CODE	USE LBS
	24	WHEN S 20 HEATING COMPLETE, RECORD: PH 10.4			
	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			
SV		AT 190-194*F DURING STRIKE			
	28	RECORD: START FINISH MINUTES			
		V-343 5:40 Am 10:08A 268			
		V-349 6:00 Am 9:29A 245			
		V-343 V-349 SV NORMAL			
		TIME INCHES INCHES PH PH			
		AT 20 MIN 5:40 Am (37) — (16) — 9.8 (9.3-10.0)			
		40 MIN 6:00 Am (34) — (14) — 9.8 (9.3-10.0)			
6		1 HR 6:20 Am (31) — (13) — 9.7 (9.3-10.0)			
		2 HR 7:20 Am (23) + (9) — 9.6 (9.3-10.0)			
		3 HR 8:20 Am (15) + (4) + 9.6 (9.3-10.0)			
		4 HR 9:20 Am (6) — (0) — 9.5 (9.3-10.0)			
		FINISH 10:05 Am (0) — 8.2 (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 10.2 (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	400 280		400 280
	34	DUMP IN ALUM & STIR TO DISSOLVE FOR S-41		15-A	
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 &			
		SET PUMP AT ZERO SETTING			
10	38	WHEN V-343 MT, RINSE IN WITH MINIMUM WATER &			
		TURN OFF PUMP MOTOR			
	39	TURN OFF STEAM			
	40	SIFT IN BLANC FIXE	200	128-A	200
	41	RUN IN V-385 FROM S 34 & STIR 5 MIN			
	42	RECORD: PH 3.6 (3.7-4.2)			
	43	RUN IN N-7-D FROM S 36 IN 10-12 MIN & STIR 5			
		MIN			
	44	RECORD: PH 9.1 (9.0-9.5) & IF NECESSARY ADJ TO			
		PH 9.0-9.5. RECORD: PH____ ASSUME 77%	_____	27-D	_____
		DILUTE N-7-D 10 TO 1 WITH WATER ASSUME 50%	_____	7-D	_____
		SIPHON N-7-D INTO SV			
	45	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 9.2 (9.0-10.0)			
	50	DO NOT STOP AGITATOR			
		START FINISH OPERATOR			
		4:00P 11:00P 235			
		7 hr 11 hr 120			

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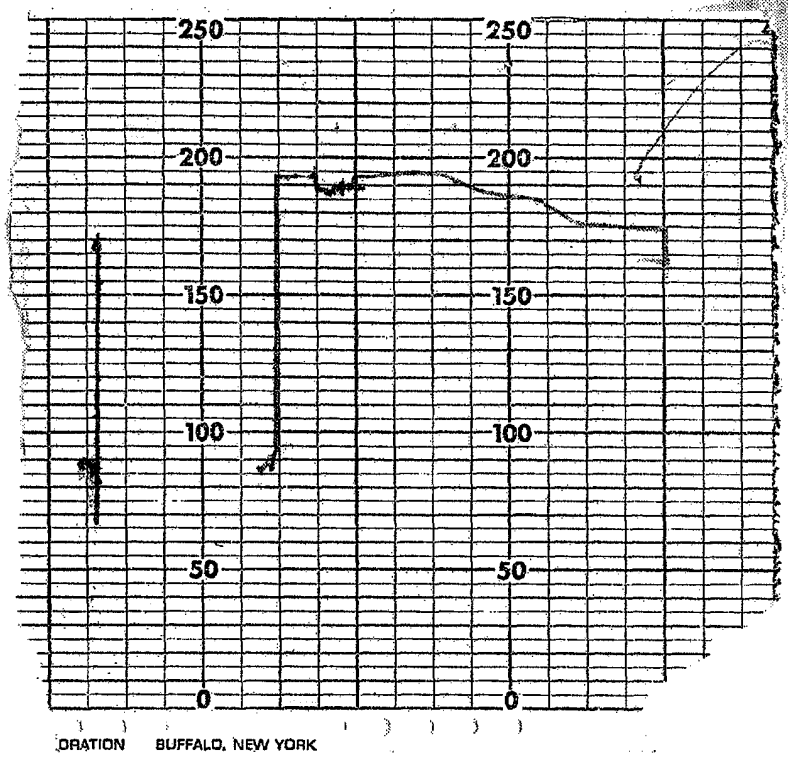

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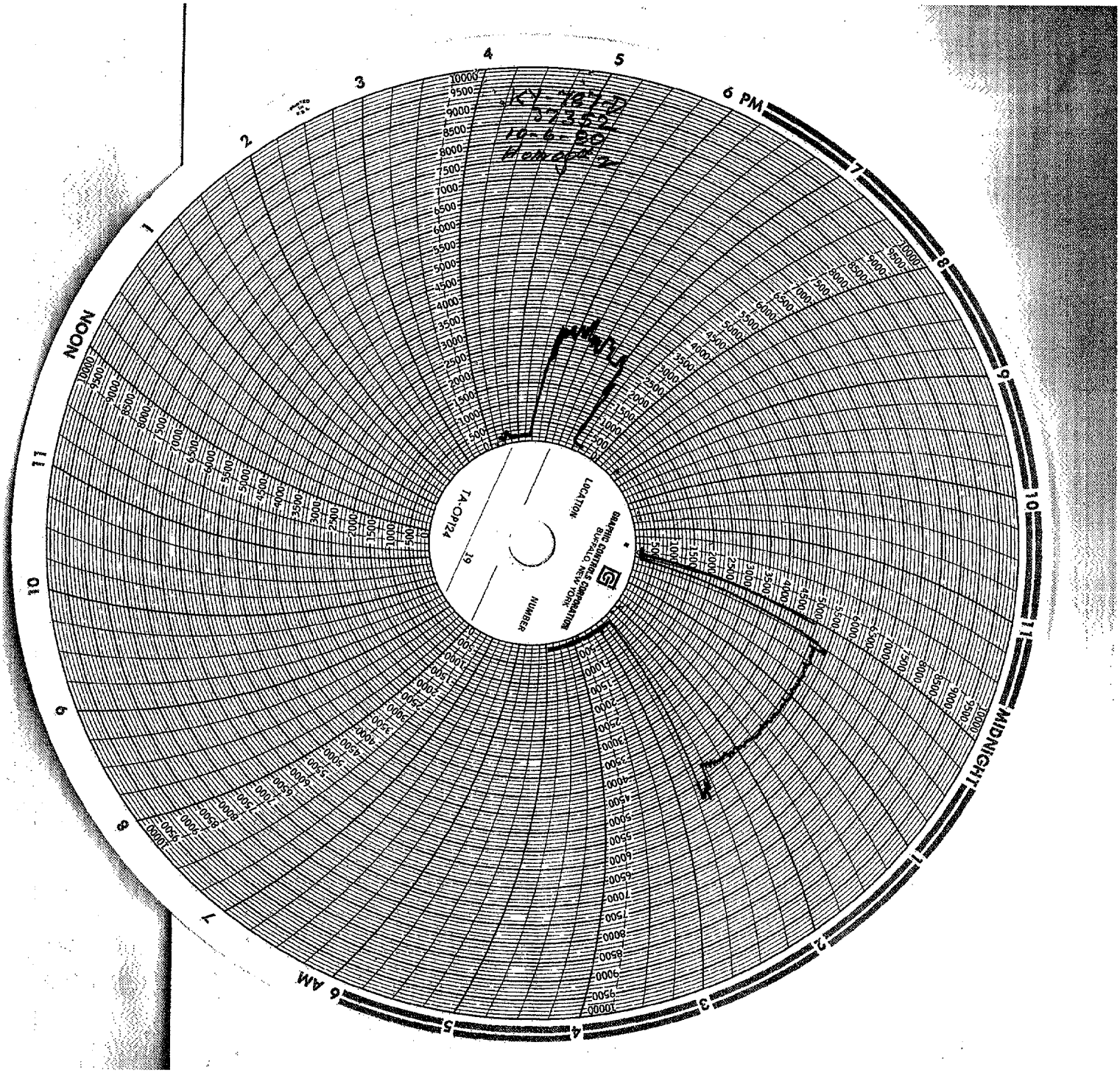

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