PUNCHED & CHECKED

S.V. ~~243, 244, 246, 247~~ 262 C.V. D.V. INSTRUCTIONS: BATCH UNIT

MAY - 5 1980

CG 03 CODE KY-795-D PKG. ____

→ APR 25 35558

EST. WGT. ~~1178~~ 938 LBS.

STD. HRS. 11.1 TIME ____ M

PROCESSES		APPROVED BY
( ) KY-795-D	(I)	EWK 10/5/76
( ) ALTERNATE	( )	DCG 10/7/76
( )	( )	MTW 10/11/76
( )	( )	
TYPED BY NE 3/3/77		

7:AM O/L LP

14 YC-2-B 93 4 Lot 24472, 3100

14 YC-2-B 93 4 Lot ____, ____

14 YC-2-B 93 4 Lot ____, ____

Homog #4 — 1st Pass
#3 — 2nd "

Total Wgt. ~~4878#~~ 4638 V-262 NON-BLEEDING

EQUIPMENT		NAME: (9906) "KROLOR" YELLOW - MEDIUM	USE LBS.	N CODE	ACCT. LBS.
203 & 205 1	1	Run ~~26" (418 G)~~ water in V-203. RUN V-203 AGITATOR ON HIGH SPEED			
	2	Weigh in drum & pour in	500	32-D	500
	3	Dump in & stir 5 min Lot 24472	74x50 3700	YC-2-B	3700
		Record: Start 6:20 PM Fin 7:45 PM			
		25" (1275 G)			
	4	Adj to ~~78" (1328 G)~~			
	5	Pump V-203 thru Homog # 3 at 1800-2200 psi into V-205			
	6	When V-203 MTY wash color thru Homog at 1800-2200 psi using minimum water			
	7	Record: V-205 Vol 45 " & adj to 51" (1874 G)			
	8	Inspect homog. strainer & clean if necessary			
		DURING Homog, RUN V-203 AGITATOR ON LOW SPEED			
SV & 205 2	9	Run 5 "(514 G) water into V-262 install temp charts & start agitator			
	10	Pump V-205 thru Homog at 4800-5200 psi into SV			
		Record: Time Start 3:00 AM Total Min 165			
		Note: If Homog pressure falls below 4800 psi 3-way valve will recirculate slurry to V-205			
	11	When V-205 MTY run in 5" (240 G) water & pump thru Homog at 4800-5200 psi			
349 & 384 3	12	While Homog, run 6" (284 G) water into V-349			
	13	Run ± 1000# water into V-384 & heat to 110-120°F			
	14	Weigh into V-384 & pump to V-349	~~2890~~ 2000	32-D	~~2890~~ 2000
	15	Run ±1000# water into V-384 & pump to V-349			
	16	Adj V-349 to 29" (1372 G) & stir 15 min or longer			
	17	Record: ~~Be'~~ g/mL 1.050 ~~(9.05 ± 0.2)~~ (1.049 - 1.051)			
SV 4	18	When S 11 Homog complete, adj. to 25 " ~~(1495 G)~~ (#9661)			
	19	Record: pH 10.0 & adj to 11.1-11.3 using N-7-D diluted to 5% (10 parts water to 1 part N-7-D) Assume 50%	36	1-D	18
		Siphon into SV & Record: pH 11.1			
	20	Heat to 190-194°F in 55-65 min & Record: HT ____°F & Rec ____°F			
		Note: Strike must be started immediately on completion of heating			
343 & 386 5	21	While heating SV, run 69" (1898 G) water into V-343			
	22	Meter in from V-386 M 80 , 9.502 #/Gal 329 Gal		27-D	~~416~~ 312
	23	Stir 15 min or longer			
	24	Record: ~~Be'~~ g/mL 1.012 ~~(2.3 ± 0.1)~~ (1.010 - 1.012)			
SV 6	25	When S 20 heating complete Record: pH 9.7 (9.5-10.0)			
	26	Set V-343 acid pump at 96 setting (±225 min)			
	27	Set V-349 Silicate pump at 82 setting (± 180 min)			
	28	Immediately meter in V-343 & V-349. Maintain SV at 190-194°F during strike			

13829 REV.

V-262

EQUIPMENT		PAGE 2 CG 03 CODE KY-795-D(I) ALT EST. WGT. 4878 LBS.	USE LBS.	N CODE	ACCT. LBS.
SV 6 Cont.	29	Record: Start Finish Minutes			
		V-343 740			
		V-349 740			

Record:	Time	V-343 in	V-349 in	SV pH	Normal pH
at 20 min	8:00	(64)	(26)	9.2	9.0-10.0
40 min	8:20	(58)	(23)	9.2	9.0-10.0
1 hr	8:40	(51)	(19)	9.2	9.0-10.0
2 hrs	9:40	(33)	(10)	9.2	9.0-10.0
3 hrs	10:40	(14)	(0)	9.0	9.0-10.0
Finish	11:25	(0)	—	7.1	7.5-8.5

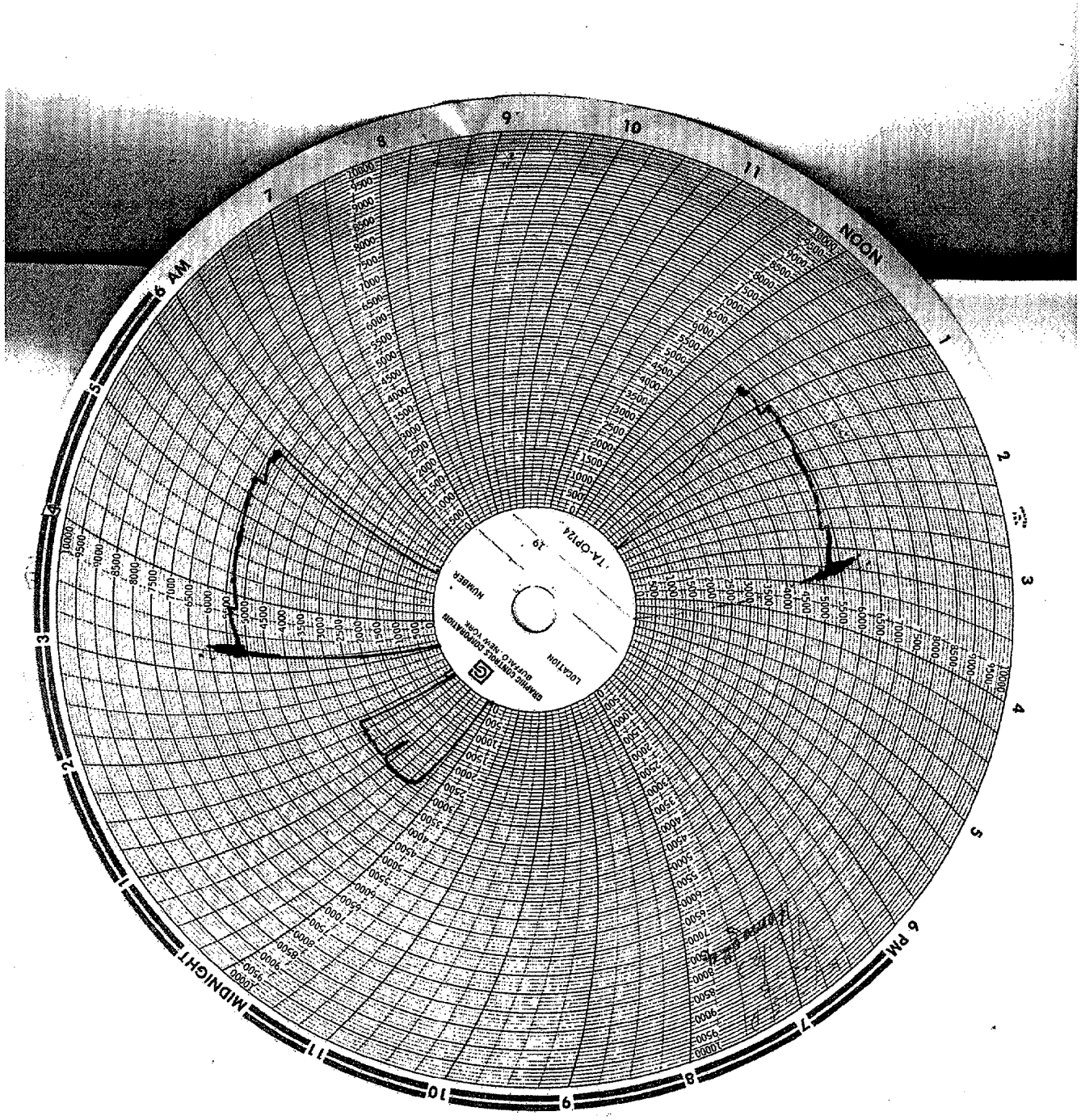
Note: If pH drops below 9.0 in 1st. hr. stop pumps & see Supv.
If pH, above 8.5 at final adj to 7.5-8.5
Record: pH Assume 77% — 27-D

~~357~~ 356	30	Run 15" (108 G) water into V-357 & heat to 135-140°F			
	31	Dump in & stir to dissolve for S 38	220	15-A	220
Drum 8	32	Weigh into 55 Gal Drum Assume 50%	60	7-D	30
	33	Fill with water & stir 2 min for S 40			
SV	34	When V-349 MTY, rinse in with minimum water then set pump to zero setting			
	35	When V-343 MTY, rinse in with minimum water then turn off pump motor			
9	36	Turn off steam			
	37	Sift in 3 bags	150	128-A	150
	38	Run in V-357 from S 31 & stir 5 min			
	39	Record: pH 3.6 (3.3-3.7) & if necessary adj (down only) to 3.3-3.7 & Record: pH		15-A	
		Note: Dissolve extra N-15-A in water at 135-140°F in drum. Use ± 40 Gal water to 50# N-15-A. Stir SV 5 min after each addition.			
	40	Siphon in N-7-D from S 33 in 4-6 min & stir 5 min			
	41	Record: pH 4.0 (4.0-4.2) & if necessary adj to pH 4.0-4.2 & Record: pH Assume 77%		27-D	
		(Dilute 10 parts water to 1 part N-7-D) Assume 50%		7-D	
		Siphon N-7-D into SV			
	42	Pour in & Stir 15 min	45	978-A	45
	43	Stop agitator			

	Start	Fin	Optr
	11:00P	7:00AM	235-320
			381-223
4-30-80	11:00P	7:00AM	235-323
	7AM	130	223-237

Step	V-262 (20 RPM)	V-243, 244, 247
9	5"	10"
18	~~35"~~ 25"	~~68"~~ 50"

DUP050456678



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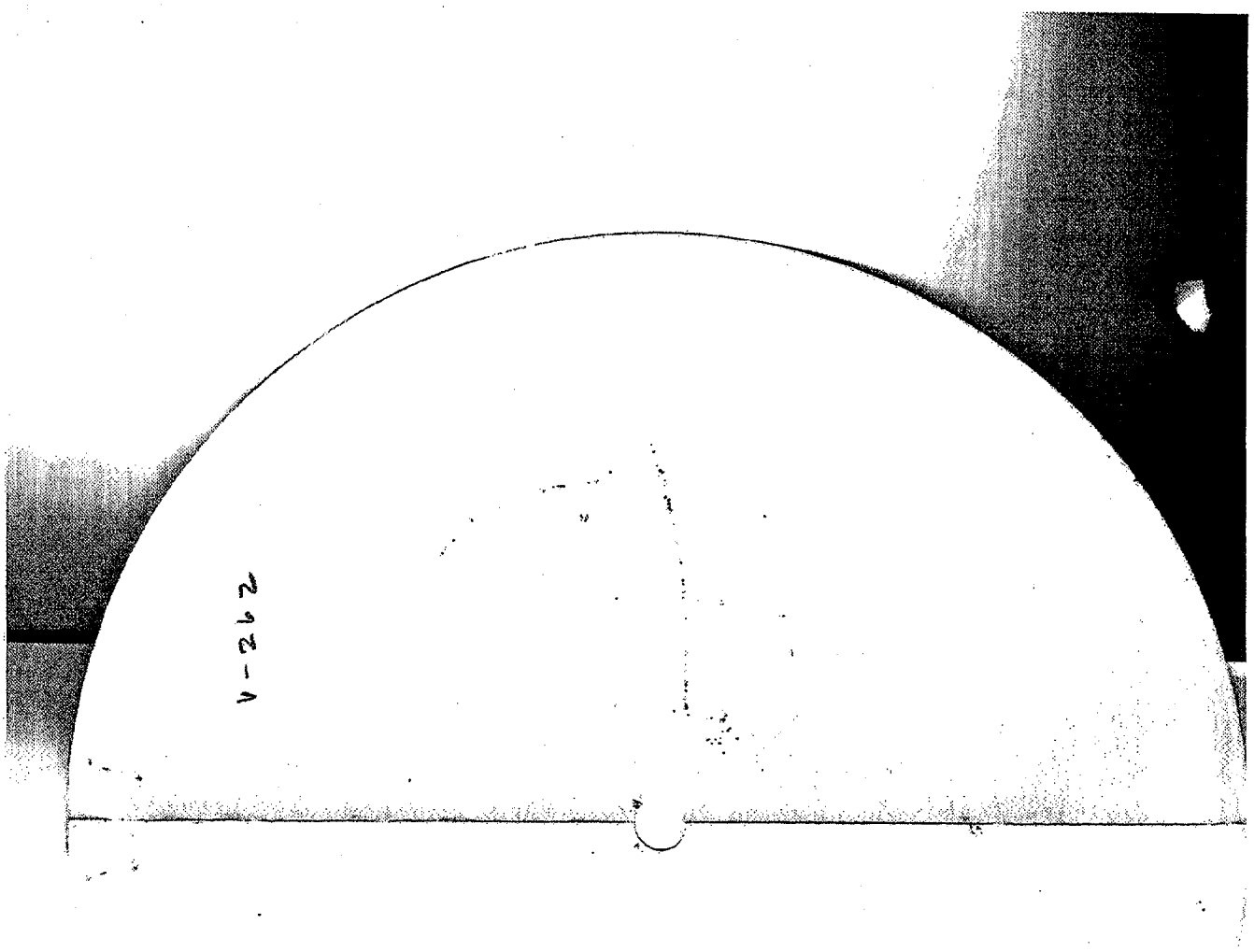

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