DEC 27 1976

C.V. 105, 106

MAKING INSTRUCTIONS: BATCH-UNIT

D.V. 300, 315, 317, 322, 323

PROCESSES		APPROVED BY
(n) YC-5-A	( )	EWK 9/23/76
( ) ALTERNATE	( )	DCGIO/ 6/76
( )	( )	MTW10/11/76
( )	( )	
TYPED BY NE 3/5/77		

CO 46 CODE YC-5-A PKG.

→ DEC29 33554

EST. WGT. ~~2500~~ 2450 LBS.

STD. HRS. 8.4 TIME 7A M

DO NOT USE N-157-C LOT 2

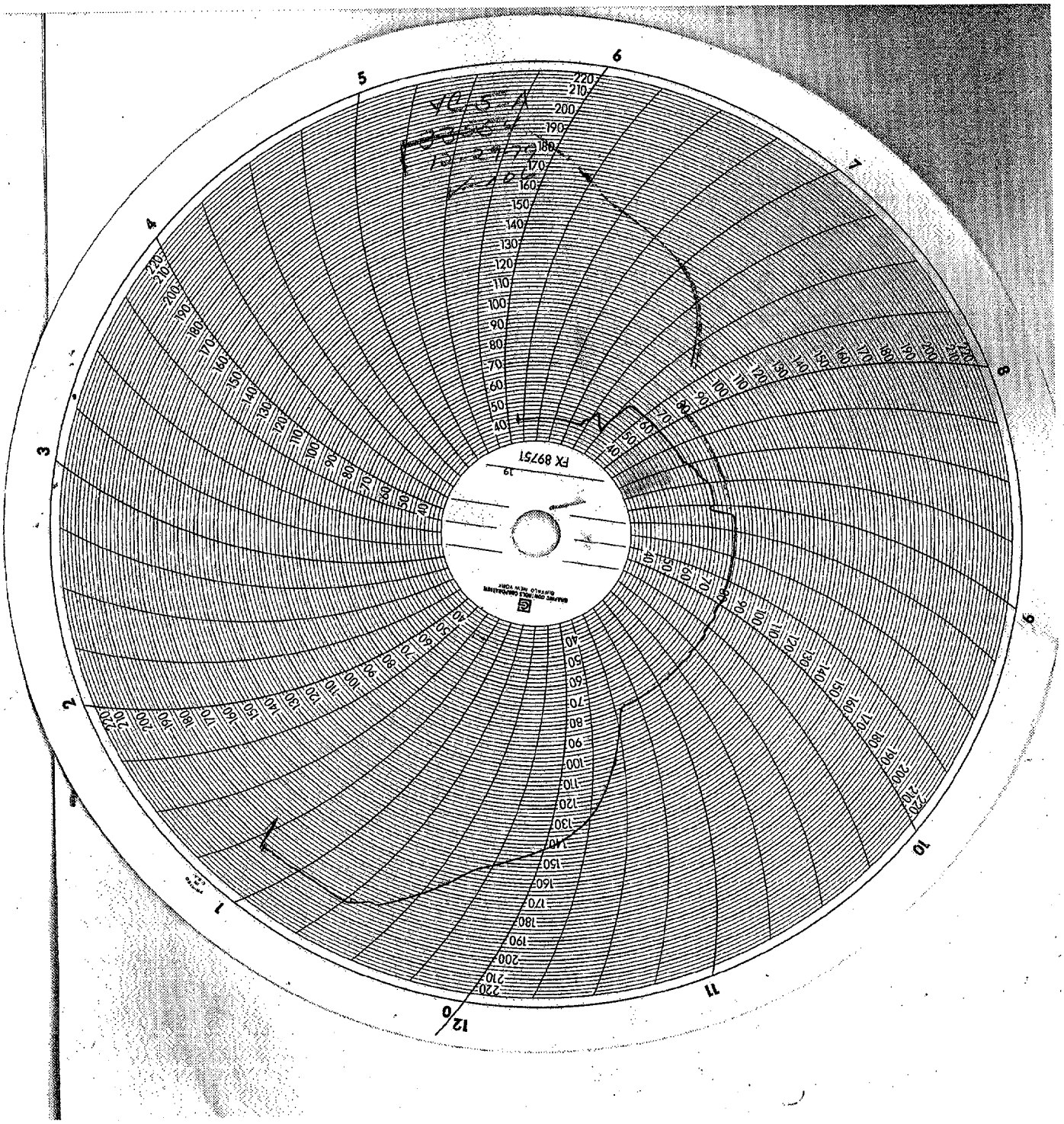
BLEEDING

PMENT		NAME: "DALAMAR" YELLOW	USE LBS.	N CODE	ACCT. LBS.
rep 1	1	Obtain for S 6 DO NOT USE LOT 2.		157-C	
	2	Obtain for S 23		46-C	
	3	Clean, Dress, Close 24" clarif press - 15 Frames EAST			
DV 2	4	Run 12" (292 G) water into V-300			
	5	Weigh in from V-324 M 7 , 31.42 %	1613	28-D	507
	6	Dump & rinse in drums from S1		157-C	1079
		Lot # 100% %			
		162 98 49.2	200		
		162 100 49.8	200		
		162 92 46.0	200		
		162 108 54.0	200		
		162 103 51.4	200		
		162 93 46.8	200		
		162 91 45.4	200		
		162 95 47.4	200		
		163 104 52.0	200		
		161 103 51.8	199		
		162 61 31.0	120		
	7	Stir 10 min or longer to wet			
	8	Add DV to 43" (1466 G) at 28-32 °F 13	13X330	57-A	4290
	9	Siphon in in 12-15 min M 17 , 33.37 %	1392	725-A	458
	10	Stir 30 min at 28-32°F maintiting + CR; + KI for S13			
		Record: Time start 6:30Pm , CR + KI +			
		Note: (1) CR-, KI - Add 20#"As is" increments Assume 32%		28-D	
		Record: CR (+); KI (+)			
		(2) if CR +, KI - Add20# "As is" increments Assume 33%		725-A	
		Record: CR (+), KI (+)			
Misc 3	11	Slurry in 50 gal water in drum & precoat clarif press with	5	777-A	5
	12	Slurry in 20 gal water in drum for S 20	94	39-A	94
DV 4	13	When S 10 stir complete, dumpin	10	777-A	10
	14	Dumpin	15	113-A	15
	15	Stir 30 min at 28-32°F maintaing +CR; + KI for S21			
		Record: time start 7:00Pm CR + KI +		57-A	
		Note: (1) if CR-, KI-add 20# "As is" increments Assume 32%		28-D	
		Record: CR (+) KI (+)			
		(2) if CR + KI- add 20# "As is" increments Assume 33%		725-A	
		Record: CR (+) KI (+)			

28 REV.

IPMENT		PAGE 2 CG 46 CODE (D)YC-5-A ALT EST. WGT. 2131 LBS.	USE LBS.	N CODE	ACCT. LBS.
CV 5	16	Run 12" (1165 G) water into V- 106 & install temp chart			
	17	Pour in M 12 , 49.34 %	1072	7-D	514
	18	Adj to 43" (4175 G) at 66-70 °F	~~3x330~~	57-A	
	19	Close stack Damper			
	20	Pour in N-39-A slurry from S 12 & Stir for S 23			
DV 6	21	When 15 stir complete test DV & Record:			
		CR + (+); KI + (+); Temp 29 28-32°F			
		Note: (1) if CR-KI- add 20# "As Is" increments Assume 32%		28-D	
		Record: CR (+); KI (+)			
		(2) if CR+KI- add 20#"As Is" increments Assume 33%		725-A	
		Record: CR (+); KI (+)			
	22	Pump DV thru clarif press into V- 215 maintaining 1	2x330	57-A	830
		Temp at 28-32°F Record: time start 7:45PM Total min 95			
CV 7	23	Dump into CV from S2 Lot #100 % %		46-C	1426
		Note: break up lumps 91910 800 93.2	840		
		91920 200 93.8	209		
		91950 400 93.6	428		
		91290 26 93.8	26		
	24	Stir 10 min to dissolve			
	25	Open stack Damper			
	26	Run in undersurface in 20-25 min M 16 , 73.36 %	1074	30-D	788
	27	Stir 5 min & Record: pH 6.0 (5.8-6.3)			
	28	If necessary, adj to pH 5.8-6.3 & Assume 50%		7-D	
		Record: pH (5.8-6.3) Assume 77%		30-D	
DV 8	29	When S 22 clarif complete, wash DV (S 4) lines, pump & press for 20 min or to a -cr test on a sample of Total press effluent whichever comes first. collect washings in DV (S 22)			
		Record: time start 9:20PM CR ST (- or +)			
	30	Stir 5 min & record: Temp 32 (28-32°F) & if necessary adj to 28-32°F. Record: °F		57-A	
	31	Record: Vol 58 "			
CV 9	32	When S 31 complete, adj CV to 50" (4855 G) at 80 - 84°F			
	33	Check accuracy: HT 82 °F & Recorder 81 °F			
	34	Immediately run in DV thru undersurface distributor in 60-65 min, maintain CV at 80-84°F			
		Record: Time start 9:50PM Total Min 65			
	35	Stir 10 min			
	36	Record: Daizo — (-) Base + (+) pH 4.3 (4.3-4.7)			
		Note: (1) If Diazo +, Base - & pH below 4.3, adj to pH 4.3-4.7 Record: pH Assume 50%		7-D	
		(2) if Diazo +, Base - & pH above 4.3, add 8# 100% Assume 50%		7-D	
		N-7-D to A 55 Gal drum Adj with water to ± 25 Gal.			
		Add 20# 100% N-46-C & stir to dissolve. Pourin CV & stir 10 min		46-C	
		(3) Repeat above AS necessary to - diazo, + Base			
	37	Heat to 190-194°F in 58-62 min			
	38	Stir 30 min at 190-194°F Record: Time Start 12:45 AM			
	39	Flood to 94" (9174 G) & stop Agitator			

START	FIN	OPTR
3:00PM	11:00PM	409-313
11:00pm	1:30 AM	101



DUP050293424

N33139.01