

YC-13-A

C.V. 105, 106

MAKING INSTRUCTIONS: BATCH UNIT

D.V. 300 315 317, 322, 323

CG 46 CODE YC-13-A PKG.

DEC 28 80 38213 JAN 5-1981

EST. WGT. 2736 LBS.

STD. HRS. 8.8 TIME M

PROCESSES		APPROVED BY	
() YC-820-D	(D)	EWK 10/ 4/76	
(B) YC-13-A	()	DCG 10/ 6/76	
()	()	MTW 10/11/76	
()	()		
TYPED BY			
NE 3-11-77			

B.O.V-300 + 315 202000

PUNCHED & CHECKED N-3 THRU PAGES

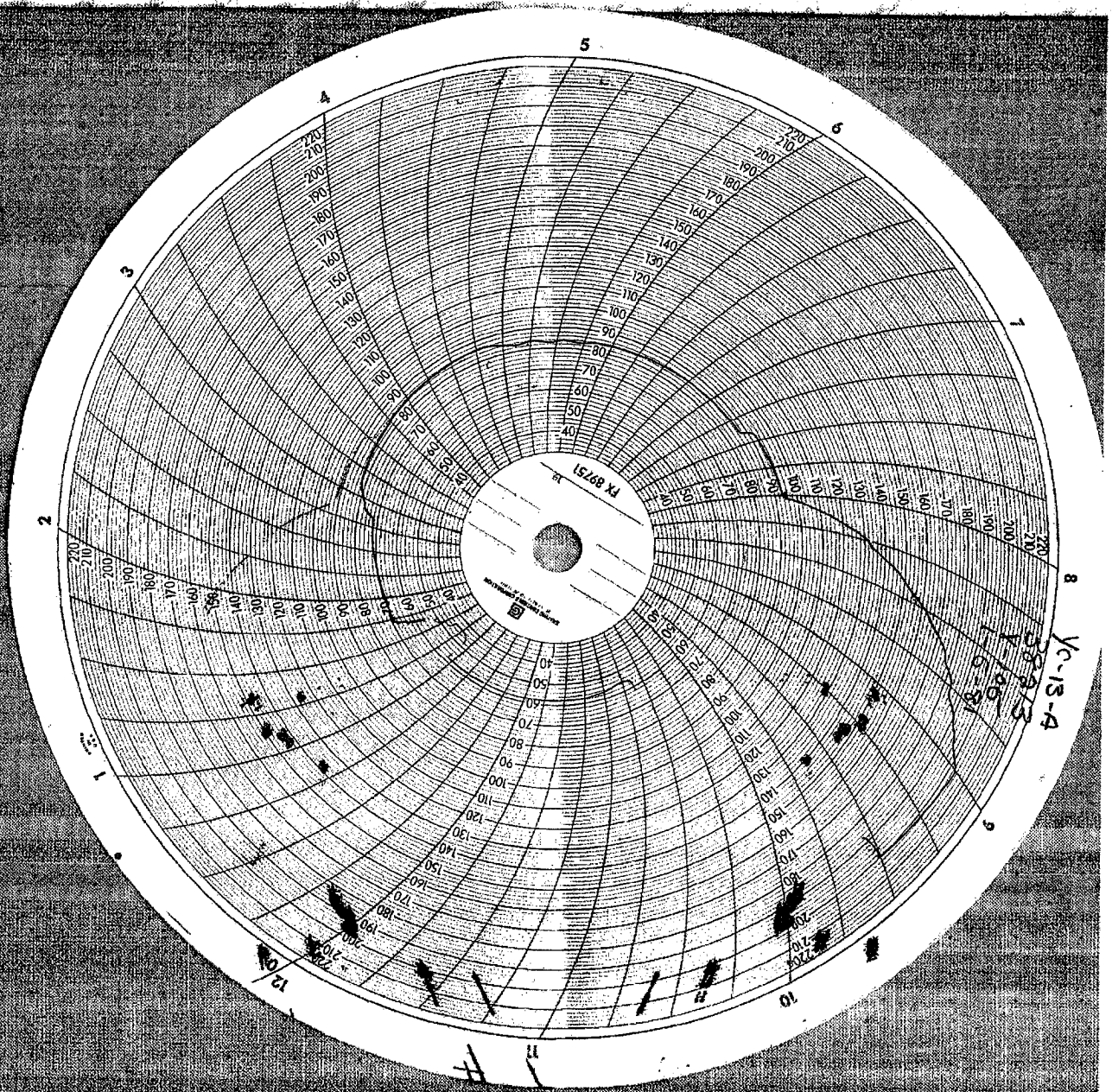
BLEEDING

IPMENT	NAME: "DALAMAR" YELLOW - R	USE LBS.	N CODE	ACCT. LBS.
Prep 1	1 Obtain for S6		196-C	
	2 Obtain for S 22		46-C	
	3 Clean, dress, close 24" clarif press - 15 frames EAST			
DV 2	4 Run 17" (595 G) water into V- 300			
	5 Weigh in from V-324	M 13 .31.50%	28-D	559
	6 Dump in from S1	100% Lot % 176 304 70.4 250	196-C	1190
		123 306 70.0 175		
	7 Stir 10 min or longer to Wet			
	8 Adj DV to 33" (1155 G) at 28-32 °F		11x330	57-A 3630
	9 Siphon in in 12-15 min	M 13 .33.9%	725-A	495
	10 Stir 30 min at 28-32°F Maintaining + CR, + KI for S 12			510
	Record: Time start 12:40 P, CR + (+), KI + (+)			
	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 (+)			
Misc 3	11 Slurry in 40 gal water in drum & Precoat clarif press with	5	777-A	5
DV 4	12 When S 10 stir complete, Dump in	15	113-A	15
	13 Dump in	10	777-A	10
	14 Stir 30 min at 28-32°F maintaining + CR, + KI for S 20		57-A	
	Record: Time start 1:10 AM, CR + (+), KI + (+)			
	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 (+)			
CV 5	15 Run 10" (970 G) water in to V-105 & install temp chart			
	16 Pour in	M 1 .50.20%	7-D	569
	17 Adj to 40" (3880 G) at 66-70 °F		3x330	57-A
	18 Close Stack Damper			
	19 Stir for S 22			
		USE		
	100% Lot % 171 304 68.4 250			
	126 305 71.8 175			
	123 305 70.4 175			
	178 304 71.2 250			
	123 305 70.2 175			
	70 306 69.2 99			

UIPMENT		PAGE 2 CG 46 CODE YI-820-D (D) EST. WGT. 2736 LBS.	USE LBS.	N CODE	AC LBS.
DV 6	20	When S 14 stir complete, test DV & Record: CR + (+), KI + (+), Temp: 30 28-32°F Note: (1) If CR-, KI- add 20# "As Is" increments Assume 32 % Record: CR (+), KI (+) (2) If CR+, KI- add 20# "AS Is" increments Assume 33 % Record: CR (+), KI (+)		57-A 28-D 725-A	
	21	Pump DV thru clarif press into V-315 Maintaining Temp at 28-32°F Record: Time start 1:50 AM Total min 153 (See attached Note)	2x330	57-A	660
CV 7	22	Dump into CV from S 2 Lot # 100 % 01440 600 95.0 632 01550 800 95.0 842 01400 145 98.6 147		46-C	1547
	23	Stir 10 min to Dissolve			
	24	Open stack Damper			
	25	Run in under surface in 20-25 Min M 19 .82.55 % 1055		30-D	871
	26	Stir 5 min & Record: pH 6.3 (5.8-6.3)			
	27	If necessary, adj to pH 5.8-6.3 & Assume 50% Record: pH (5.8-6.3) Assume 77%		7-D 30-D	
DV 8	28	When S21 Clarif complete wash DV (S4) lines, Pump & press for 20 min or to A- CR test on a sample of total dress effluent, whichever comes first, collect washings in DV (S 21)			
	29	Stir 5 min & record: Temp 28 (28-32°F) & 57-A If necessary, Adj to 28-32°F Record: °F			
	30	Weigh in rubber bucket & wash into DV		395-D	15
	31	Stir 5 min & Record: KI (-)			
	32	If necessary adj to - KI & Record: KI (-)		395-D	
	33	Record: Vol 60			
Misc 9	34	Weigh in drums for S 41 M 1 .50.20 % 671		7-D	337
	35	Dissolve in 20 gal water in Drum for S 43	50	979-A	50
CV 10	36	When S 33 complete, adj CV to 43" (4197 G) at 80-84 °F			
	37	Check accuracy: HI 84 °F & Recorder 86 °F			
	38	Immediately run in DV thru undersurface distributor in 60-65 min. Maintain CV at 80-84°F Record: Time start 4:45 AM Total min 63			
	39	Stir 10 min			
	40	Record: Diazo - (-) Base + (+), pH 4.5 (4.3-4.7) Note: (1) If Diazo +, Base - & pH below 4.3, adj to pH 4.3-4.7 Record: pH Assume 50% (2) If Diazo +, Base- & pH above 4.3 add 8# 100% Assume 50% N-7-D to A 55 gal drum. Adj with water to ± 25 gal. Add 20# 100% N-46-C & stir to Dissolve, Pour in CV & stir 10 min (3) Repeat above as necessary to - diazo, + Base		7-D 7-D 46-C	
	41	Pour in N-7-D from S-34			
	42	Stir 5 min & Record: pH 6.1 (7.1-9.0) & Assume 50% If necessary, adj to pH 7.1-9.0 Record: pH 7.4 Assume 32%	30	7-D 28-D	15
	43	Dump in N-979-A from S 35			
	44	Heat to 200-204°F in 58-62 min			
	45	Stir 30 min at 200-204°F Record: Time start 9:00 AM			
	46	Flood to 94" (9174 G) & stop agitator			
		Start Fin Opter			
		8:30 AM 11:00 AM 301			
		11:45 AM 2:00 AM 144			
		7:00 AM 9:40 AM 201			

Dalamar Clarification

When pumping thru press,
check effluent from press —
must be yellow & clear. If not,
notify Supervisor ⁶⁷⁴
150
921



DUP050291971

N 31764.02