MAKING INSTRUCTIONS: BATCH UNIT

V. C.V. 105, 106 D.V. 300, 315, 317, 322, 323

CG 46 CODE YC-11-A PKG. _____

→ NOV 19 80 37976

EST. WGT 1700 ~~2000~~ LBS.

STD. HRS. _____ TIME 7P M

KI

PROCESSES		APPROVED BY
(D) YC-11-A	( )	EWK 9-27-77
( ) ALTERNATE	( )	BBK 10-17-77
( )	( )	DCG 11-29-77
( )	( )	MTW 12-1-77
TYPED BY		
JTC 12-8-77		

9 Jan

EAST-PRESS

use FLAKE CHOSTIE

NON-BLEEDING

UIPMENT		NAME: DALAMAR® YELLOW	USE LBS.	M CODE	ACCT. LBS.
Prep 1	1	Obtain for S 6		157-C	
	2	Obtain for S 22		46-C	
	3	Clean, dress, close 24" clarif press - 15 frames			
DV 2	4	Run 10" (323 G) water into V- _____			
	5	Weigh in from V-324 M _____, _____ %		28-D	458
	6	Dump & rinse in drums from S 1		157-C	974
		LOT # 100% %			
	7	Stir 10 min or longer to wet			
	8	Adj to 33" (1155 G) at 28-32°F	10 x 330	57-A	
	9	Siphon in in 12-15 min M _____, _____ %		725-A	~~405~~ 395
	10	Stir 30 min at 28-32°F maintaining + CR, + KI for S 12			
		Record: Time Start _____, 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%			
		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 28-32oF maintaining + CR, + KI for S 20		57-A	
		Record: Time Start _____, CR _____ (+), KI _____ (+)			
		Note:			
		(1) If CR -, KI -, add 20# "as is" increments Assume 32%		28-A	
		Record: CR _____ (+), KI _____ (+)			
		(2) If CR +, KI -, add 20# "as is" increments Assume 33%		725-A	
		Record: CR _____ (+), KI _____ (+)			

EQUIPMENT		PAGE 2 CG 46 CODE (D)YC-11-A Alt EST. WGT. 2238 LBS.	USE LBS.	N CODE	ACC LBS
CV 5	15	Run 10" (970 G) water into V- & install temp chart			
	16	Pour in M , %		7-D	466
	17	Adj to 40" (3904 G) at 66-70°F	3 x 330	57-A	
	18	Close stack damper			
	19	Stir for S 22			
DV 6	20	When 14 stir complete, test DV &			
		Record: CR (+), KI (+), Temp: (28-32°F)		57-A	
		Note:			
		(1) If CR-, KI-, add 20# "as is" increments Assume 32%		28-A	
		Record: CR (+), KI (+)			
		(2) If CR+, KI-, add 20# "as is" increments Assume 33%		725-A	
		Record: CR (+), KI (+)			
	21	Pump DV thru clarif press into V- maintaining temp	2 x 330	57-A	
		at 28-32°F Record: Time Start Total Min			
CV 7	22	Dump into CV from S 2 LOT # 100% %		46-C	1265
		Note: Break up lumps			
	23	Stir 10 min to dissolve			
	24	Open stack damper			
	25	Run in undersurface in 20-25 min M , %		30-D	713
	26	Stir 5 min & Record: pH (5.8-6.3)			
	27	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	28	When S 21 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 21)			
		Record: Time Start , CR (- or +)			
	29	Stir 5 min & Record: Temp (28-32°F) &		57-A	
		if necessary, adj to 28-32°F. Record: °F			
	30	Weigh in rubber bucket & wash into DV	10	395-D	10
	31	Stir 5 min & Record: KI (-)			
	32	If necessary, adj to -KI & Record: KI (-)		395-D	
	33	Record: DV "			
Misc 9	34	Weigh in drums for S 41 M , %		7-D	296
	35	Dissolve in 20 gal water in drum for S 43	62	979-A	62
CV 10	36	When S 33 complete, adj CV to 48" (4685 G) at 80-84°F)			
	37	Check accuracy: HT °F & Recorder °F			
	38	Immediately run in DV thru undersurface distributor in			
		60-65 min. Maintain CV at 80-84°F			
		Record: Time Start Total Min.			
	39	When S 38 complete, stir 10 min			

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EQUIPMENT		PAGE 3 CG 46 CODE (D)YC-11-A Alt EST. WGT. 2238 LBS.	USE LBS.	N CODE	ACC LBS
CV 10 Cont'd	40	Record: Diazo — (-), Base + (+), pH 4.3 (4.3-4.7)			
		Note:			
		(1) If Diazo +, Base -, and pH below 4.3:			
		(a) adj to pH 4.3-4.7 Assume 50%		7-D	
		(b) Record: pH			
		(2) If Diazo +, Base -, and pH 4.3 or above:			
		(a) add 8# 100% N-7-D to a 55 G drum		7-D	
		(b) adj with water to ± 25 G			
		(c) add 20# 100% N-46-C		46-C	
		(d) stir to dissolve			
		(e) pour into CV			
		(f) stir 10 min			
		(3) Repeat (1) & (2) above as necessary to - Diazo, + Base			
	41	Pour in N-7-D from S 34 & stir 5 min		721-D	62
	42	Record: pH 5.6 (8.0-8.5) & if necessary Assume 50%	62	~~7-D~~	~~62~~
		adj to pH 8.0-8.5. Record: pH 8.2 Assume 32%		28-D	
	43	Dump in N-979-A from S 35			
	44	Heat to 200-204°F in 58-62 min 945			
	45	Stir 60 min at 200-204°F. Record: Time Start 1 87 "			
	46	Flood to 170°F & stop agitator RECORD: VAT			

START	FIN	OPTR
11:00 P.M.	7:00 A.M.	347
7 AM	11 AM	120

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EQUIPMENT		PAGE 3 CG 46 CODE (D)YC-11-A Alt EST. WGT. 2238 LBS.	USE LBS.	N CODE	ACC LBS
CV 10 Cont'd	40	Record: Diazo (-), Base (+), pH (4.3-4.7)			
		Note:			
		(1) If Diazo +, Base -, and pH below 4.3:			
		(a) adj to pH 4.3-4.7 Assume 50%		7-D	
		(b) Record: pH			
		(2) If Diazo +, Base -, and pH 4.3 or above:			
		(a) add 8# 100% N-7-D to a 55 G drum		7-D	
		(b) adj with water to ± 25 G			
		(c) add 20# 100% N-46-C		46-C	
		(d) stir to dissolve			
		(e) pour into CV			
		(f) stir 10 min			
		(3) Repeat (1) & (2) above as necessary to - Diazo, + Base			
	41	Pour in N-7-D from S 34 & stir 5 min			
	42	Record: pH (8.0-8.5) & if necessary Assume 50%		7-D	
		adj to pH 8.0-8.5. Record: pH Assume 32%		28-D	
	43	Dump in N-979-A from S 35			
	44	Heat to 200-204°F in 58-62 min			
	45	Stir 60 min at 200-204°F. Record: Time Start			
	46	Flood to 94" (9174 G) & stop agitator			
		START FIN OPTR			

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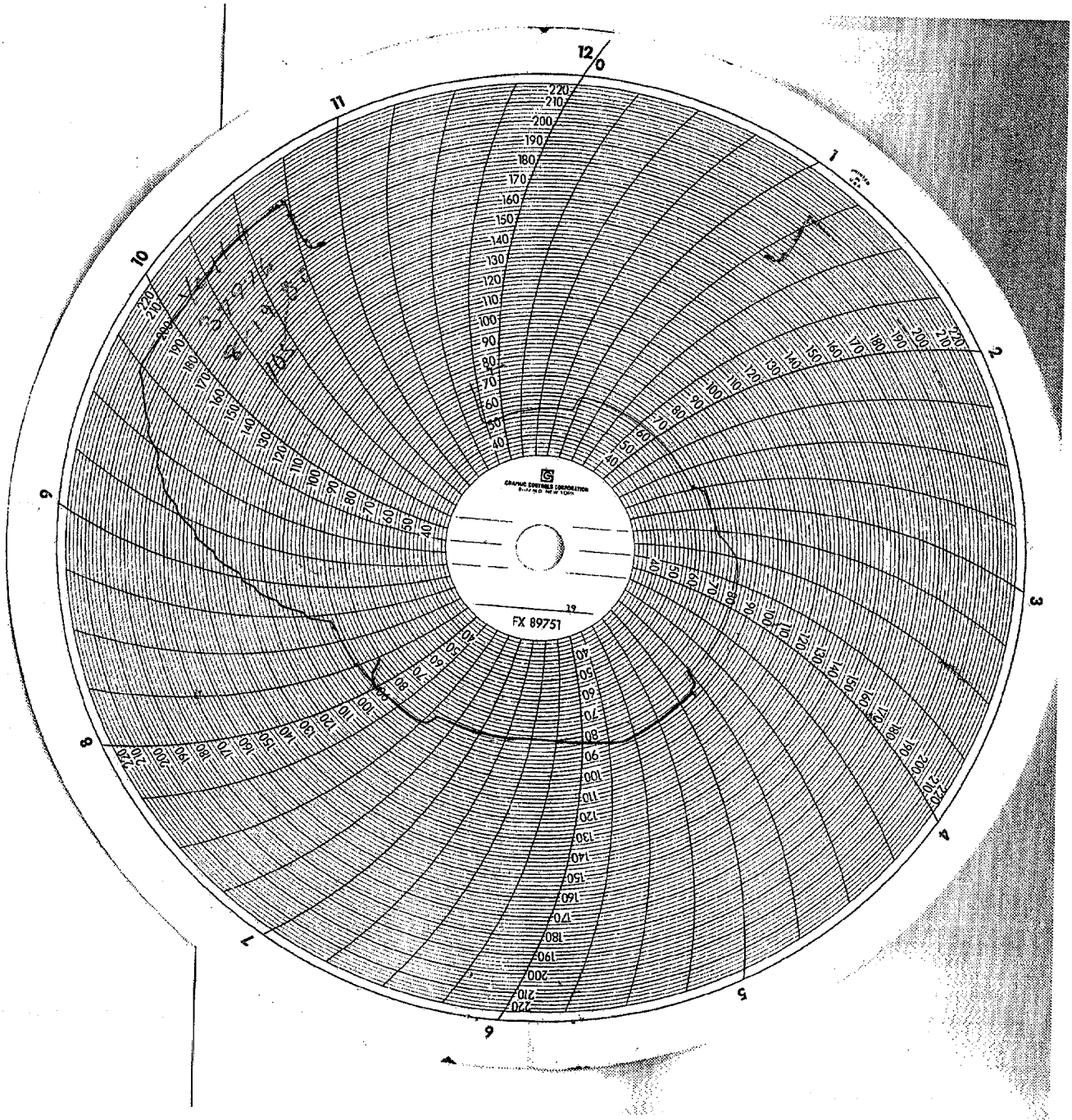

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