

CG 16 CODE RC-3-A PKG.

→ MAY -0-81- **21478**
EST. WGT. 1820 LBS.

STD. HRS. TIME M

PROCESSES		APPROVED BY
(C) RC-3-A	()	BBK 03-11-77
()	()	DCG 05-20-77
()	()	MTW 06-06-77
()	()	
TYPED BY		
emw060877		

NON-BLEEDING

EQUIPMENT	NAME: MONASTRAL® RED B	USE LBS.	N CODE	ACCT LBS.
Prep 1	1 Install Temp & Amp charts			
	2 Weigh ±600# of RC-1/RC-3 Borax Sludge for S 5			
	3 Dip liquid from sludge & add to classifier intake			
	4 Obtain ±200# chopped ice for S 13-B			
HF Mill 2	5 Shovel 600# of Borax Sludge (equivalent to ±300# 100% Borax) into HF Mill			
	NOTE: Total Weight includes liquid removed in S 4			
	6 Add	18	834-B	0
	7 Start cooling water spray			
	8 Stir 3-5 min to uniformity			
	9 Stop agitator & dump in	130	7500-A	0
	NOTE: Record Lot, #100%, & "As Is Lbs" in S 35			
	10 Stir 3-5 min to uniformity			
	11 Add in 5-10 min while agitating	300	972-A	0
	12 Immediately start milling cycle			
	13 Stir 4 hrs, maintaining 38-42 Amps & 110-130°F			
	N-7500-A Lot	Milling Hours		
	<i>any</i>	<i>4.0</i>		
Class 3	A. After ½ Hr milling add N-972-A or trickle in water to maintain 38-42 Amps. Do not add N-972-A at less than 10 min intervals. Record additional N-972-A used in S 35			
	B. If necessary, add N-57-A to maintain 110-130°F			
	C. If cake forms stop agitator, scrape mill wall to permit heat transfer			
	D. Record necessary data in S's 19, 20, 35, & Pg 4			
Shriv 4	14 During S 13 stir, hook up lines from Borr Classifier to V-10			
	NOTE: Feed valve must be closed			
HF Mill 5	15 Obtain two 55 gal drums for S 27			
	16 Set up 20 plates each in No. 1 & No. 2 Shriver Thickeners			
HF Mill 5	17 Add 5-10 gal water to HF Mill. CAUTION: Too much water will cause charge to splash over edge of mill			
	18 Stop agitator & turn off cooling water			

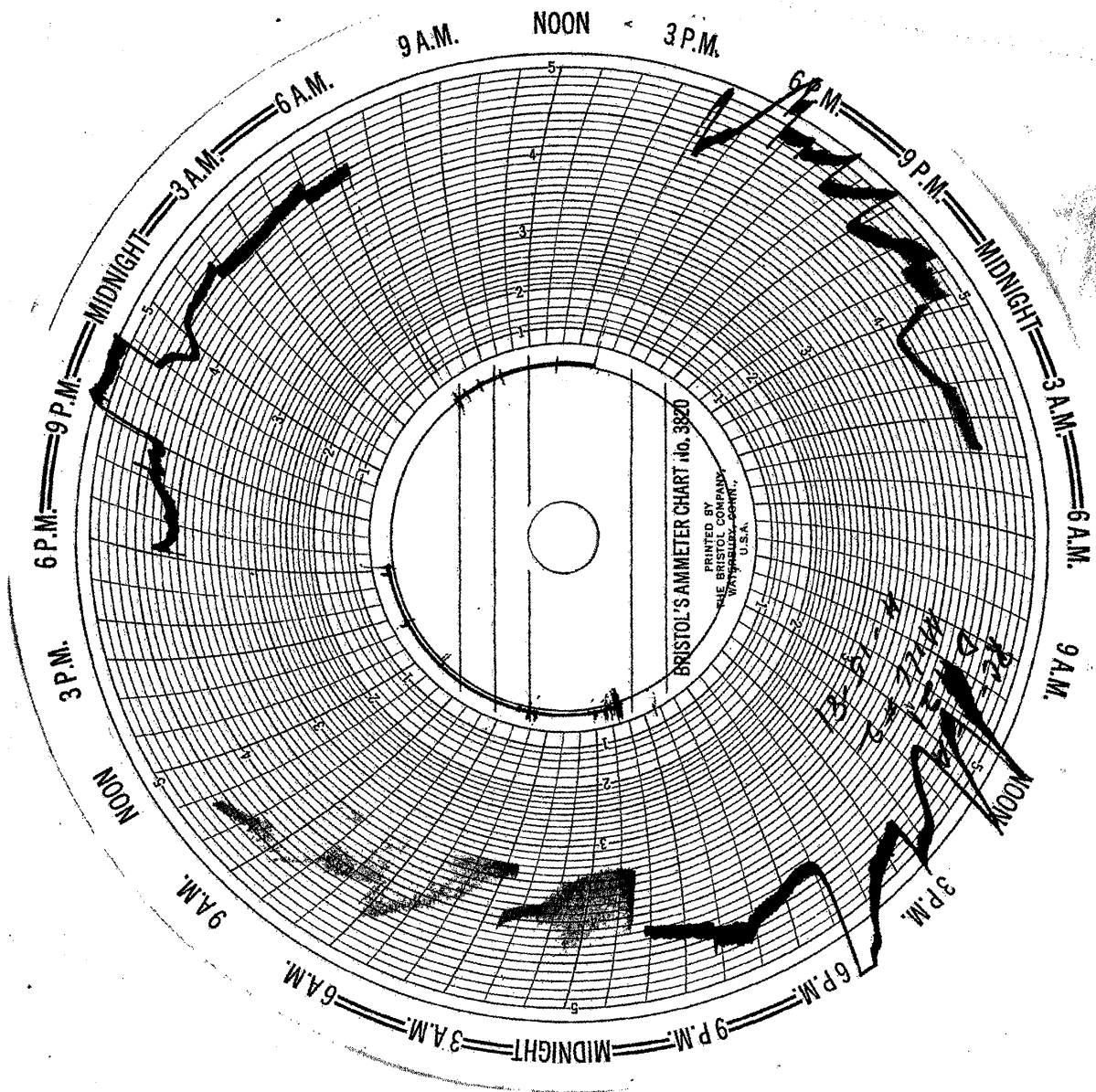
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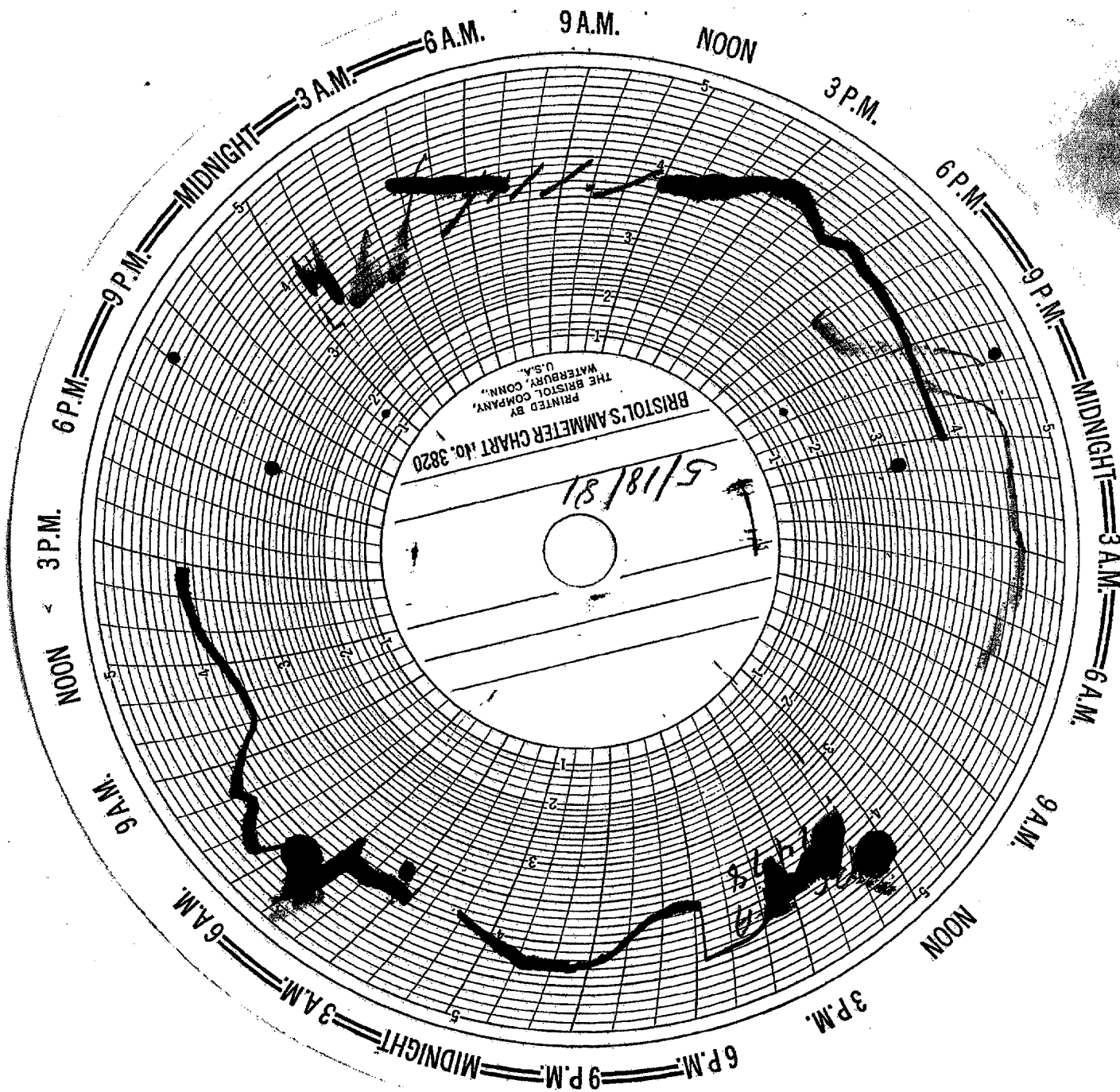
EQUIPMENT	PAGE 2 CG 16 CODE (C) RC-3-A	EST. WGT.	LBS.	USE LBS.	N CODE	ACC LBS		
Misc 6	19	Record:						
		Chg No	Date, Start	Time Start	Date Fin	Time Fin	Tot Milling Hrs	
		1	5/15/81	12:30 AM	5/15/81	4:30 AM	4 HRS	
		2	5/15/81	12:30 AM	5/15/81	4:30 AM	4 HRS	
		3	5/15/81	1:00 AM	5/16/81	5:00 AM	4 HRS	
		4	5/15/81	1:12 AM	5/16/81	5:00 AM	4 HRS	
		5	5/15/81	12:28 AM	5/15/81	4:30 AM	4 HRS	
		6	5/15/81	12:28 AM	5/15/81	4:30 AM	4 HRS	
		7	5/15/81	12:15 AM	5/15/81	4:15 AM	4 HRS	
		8	5/15/81	12:15 AM	5/15/81	4:15 AM	4 HRS	
		9	5/15/81	6:45 AM	5/15/81	10:45 AM	4 HRS	
		10	5/15/81	6:45 AM	5/15/81	10:45 AM	4 HRS	
		11	5/19/81	11 PM	5/19/81	5 PM	4 HRS	
		12	5/19/81	1:2 PM	5/19/81	5 PM	4 HRS	
		13	5/19/81	7:15 PM	5/19/81	11:15 PM	4 HRS	
	20	Record accuracy once per shift while milling						
		Date	Time	Chg No	Ammeter Amps	Recorder Amps	HT OF	Record OF
		5/15/81	2:30	127	42 - 42	44 - 43		123 - 125
				57%				
		5/15/81	2:30	729	38 - 39	42 - 40		123 - 119
		5/19/81	10:30	1314	40 - 40	40 - 40		124 - 115
11 7	21	Add 10" (122 G) water to V-11						
	22	Heat to 140-150°F for S 24						
13/14 8	23	Pump 2 charges from HF Mills to V-13 or V-14						
	24	Wash out HF Mills, with heated water from V-11						
	25	Adj to 24" (408 G) at 140-150°F						
	26	Immediately cool to 75-80°F					6 x 330	57-A 0
	27	Record data on S 35 bottom of Page 3						
Class 9	28	Back wash lines from classifiers to V-13 or V-14						
	29	Place 55 gal drum under sludge discharge & start motor						
	30	Open inlet valve & run V-13 or V-14 thru classifier to V-10 at 2.5-3.0 GPM						
	31	When drum contains ±45 gal of sludge, change drum, weigh & Record in table on bottom of Page 3						
	32	When V-13 or V-14 is MT, close feed valve & backwash line to vat for 1/2 min						
	33	Open feed valve & drain vat to classifier. Do not wash in vat NOTE: 4 or fewer HF mill charges may be run from V-13 or V-14 without treatment or classification Record: Charge No.						
Misc 10	34	Repeat S's 1-23 until 14 charges are collected CAUTION: After 9th charge, watch volume in V-10						

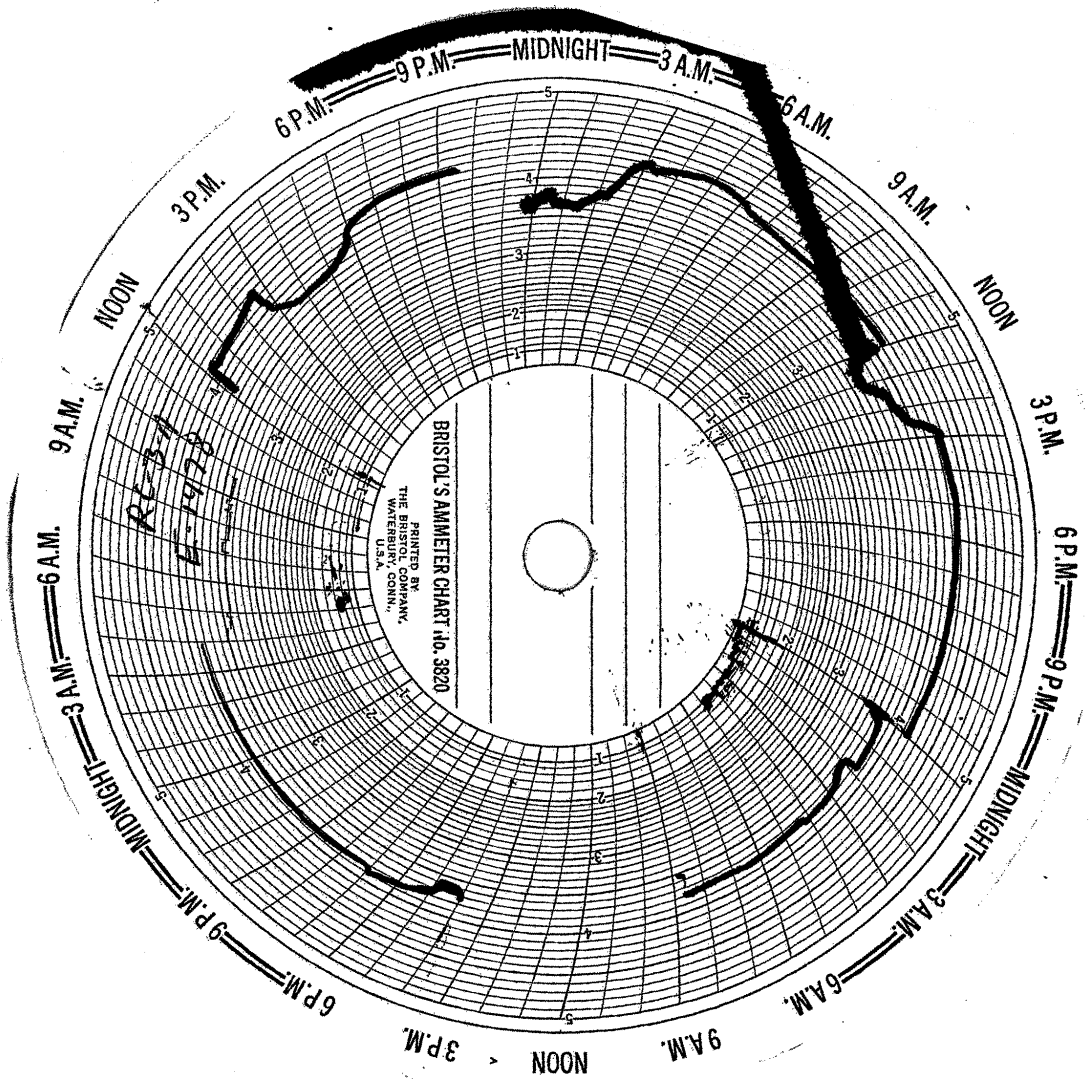
EQUIPMENT	PAGE 3	CG 16	CODE (C)	RC-3-A	EST. WGT.	LBS.	USE LBS.	N CODE	ACC LB.					
MISC 11	3	Charge out Raw Materials below												
		Chal Mill	N-834	Rec Sludge	N-972	N-7500-A	N-57-A	Optr						
		No	No	#	#As Is	#100%	#	Lot	#100%	%	#As Is	#	No	
		1	1	18	600	300	300	7165	130	99.6	130	2310	438	
		2	2	18	600	300	300	7165	130	99.6	130	438		
		3	1	18	600	300	300	7165	130	99.6	130	2310	105	972-A 4200
		4	2	18	600	300	300	7165	130	99.6	130	105		
		5	2	18	600	300	300	7147	130	99.9	130	2310	348	834-B 252
		6	2	18	600	300	300	7147	130	99.9	130	2310	348	
		7	2	18	600	300	300	7147	130	99.9	130	2510	114	7500-A 1820
		8	2	18	600	300	300	7147	130	99.9	130	114		
		9	1	18	600	300	300	7147	130	99.9	130	2310	114	57-A 2310
		10	2	18	600	300	300	7148	130	99.7	130	2310	114	
		11	1	18	600	300	300	7148	130	99.7	130	2310	105	
		12	2	18	600	300	300	7148	130	99.7	130	2310	105	
		13	1	18	600	300	300	7148	130	99.7	130	2310	88	
		14	2	18	600	300	300	7148	130	99.7	130	2310	88	
		Tot		252	4200		2820		16,480					
	36	Enter Raw Material totals in Acc't Lbs column												
10	27	Heat V-10 to 150-160°F												
13	38	Pump V-10 to V-9 CAUTION: Do not overflow V-9												
	39	Start agitator												
	40	Add to ±50" maintaining 150-160°F												
	41	Rinse in V-10 & V-10 lines												
	42	Circulate thru Shriver thickeners to 50" (2220 G) at 150-160°F												
	43	Record: Start Date 5/20/81 Time 8:30 pm Vol 50 "												
	44	Circulate until effluent reaches 3000 ohms												
	45	Record: Finish Date 5-22-81 Time 6:30 PM Ohms 3000 PH 8.6 (8.4-9.0)												
		NOTE: After 16 hrs washing take ohm reading each four hrs & Record below on chart												
	46	Shut off water												
	47	Circulate thru Thickeners to 23" (1012 G)												
	48	Discharge into 55 gal drums												
	49	While filling drums, take a 1 qt jar sample. Deliver to CTL for D.C.												
	50	Run 10" (450 G) water into V-9												
	51	Heat to 158-162°F												
	52	Recirculate thru Shriver for 15 min or until effluent is clear												
	53	Stop agitator												
		START		FIN		OPTR								
		7:4 am		1:15:4 am		22								

EQUIPMENT		PAGE 4 CG 16 CODE (C) RC-3-A EST. WGT. LBS.						USE LBS.		H CODE		NET LBS.	
CHG NO	Vat	VOLUME		FINAL Temp	N-57 Used	SLUDGE Class	Chg No	Vat	VOLUME		FINAL Temp	N-57 Used	SLUDGE Class
		Init	Final						Init	Final			
1 & 2													
3 & 4													
5 & 6	14	24	41	45	2310	21100							
7 & 8													
9 & 10	13	25	42	45	2310	21200							
11 & 12													
13 & 14													
		TIME 6:30											
		OHMS 2000											
		TIME											
		OHMS											



DUP050097057





DUP050097060

