

CG 16 CODE RC-3-A PKG.
E1592 MAY 21 1981
 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		
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 Dorr 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			

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	5-22-81	5:PM	5-22-81	9:PM	4 HRS	
		2	5-22-81	5:PM	5-22-81	9:PM	4 HRS	
		3	5-25-81	9:15 AM	5-21-81	1:15 PM	4 HRS	
		4	5-25-81	9:15 AM	5-21-81	1:15 PM	4 HRS	
		5	5-25-81	2:40 PM	5-25-81	12:40 AM	4 HRS	
		6	5-25-81	2:40 PM	5-25-81	12:40 AM	4 HRS	
		7	5-25-81	3:15 AM	5-26-81	7:15 AM	4 HRS	
		8	5-26-81	9:40 AM	5-26-81	1:40 AM	4 HRS	
		9	5-26-81	9:40 AM	5-26-81	1:40 AM	4 HRS	
		10	5-26-81	5:30 PM	5-26-81	9:30 PM	4 HRS	
		11	5-26-81	5:30 PM	5-26-81	9:30 PM	4 HRS	
		12	5-26-81	5:30 PM	5-26-81	9:30 PM	4 HRS	
		13	5-26-81	1:15 AM	5-26-81	5:15 AM	4 HRS	
		14	5-26-81	1:15 AM	5-26-81	5:15 AM	4 HRS	
	20	Record accuracy once per shift while milling						
		Date	Time	Chg No	Ammeter Amps	Recorder Amps	HT OF	Record of
		5-22-81	7:PM	1+2	40 - 42	40 - 42		123-117
		5-25-81	12:30	3+4	40 - 42	41 - 42		125-120
		5-25-81	11:15	5+6	38 - 42	38 - 42		113-121
		5-26-81	6:50 AM	7+8	39 - 40	39 - 41		116-123
		5-26-81	12:11	9+10	41 - 40	39 - 42		115-110
		5-26-81	7:00 PM	11+12	40 - 41	39 - 42		111-118
		5-26-81	9:00 AM	13+14	40 - 39	40 - 39		136-110
11	21	Add 10" (122 G) water to V-11						
7	22	Heat to 140-150°F for S 24						
13/14	23	Pump 2 charges from HF Mills to V-13 or V-14						
8	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 ½ 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 677						
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 C-16 CORE (C) RC-1-A EST. WGT. LBS.										USE LBS.	N CODE	ACC LBS.	
MISC 11	35	Charge out Raw Materials below													
		Choi	1111	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	7164	130	99.6	130	2310	88		
		2	2	18	600	300	300	7164	130	99.6	130				
		3	1	18	600	300	300	7163	130	99.6	130	2310	101	972-A	201
		4	2	18	600	300	300	7163	130	99.6	130				
		5	1	18	600	300	300	7164	130	99.6	130	Run	322	834-B	252
		6	2	18	600	300	300	7164	130	99.6	130	Down			
		7	1	18	600	300	300	7153	130	99.6	130	23	438	7500-A	1820
		8	2	18	600	300	300	7153	130	99.6	130	2310			
		9	1	18	600	300	300	7153	130	99.6	130		114	57-A	1150
		10	2	18	600	300	300	7153	130	99.6	130	2310	114		
		11	1	18	600	300	300	7153	130	99.6	130		166		
		12	2	18	600	300	300	7153	130	99.6	130	2310	166		
		13	1	18	600	300	300	7153	130	99.6	130		340		
		14	2	18	600	300	300	7153	130	99.6	130				
		Tot		252		14200			1820			11,520			

36 Enter Raw Material totals in Acc't Lbs column

10 2 Heat V-10 to 150-160°F

38 Pump V-10 to V-9

CAUTION: Do not overflow V-9

39 Start agitator

40 Adj 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 5-28-81 Time 11:00 A - Vol 50"

44 Circulate until effluent reaches 3000 ohms

45 Record: Finish Date 6-1-81 Time 2:30 P 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

CIL 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

11:00 A

FIN

2:30 P

OPTR

156

[illegible]











