

CG 04 CODE KD-789-D PKG

PROCESSES

APPROVED BY

EST'D WGT 1032

NOV 24 80 38014

( ) KD-789-D (I)

FWP 11/3/80

STANDARD HRS. 10.8 TIME 7 P M

( )

( )

( )

TYPED BY: FWP 11/3/80

| CG | CODE   | PG | LOT              | LBS            |
|----|--------|----|------------------|----------------|
| 01 | YC016B | 93 | <del>36404</del> | <del>200</del> |
| 01 | YC016B | 93 | <del>36404</del> | <del>200</del> |
| 01 | YC016B | 93 | <del>36404</del> | <del>200</del> |

Lot 37415-2950  
36404 125012

TOTAL EST'D WGT 5232

REQ. NO. ( )

NON-BLEEDING

| EQUIP | NAME                                                                                       | USE LBS | NCODE | ACCT LBS |
|-------|--------------------------------------------------------------------------------------------|---------|-------|----------|
| 211   | 1 RUN 60" (990 G) WATER IN V-211. SET AGITATOR ON HIGH SPEED.                              | 540     |       | 540      |
| 208   | 2 WEIGH IN DRUM AND POUR IN                                                                | 530     | 983-D | 530      |
|       | 3 DUMP IN AND STIR 5 MIN                                                                   | 84X50   | YC16B | 4200     |
|       | RECORD: START 10:34                                                                        | 2950    |       |          |
|       | FIN 12:37                                                                                  | 36404   |       |          |
|       | ADJUST TO 75" (1275 G)                                                                     |         |       |          |
|       | WITH AGITATOR ON LOW SPEED PUMP V-211 THRU HOMOG AT 2800-3200 PSI INTO V-208               |         |       |          |
|       | WHEN V-211 MTY, WASH COLOR THRU HOMOG WITH MIN HOT WATER AT 2800-3200 PSI INTO V-208       |         |       |          |
|       | RECORD: V-208 VOL. 41" & ADJUST TO 54" (1890G)                                             |         |       |          |
|       | INSPECT HOMOG STRAINER & CLEAN IF NECESSARY                                                |         |       |          |
| 208   | 1 RUN 10" (514 G) WATER INTO V-208, START                                                  |         |       |          |
|       | AGITATOR & INSTALL TEMP CHART                                                              |         |       |          |
| SV    | 10 PUMP V-208 THRU HOMOG AT 4800-5200 PSI INTO SV                                          |         |       |          |
|       | RECORD: TIME START 12:55 TOTAL MINUTES 12.5                                                |         |       |          |
| 2     | NOTE: IF HOMOG PRESSURE FALLS BELOW 4800 PSI, 3-WAY VALVE WILL RECIRCULATE SLURRY TO V-208 |         |       |          |
|       | WHEN V-208 MT, RUN IN 5" (240 G) WATER & PUMP THRU HOMOG AT 4800-5200 PSI INTO SV          |         |       |          |
| 349   | 12 WHILE HOMOG, RUN 6" (284 G) WATER INTO V-349                                            |         |       |          |
|       | 13 RUN 1000# WATER INTO V-384 & HEAT TO 110-120°F                                          |         |       |          |
| 384   | 14 WEIGH INTO V-384 & PUMP TO V-349                                                        | 2545    | 983-D | 2545     |
|       | 15 RUN 1000# WATER INTO V-384 & PUMP TO V-349                                              | 3600    |       | 3600     |
| 3     | 16 ADJ V-349 TO 22" (1040 G) & STIR 15 MIN                                                 |         |       |          |
|       | 17 RECORD DENSITY: 1.082 G/ML (1.082-1.086)                                                |         |       |          |
| SV    | 18 WHEN S-10 HOMOG COMPLETE, ADJ SV TO 45" (2300                                           |         |       |          |
|       | 19 RECORD: PH 10.6 & ADJ TO 11.1-11.2 N-7-D                                                |         |       |          |
| 4     | AT 5% (10 PARTS WATER TO 1 PART N-7-D)                                                     |         |       |          |
|       | ASSUME 50%                                                                                 | 14      | 7-D   | 7        |
|       | SIPHON N-7-D INTO SV & RECORD: PH 11.1                                                     |         |       |          |
|       | HEAT TO 190-194°F IN 55-65 MIN & REC: HT ____°F                                            |         |       |          |
|       | & RECORD: ____°F                                                                           |         |       |          |
|       | NOTE: STRIKE MUST BE STARTED IMMEDIATELY ON COMPLETION OF HEATING.                         |         |       |          |

N34631

247

343 21 WHILE HEATING SV, RUN 52" (1430 G) WATER INTO  
& 22 V-343  
386 23 METER IN FROM V-386 M. 69.2450 /GAL, 41.3 GAL 27-D 390  
5 24 STIR 15 MIN OR LONGER  
25 RECORD: DENSITY 1.020 G/ML (1.018-1.020)

26 WHEN S 20 HEATING COMPLETE, RECORD: PH 9.8  
26 SET V-343 ACID PUMP AT 65 SETTING (255 MIN)  
27 SET V-349 SILICATE PUMP AT 54 SETTING (210 MIN)  
28 IMMEDIATELY METER IN V-343 & V-349. MAINTAIN SV  
SV AT 190-194°F DURING STRIKE

29 RECORD: START FINISH MINUTES  
V-343 7:45 A.M. 12:10 P.M. 210  
V-349 11:30 A.M. 225  
TIME V-343 V-349 SV NORMAL  
INCHES INCHES PH PH  
AT 20 MIN 8:05 A (49) 48 (20) 19 9.7 (9.3-10.0)  
40 MIN 8:35 A (45) 44 (18) 17 9.7 (9.3-10.0)  
1 HR 8:45 A (41) 40 (16) 15 9.7 (9.3-10.0)  
2 1/4 HR 10:00 P (25) 28 (8) 6 9.9 (9.3-10.0)  
3 1/2 HR 11:30 P 9) 10 (0) 0 9.9 (9.3-10.0)  
FINISH 12:00 P 0) 6.2 (7.5-8.5)

NOTE: IF PH DROPS BELOW 9.3 IN FIRST HOUR, STOP  
PUMPS & SEE SUPV. IF FINAL PH IS ABOVE  
8.5, ADJ TO 7.5-8.5 & RECORD: PH

ASSUME 77%

27-D

385 30 RUN 40" (308 G) WATER INTO V-385 & HEAT TO  
7 135-140°F  
31 DUMP IN & STIR TO DISSOLVE 530 15-A 530

302 32 ADD 42" (514 G) WATER TO V-302 165  
8 33 ADD & STIR 2 MIN 170 781-D 165

SV 34 WHEN V-349 MT, RINSE IN WITH MINIMUM WATER &  
9 35 SET PUMP AT ZERO SETTING  
35 WHEN V-343 MT, RINSE IN WITH MINIMUM WATER &  
36 TURN OFF PUMP MOTOR  
36 STIR 30 MIN AT 190-194°F, THEN TURN OFF STEAM  
RECORD: START 12:15 P.M.  
37 RUN IN V-385 FROM S 31 & STIR 5 MIN  
38 RECORD: PH 3.2 (3.4-3.8) & IF NECESSARY ADJ  
(DOWN ONLY) TO 3.4-3.8 & RECORD: PH 15-A  
NOTE: DISSOLVE EXTRA N-15-A IN WATER AT 135-140  
°F IN DRUM, USE 30 GAL WATER TO 50#  
N-15-A. STIR SV 5 MIN AFTER EACH ADDITION  
39 RUN IN N-7-D FROM S. 33 IN 10-12 MIN & STIR 5  
MIN  
40 RECORD: PH 4.8 (6.2-6.4) & IF NECESSARY ADJ TO  
PH 6.2-6.4. RECORD: PH 6.4 ASSUME 77% 27-D  
DILUTE N-7-D 10 TO 1 WITH WATER ASSUME 50% 7-D  
SIPHON N-7-D INTO SV  
41 POUR IN STIR 15 MIN 50 978-A 50  
42 STOP AGITATOR

START  
7:00 A.M.  
11:00 A.M.  
1:00 A.M.

FINISH  
3:10 P.M.  
1:00 P.M.  
2:10 P.M.

OPERATOR  
223-342  
37-230  
381-201

