

CG 03

CODE KY-787-D

LOT

F2K60

PROCESSES

APPROVED BY

() KY-787-D (U)

FWP 03/22/82

JUN 16 1982

COMTYP JOB NAME: 03KY787DMU

CG	CODE	PQ	LOT	LBS	CG	CODE	PQ	LOT	LBS
14	YC-2-B	93	D2E-22	2400	14	YC-2-B	93		
14	YC-2-B	93	D2E-19	2000	14	YC-2-B	93		

TOTAL EST'D WGT 6006* LBS.

NON-BLEEDING

BEFORE USING SV, MAKE SURE THAT N-28-D LINE IF ANY IS BLANKED OFF.

203 RUN 60" (990 GAL) WATER INTO V-203 & ADD CAUSTIC
& RUN AGITATOR ON HIGH SPEED. 40 7-D 20

205 WEIGH SODIUM SILICATE INTO DRUM & POUR IN 420 32-D 420
DUMP IN CHROME YELLOW & STIR 5 MIN D2E-22 88X50 YC-2-B 4400
RECORD: START 4:40 AM D2E-19 2400
FIN 5:45 PM 2000

ADJUST TO 75" (1275 GAL) *NOTE: VOLUMES HIGHER THAN 75" MAY CAUSE DUSTING IN EXHAUST HOOD.
WITH AGITATOR ON LOW SPEED PUMP V-203 THRU HOMOG AT 2400-2600 PSI INTO V-205
WHEN V-203 MT, WASH COLOR THRU HOMOG WITH MIN HOT WATER AT 2400-2600 PSI INTO V-205
RECORD: V-205 VOL. _____ & ADJUST TO 60" (2100 GAL)
INSPECT HOMOG STRAINER & CLEAN IF NECESSARY

208 RUN 4" (200 GAL) WATER INTO V-240, START
& AGITATOR & INSTALL TEMP CHART
SV PUMP V-205 THRU HOMOG AT 4800-5200 PSI INTO SV.
RECORD: TIME START 2:30 P TOTAL MINUTES 85
2 NOTE: IF HOMOG PRESSURE FALLS BELOW 4800 PSI, 3-WAY VALVE WILL RECIRCULATE SLURRY TO V-205
11 WHEN V-205 MT, RUN IN 5" (240 GAL) WATER & PUMP THRU HOMOG AT 4800-5200 PSI INTO SV

349 WHILE HOMOG, RUN 6" (284 GAL) WATER INTO V-349
& RUN 1000# WATER INTO V-384 & HEAT TO 110-120°F
384 WEIGH INTO V-384 & PUMP TO V-349 2530 32-D ✓ 2530
15 RUN 1000# WATER INTO V-384 & PUMP TO V-349
3 ADJ V-349 TO 22" (1041 GAL) & STIR 15 MIN
17 RECORD DENSITY: 1.086 G/ML (1.084-1.086)

SV WHEN S-11 HOMOG COMPLETE, ADJ SV TO 48" (2420 GAL)
17 RECORD: PH 10.5 & ADJ TO 11.1-11.3 WITH CAUSTIC
4 AT 5% (10 PARTS WATER TO 1 PART N-7-D) ASSUME 50% 44 7-D 20
SIPHON N-7-D INTO SV & RECORD: PH 11.2
20 HEAT TO 190-194°F IN 55-65 MIN & REC: HT ____ *F
& RECORD: ____ *F
NOTE: STRIKE MUST BE STARTED IMMEDIATELY ON ON COMPLETION OF HEATING JUN 21 1982

343 WHILE HEATING SV, RUN 39" (1070 GAL) WATER INTO
& V-343 & METER IN SULFURIC ACID FROM V-384
386 STIR 15 MIN OR LONGER MK18 1080 #/GAL, 350 GAL 27-D 378
5 RECORD: DENSITY ____ G/ML (1.024-1.026) 11/18

EQUIP | PAGE 2 CG 02 KY-787-D
MENTI | COMTYP JOB NAME: 03KY787DMU

240

DATE PRINTED: 3/30/82
USE | N- | ACCT
LBS | CODE | LBS

124 WHEN S 20 HEATING COMPLETE, RECORD: PH 10.0
125 SET V-343 ACID PUMP AT 57 SETTING (225 MIN)
126 SET V-349 SILICATE PUMP AT 62 SETTING (180 MIN)
127 IMMEDIATELY METER IN V-343 & V-349. MAINTAIN SV
SV AT 190-194°F DURING STRIKE
128 RECORD: START FINISH MINUTES
V-343 6:45 AM 10:14 AM 225
V-349 6:45 AM 9:55 AM 120
V-343 V-349 SV NORMAL
TIME INCHES INCHES PH PH
AT 20 MIN 7:05 (36) 37 (20) 29 9.8 (9.3-10.0)
40 MIN 7:25 (33) 34 (17) 27 9.7 (9.3-10.0)
1 HR 7:45 (29) 32 (15) 25 9.6 (9.3-10.0)
2 HR 8:45 (19) 20 (7) 17 9.8 (9.3-10.0)
3 HR 9:45 (8) 10 (0) 1 9.9 (9.3-10.0)
FINISH 10:14 (0) 0 2.9 (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 ASSUME 77% 27-D

356 130 129 RUN 35" (600 GAL) WATER INTO V-330 & HEAT TO
7 160-170°F
130 ADD DRESINATE "X" IN 12-13 MIN. CHECK FOR 650 530-A 650
DRAFT IN VENT STACK BEFORE DUMPING.
131 STIR 5 MIN & RECORD: PH 10.0 (9.5-10.5)
307 132 STIR 20 MIN OR LONGER FOR S-43

385 133 ADD 67" (513 GAL) WATER TO V-385 301
8 134 ADD & STIR 2 MIN FOR S-41 ASSUME 50% 320 7-D 160

SV 135 WHEN V-349 MT, RINSE IN WITH MINIMUM WATER &
9 SET PUMP AT ZERO SETTING
136 WHEN V-343 MT, RINSE IN WITH MINIMUM WATER &
TURN OFF PUMP MOTOR & STEAM
137 SIFT IN BLANC FIXE 200 128-A 200
138 RUN IN ALUM USING BADGER METER 600 115-D 300
139 FLUSH ALUM LINE WITH WATER
140 RECORD: PH 3.6 (3.7-4.2)
141 RUN IN N-7-D FROM S 34 IN 10-12 MIN & STIR 5 MINS
142 RECORD: PH 9.3 (9.0-9.5) & IF NECESSARY ADJ TO
PH 9.0-9.5. RECORD: PH ASSUME 77% 27-D
DILUTE N-7-D 10 TO 1 WITH WATER ASSUME 50% 7-D
143 SIPHON N-7-D INTO SV
144 RUN IN V-330 THRU 20 MESH SCREEN & STIR 20 MIN

330 144 RUN 11" (216 GAL) WATER INTO V-330
10 145 DUMP IN CALCIUM CHLORIDE & STIR 5 MIN FOR S-46 250 20-A 250

SV 146 RUN V-330 INTO SV IN 15-20 MIN
11 147 STIR 15 MIN & RECORD: PH 9.1 (9.0-10.0)
148 DO NOT STOP AGITATOR
START FINISH OPERATOR
9:55 AM 7:25 AM 34-114
10:14 AM 7:10 AM 37-114

RECEIVED #3 Homob AT 2:25 P.M

