KC INDUSTRIES, LLC. DAILY QUALITY CONTROL AND PRODUCTION



DATE: 1-13-11	LOT#: KII-013		SFS OR 1	SFS OR PFS PRODUCTION [circle one]		
A OPERATOR: Do B	SON			SHIFT:	1st	
PRODUCT DRYING	START TIM	E: the time period the	0655 at product pass	es through the		1300
	START TIM	E:			STOP TIME:	
	START TIM	E:		-	STOP TIME:	
			TIME 1	. /	TIME 2	TIME 3
1. FLOWS ON TIME			1)(1)	<u>!</u>	4474-641	
2. FILTER START TIME			003	1 2		
3. FLOWS OFF TIME			169	-		
4. SCREWS DOWN TIME			1300	<u></u>		
5. TIME			073	3	0955	1153
6. BURNER EXIT TEMP			10.70	2	1082	1090
7. DRYER EXIT TEMP			<u> 368</u>		352	362
8. VENT FAN AMPS			23		<u> 73</u>	<u> </u>
9. DRAFT FAN AMPS			70		70	70
A TATAL T TITLINITE O						
10. CHLORIDES DOWN TIMES AND REASON	(S:		6.4		<u> 5. 8</u>	_5-2
10. CHLORIDES DOWN TIMES AND REASON	(S:		<u>6.4</u>		<u> 5. 8</u>	_ 5-2
10. CHLORIDES	is: ———	<u>FSA</u>	<u>6.4</u>		KCL	
10. CHLORIDES DOWN TIMES AND REASON RAW MATERIALS USAGE	15: 	<u>FSA</u>	<u>_6.4</u>			
DOWN TIMES AND REASON RAW MATERIALS USAGE TANK NUMBER:	<u>a</u>	<u>FSA</u>	<u>6.4</u>			
DOWN TIMES AND REASON RAW MATERIALS USAGE TANK NUMBER: BEGIN OUTAGE:	<u>a</u>	<u>FSA</u>	<u>6.4</u>			
DOWN TIMES AND REASON RAW MATERIALS USAGE TANK NUMBER: BEGIN OUTAGE: END OUTAGE:	2 1'11" ""5" 30"	<u>FSA</u>	6.4			
DOWN TIMES AND REASON RAW MATERIALS USAGE TANK NUMBER: BEGIN OUTAGE: END OUTAGE: USAGE:	2 1'11* 4'5" 30" unloaded:	<u>FSA</u>	<u>6.4</u>			
DOWN TIMES AND REASON RAW MATERIALS USAGE TANK NUMBER: BEGIN OUTAGE: END OUTAGE: USAGE: NUMBER OF SALT TRUCKS	L'II* J'5" 30" UNLOADED: UNLOADED:	FSA	6.4			
DOWN TIMES AND REASON RAW MATERIALS USAGE TANK NUMBER: BEGIN OUTAGE: END OUTAGE: USAGE: NUMBER OF SALT TRUCKS NUMBER OF ACID TRUCKS	UNLOADED: UNLOADED: RS UNLOADED:	FSA	6.4			
DOWN TIMES AND REASON RAW MATERIALS USAGE TANK NUMBER: BEGIN OUTAGE: END OUTAGE: USAGE: NUMBER OF SALT TRUCKS NUMBER OF ACID TRUCKS NUMBER OF ACID RAILCAR	UNLOADED: RS UNLOADED: S UNLOADED:	FSA	<u>6.4</u>			
DOWN TIMES AND REASON RAW MATERIALS USAGE TANK NUMBER: BEGIN OUTAGE: END OUTAGE: USAGE: NUMBER OF SALT TRUCKS NUMBER OF ACID TRUCKS NUMBER OF ACID RAILCAR NUMBER OF KCL RAILCAR	UNLOADED: UNLOADED: SUNLOADED: SUNLOADED:	FSA	_6.4 			



KC INDUSTRIES, LLC. DAILY QUALITY CONTROL AND PRODUCTION LOG

DATE: <u> //</u>	3/	/

LOT#:

K11-013

SFS OR PFS PRODUCTION [circle one]

BOPERATOR: SHIFT: SAMPLE 1 SAMPLE 2 SAMPLE 3 1. TIME 2. PRODUCTION RATE [tpd] Start plant at 105 tpd and go to 120- tpd once - 325 < 10% 3. ACID [FSA] FLOW [gpm] 4. ACID [FSA] SPECIFIC GRAVITY % 5. ACID [FSA] STRENGTH 6. KCL/SALT BRINE FLOW [gpm] 7. Ket/salt brine specific gravity 8. COLOR OF BRINE [white, yellow, tan, brown] 9. COLOR OF ACID [white, yellow, tan, brown] 10. REACTOR NO. 1 TEMP [PFS ONLY] [F] Maintain between 110 and 140 degrees 11. DRYER TEMPERATURE F Maintain between 310 and 350 degrees 12. VACUUM READING ["Hg] Maintain between 12 and 18 13. PRODUCT TEMPERATURE [F] 14. VENTURI SCRUBBER WATER FLOW RATE [gpm] MAINTAIN BETWEEN 50 AND 55 gpm 15. VENTURI SCRUBBER AIR PRESSURE AT INLET ["H20"] [POINT A] 16. VENTURI SCRUBBER AIR PRESSURE AT OUTLET ["H20"] [POINT B] 17. VENTURI SCRUBBER DIFFERENTIAL PRESSURE ["H20"] [POINT A-B] Maintain between 8 and 14 inches of water 18. WET SCRUBBER WATER FLOW RATE [gpm] MAINTAIN BETWEEN 42 AND 47 gpm 19. WET SCRUBBER WATER PRESSURE [psig] MAINTAIN BETWEEN 20 AND 22 PSIG TO THE SPRAY NOZZLE 20. WET SCRUBBER AIR PRESSURE AT INLET ["H20"] [POINT B] 21. WET SCRUBBER AIR PRESSURE AT OUTLET ["H20"] [POINT C] 22. WET SCRUBBER DIFFERENTIAL PRESSURE ["H20"] [POINT B-C] Maintain between 1.0 and 4.5 inches of water 21. FRESH WATER TO REACTOR [gpm] 22. PETRO TO PRODUCT ON FILTER [gpm] 23. RINSE WATER TO PRODUCT ON FILTER [gpm] **SAMPLE 2** 1055 PRODUCT SCREEN ANALYSIS SAMPLE 1 0855 SAMPLE 0.5 +60 13.2 [Should be less than 20] +100 [Should be less than 70] +200+325 [Should be less than 30] [Should be less than 10] -325

** If you are not able to maintain the above parameters, you should contact Gene Trawick or John Heth immediately.

REMARKS: Lower briNE Flow From 50 to 48 due to groduct was FN the FINE Side.

KC Industries, LLC Truck Unloading / Bagging Record

Date: 12-14-10 Lot Number: KID-	348 Product: SFS PFS
(The date and Lot number start with the 10:00 pm - 6	5:00 am shift)
Truck Unloading #1 (10:00 pm - 6:00 am)	Estimated Quantity tons
Start Time: End Time:	Unleaded by:
Pressure Drop:inches at	(time) * If less than 0.1 or greater than 8.0 notify supervisor immediately
Air Pressure:psi at	(time) * Adjust to between 80 - 100 psi
Visible emissions from Baghouse: Yes	No * If yes notify supervisor immediately
Truck Unloading #2 (6:00 am - 2:00 pm)	Estimated Quantity: 30 tons
Start Time: 1825 End Time: 194	3 Unloaded by: SylviA
Pressure Drop: 0.8 inches at 1840	(time) * If less than 0.1 or greater than 8.0 notify supervisor immediately
Air Pressure: 97 psi at 1840	(time) * Adjust to between 80 - 100 psi
Visible emissions from Baghouse: Yes	No * If yes notify supervisor immediately
Truck Unloading #3 (2:00 pm - 10:00 pm)	Estimated Quantity: 35 tons
Start Time: <u>0400</u> End Time: <u>0525</u>	Unloaded by: Sylvia
/⋅2 Pressure Drop: ★★♥ inches at <u>04.15</u>	(time) * If less than 0.1 or greater than 8.0
Air Pressure: 100 psi at 04/5	notify supervisor immediately (time) * Adjust to between 80 - 100 psi
Visible emissions from Baghouse: Yes	No * If yes notify supervisor immediately

KC Industries, LLC Truck Unloading / Bagging Record

Page 2 of 2

(Date and Lot # should correspond with the	date and Lot # from	page 1			
Bagging Operation / _// > // > // > // > // > // > // >					
Date Bagged: ///3 // Start T	ime: <u>0り</u>	<u>O</u> E	ind Time:	950	
Pressure Drop:/i inches at	9430 (time	e) * If le	ess than 0.1 or o	greater than	n 8.0
Air Pressure: <u>199</u> psi at <u> </u>	2 <i>43</i> 0 (tim		ust to between		
Visible emissions from Baghouse:	Yes	<u> </u>	es notify superv		liately
Package Type:	Lot Number	Product	Package #	Pallets	Tons
#1 50 LB Bags	K/0348	5/5	# (,	2	2,5
#2 400 LB Drums	K10348	5/5	#4	40	4205
#3 125 LB Drums			•		
#4 2000 LB Top Outlet Super Sacks				<u> </u>	
#5 2500 LB Bottom Outlet Super Sacks					
#6 300 LB Dyrungs					
Recorded By:					
Bagging Operation /// //s		7 à		1/5	
Date Bagged: ////////////////// Start T			nd Time: //	<u> </u>	_
Pressure Drop:inches at	<i>436</i> (time	e) * If le	ess than 0.1 or g tify supervisor in	greater that	า 8.0
Air Pressure: <i>9</i>	0430 (tim		ust to between	•	
Visible emissions from Baghouse:	Yes	No * If y	es notify superv	isor immed	liately
Package Type:	<u>Lot Number</u>	<u>Product</u>	Packagę #	Pallets	<u>Tons</u>
#1 50 LB Bags	K10348	3/5	#4	10	10:625
#2 400 LB Drums					
#3 125 LB Drums					
#4 2000 LB Top Outlet Super Sacks					
#5 2500 LB Bottøni Outlet Super Sacks					1
#6 300 LB/Drams			·		
Recorded By: MM (
Bagging Operation					
Date Bagged: Start T	ime:	F	nd Time:		
Pressure Drop: inches at	(time	e) * If le	ess than 0.1 or g	reater than	- า 8.0
Air Pressure: psi at	(tim		ify supervisor in ust to between t	•	
Air Pressure: psi at	· · · · · · · · · · · · · · · · · · ·	•	ust to between	ou - 100 ps	6I
Visible emissions from Baghouse:	<i></i>	-	es notify superv		liately
Package Type:	Lot Number	<u>Product</u>	Package #	<u>Pallets</u>	<u>Tons</u>
#1 50 LB Bags					
#2 400 LB Drums					
#3 125 LB Drums					
#4 2000 LB Top Outlet Super Sacks					
#5 2500 LB Bottom Outlet Super Sacks					
#6 300 LB Drums					
Recorded By:		Tota	I Tons This Lo	t Number	55.625



KC INDUSTRIES, LLC Packaging Log

Product:	SFS	Lot Number: K10344
Name:	JAloth	Date: /2-/3-10

Package Type: 2125 18085

Package Type	Proper Pallet Weight
1. 50 lb Bags	12560-2610 lbs
2. 400 lb Drums	2060-2110 lbs
3. 125 lb Drums	2260-2300 ibs
4. Super Sacks / Carus	12125 lbs
5. Super Sacks	2500 lbs
6. 300 lb Drums	1570-1590 lbs
7 25 KG Bags	2050-2125 lbs

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Gross Weight
2125
2128
2125
2125
2130
1730
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STOP 2:00 TONIS 6.18 12.36 TPH

Pallet #	Gross Weight
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