

**Company Form** 

Title: Lot Production Record Number: P13-FM-100-041

Owner: Jason Bumgarner Revision: 02
Effective Date: 09/08/14 Page: 1 of 1



# **Lot Production Record**

	Date	e:					
	Lot Numbe						
			Day			Night	
	Lead Operator:		•				
War	ehouse Operator:						
N	Material Handler:						
	Salt Operator:						
As							
		Complet	ed paper	work for lot	record		
	Doile Da	advatian Dan	ant (Day).		✓ or ×		
	•	oduction Repo let Count – W	, ,				
		let Count = w luction Repor		<u></u>		_	
	•	let Count – W		<u> </u>			
			SPC	Charts			
	Crystall	lizer Tempera	ture Log:				
	<del>-</del>	Salt Tempera	_				
	Digester	Specific Gra					
		Digester	r pH Log:				
		]	Process U	pkeep Logs			
		Material Han	dler Log:				
	Ac	id Log (If Ap	plicable):				
	Mg	O Log (If Ap	plicable):				
A 11	1 '1 1	1 1.	1 ' 1	1 , 1 , 1 , 1	1, ,1		<del></del> 1
All				dated, and stapt responsible for		with this cover sheet. record.	
	1110 1418	iii Siiiit Loud	Sperator is	responsible for	and dully lot	100010.	
ead		Lead		Manager's		QA's	
ays		Nights		Initials		Initials	



Lot Production Record

Title: Daily Production Report - Days Number: P12-FM-100-009a

Owner: Jason Bumgarner Revision: 02

Effective Date: 09/08/14 Page: 1 of 1



/	<b>Date an</b>		DAYS	L.0	О.	W	V.O.	M.	Н.	S.	O.	A	.O.
SCR Code		ber of	Pro	duct D			Customer	•		Scre yes	ened / no		- MO - F
Total Fi	ines			Weight o									
Total Re				C	W	1	RP	RF	PS	RF	PM	R	PO
Sacks I	Ran												
P	roducti	on Goal					l Tons duced			Liq Lo			
		8:0	00	10:	00	12	2:00	14:	:00	16	:00	18:	00
Dust Coll	>25												
Dehumid	ifier ×/√												
Guage Ch	neck ×/√												
Product	Туре												
Rate Che		/	'	/	,		/	,	/		/	/	,
Initia													
		inning of	Shift	Begi	nning of	shift	Prod	uced	End o	f Shift	Wa	aste	+/-
ıtrol	2												
Label Control	3												
Labe	4												
	6												
Manager's	Initials		Q. Init	A's ials		Any	Issues rea	sulting in action she					essed

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Lot Production Record

Title: Daily Production Report - Nights Number: P12-FM-100-009b

Owner: Jason Bumgarner Revision: 02

Effective Date: 09/08/14 Page: 1 of 1



/.	<b>Date and</b>		NIGHTS	L.O	).	W	V.O.	М	I.H.	S.	.O.	A	A.O.
SCR		nber of		oduct			Customer			Scre	ened	O - M	- MO - F
Code	Bags p	roduced	Ι	D			Customer			yes	/ no	Overs/Middle	le/No Fines/Fines
			<u></u>								<u> </u>		
										<u> </u>		<del>                                     </del>	
	<del> </del>									<del> </del>		<del> </del>	
				Weight o	of each					<del> </del>		<del>                                     </del>	
Total Fi	ines			TSF	7 _								
Total Re	Pack			CW	1	F	RP	R	PS	RP	'M	R	PPO PPO
Sacks F	Ran	l				l						l	
P	roductie	on Goal					l Tons duced			Liq Loa			
		20:	:00	22:0	00	0	:00	2:	:00	4:	00	6:	00
Dust Coll	letor   >25	 I											
Dehumid		 I											
	<b>x</b> / <b>&lt;</b>	<del> </del>				<u> </u>		<u> </u>				<u> </u>	
Guage Ch	neck ×/√	I					ĺ		j				
Product	·	I											
Dote Che	Type ck	i .		<del>-</del>		<del> </del>		<del> </del>		<del> </del>		<u> </u>	
Rate Chec	al Tons	/	!	/			/		/	/	<u> </u>	/	/
Initia	ıls												
	Beg	ginning of	Shift	Begir	nning of	shift	Prod	uced	End o	of Shift	Wa	aste	+/-
ol	1												
ontr	2												
Label Control	3			Ī			T						
Lal	4						Τ						
	6												
Manager's	T '4' 1			A's tials		Any	Issues res					o be addro n Report	

### Controlled Document

#### Lot Production Record Title: Crystallizer Temperatures Number: P12-FM-100-007 Owner: Jason Bumgarner Revision: 03 Effective Date: 09/08/14 Page: 1 of 1 1:00 7:00 9:00 11:00 13:00 15:00 17:00 19:00 21:00 23:00 3:00 5:00 32.88 32.16 Crystallizer 31.44 30.72 30.00 29.28 28.56 27.84 27.12 Results-32.88 32.16 2 Crystallizer 31.44 30.72 30.00 29.28 28.56 27.84 27.12 Results-32.88 32.16 $\overline{3}$ Crystallizer 31.44 30.72 30.00 29.28 28.56 27.84 27.12 Results-32.88 32.16 4 Crystallizer 31.44 Temp 30.72 30.00 29.28 28.56 27.84 27.12 Results-Time Action taken when out of limits Time Action taken when out of limits Solids 23 Fine Salt Chiller City Water **Initials** Leads Manager's QA's DATE:

GILES CHEMICAL ~ PREMIER MAGNESIA

**Initials** 

Initials

**Initials** 



### Lot Production Record

Title: Digester Specific Gravity Number: P12-FM-100-006a
Owner: Jason Bumgarner Revision: 02

Effective Date: 09/08/14 Page: 1 of 1



ty		8:00			14:00	16:00	18:00	20:00	22:00	0:00	2:00	4:00	6:00
#1 Specific Gravity	1 308												
cific	1.385												
1 Spe	1.372 1.366												
	1.359 Results -												
		•											
#2 Specific Gravity	1.404												
c Gr	1 301												
ecifi	1.378												
#2 S <sub>I</sub>	1.366												
, .	1.359 Results -												
vity	1.404												
: Gra	1 391												
ecifi	1 378												
#3 Specific Gravity	1.366												
	1.359												
	Results -			-									
Time :		Action	taken w	hen out c	of limits		Time :		Action	taken wh	en out o	flimits	
_:							_:						
_:			T	T		T	:	T.	T.		T		
	Hopper ull - ×/✓												
ML S	Sp.Gr. 27-1.32												
Mud	Temp												
	60-80C Sp.Gr.												
1	38-1.41 Sp.Gr.												
1	37-1.40												
Ini	tials				1	ad's		N/.				A !-	
DA	ATE:					ad's ials			ager's tials		Q./ Init		



Lot Production Record

Title: Digester pH Number: P12-FM-100-006b
Owner: Jason Bumgarner Revision: 02
Effective Date: 09/08/14 Page: 1 of 1



	6.9	8:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00	0:00	2:00	4:00	6:00
- 1st Digester pH	6.1												
ester	5.3 4.6												
Dige	3.8												
1st ]	3.0 2.3												
#1 -	1.5												
#	0.7												
F	Results -												
H	6.9												
- 1st Digester pH	6.1 5.3												
səğı	4.6	-											
it Di	3.8 3.0												
	2.3 1.5												
#2	0.7												
F	Results -												
	6.9												
1st Digester pH	6.1												
este	5.3 4.6												
Dig(	3.8												
1st ]	3.0 2.3												
#3 -	1.5												
	0.7												
	Results -												
Time		Action	taken w	hen out o	of limits		Time .		Action 1	taken wh	en out o	f limits	
							· -·						
-:	-						` -:						
Reco	very												
	<b>x</b> /√												
Pots (	Clean ×/√												
Circ I													
>	Loops -40gpm												
MgO	Feed gpm	_											
ML F	eed												
	-35gpm												
Ini	tials				•	-11		3.7	, ,	•			
DA	TE:					ad's ials			ager's tials		Q/ Init	A's ials	



Lot Production Record

Title: Dryer Salt Temp Number: P12-FM-100-005

Owner: Jason Bumgarner Revision: 02
Effective Date: 09/08/14 Page: 1 of 1



				Butc. 05/00				r uge. r			Ш		
		7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	1:00	3:00	5:00
d	37.9 37.2												
Dryer Salt Temp	36.4												
t T	35.7												
Sal	35.0	-											
/er	34.3												
Dry	32.8												
	32.1							•			•		
R	leading -												
		7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	1:00	3:00	5:00
р	27.9	-											
Cooler Salt Temp	26.4												
lt T	25.7												
Sal	25.0												
ler	24.3												
00	22.8												
	22.1												
R	teading -												
	2020												
eck	2024												
C.	2017												
2000-lb Weight Check	2011	-											
We	1004												
-lb	1991												
000													
	1977 Results -										1	1	
	Kesuits -												
ĸ	50.85												
ght Check													
ıt C													
	50.18												
50-lb Wei	50.01 49.85												
0-1	49.68												
	49.51												
	Results -						<u> </u>			<u> </u>			
Time		Actic	on taken w	vhen out o	f limits		Time		Action	ı taken w	hen out o	f limits	
_:							_ :						
_:							:						
_:							:						
Ini	itials												
1111	111415	<u> </u>			La	ad's						A's	
DA	ATE:					au s tials		Manage	er's Initials	s	_	tials	



Lot Production Record



Owner: Jason Bumgarner Revision: 02
Effective Date: 09/08/14 Page: 1 of 1



	MgC	Supply			Acid Supp	ly	
	#1 ( P or B) ~ Feed :	Level :		CHECKS	07:00	11:00	15:00
	#2 ( P or B) ~ Feed :	Level :		Car, Chocks, Sign & Lock			
	#3 ( P or B) ~ Feed :	Level :		Tank Level graph			
		07:00	13:00	Acid at tanks			
<i>t</i>	MgO rotary Valve check			Acid Line check			
h I f t	Clean Mixing Pot			Acid at Digesters			
y S	Air Co	ompressor			Boiler Chec	eks	
Da		07:00	15:00		07:00	11:00	15:00
	Main Tank Pressure			Blow Down (yes/no)			
	Test Water Drain Valve			Pressure - Lead Boiler			
	Oil Level Check			Pressure - Back up Boiler			
	Visual leak check			Water level on #1 / #2			
				Level in Boiler Feed Tank			
					Opera	ator	Time
	MgC	Supply			Acid Supp	ly	
	#1 ( P or B) ~ Feed :	Level :		CHECKS	19:00	23:00	03:00
	#1 ( P or B) ~ Feed: #2 ( P or B) ~ Feed:			CHECKS  Car, Chocks, Sign & Lock	19:00	23:00	03:00
		Level :			19:00	23:00	03:00
	#2 ( P or B) ~ Feed :	Level :		Car, Chocks, Sign & Lock	19:00	23:00	03:00
Ift	#2 ( P or B) ~ Feed :	Level : Level :		Car, Chocks, Sign & Lock Tank Level graph	19:00	23:00	03:00
ShIft	#2 ( P or B) ~ Feed:	Level : Level :		Car, Chocks, Sign & Lock  Tank Level graph  Acid at tanks	19:00	23:00	03:00
h t Sh If t	#2 ( P or B) ~ Feed :	Level : Level :		Car, Chocks, Sign & Lock  Tank Level graph  Acid at tanks  Acid Line check	19:00 Boiler Chec		03:00
Ight S	#2 ( P or B) ~ Feed :	Level :		Car, Chocks, Sign & Lock  Tank Level graph  Acid at tanks  Acid Line check			03:00
h t S	#2 ( P or B) ~ Feed :	Level :	01:00	Car, Chocks, Sign & Lock  Tank Level graph  Acid at tanks  Acid Line check	Boiler Chec	cks	
Ight S	#2 ( P or B) ~ Feed : #3 ( P or B) ~ Feed : MgO rotary Valve check Clean Mixing Pot	Level :	01:00	Car, Chocks, Sign & Lock  Tank Level graph  Acid at tanks  Acid Line check  Acid at Digesters	Boiler Chec	cks	
Ight S	#2 ( P or B) ~ Feed :	Level :	01:00	Car, Chocks, Sign & Lock  Tank Level graph  Acid at tanks  Acid Line check  Acid at Digesters  Blow Down (yes/no)	Boiler Chec	cks	
Ight S	#2 ( P or B) ~ Feed :	Level :	01:00	Car, Chocks, Sign & Lock  Tank Level graph  Acid at tanks  Acid Line check  Acid at Digesters  Blow Down (yes / no)  Pressure - Lead Boiler	Boiler Chec	cks	
Ight S	#2 ( P or B) ~ Feed :	Level :	01:00	Car, Chocks, Sign & Lock  Tank Level graph  Acid at tanks  Acid Line check  Acid at Digesters  Blow Down (yes / no)  Pressure - Lead Boiler  Pressure - Back up Boiler	Boiler Chec 19:00	cks 23:00	03:00
Ight S	#2 ( P or B) ~ Feed :	Level :	01:00	Car, Chocks, Sign & Lock  Tank Level graph  Acid at tanks  Acid Line check  Acid at Digesters  Blow Down (yes / no)  Pressure - Lead Boiler  Pressure - Back up Boiler  Water level on #1 / #3	Boiler Chec	cks 23:00	