

Lot Production Record

Title: Lot Production Record
Owner: Jason Bumgarner
Effective Date: 07/07/2016

Number: P13-FM-100-041
Revision: 05
Page: 1 of 1



# LOT PRODUCTION RECORD

Date	Lot Numb	oer	
<u>DAY</u>		<u>NIGHT</u>	
Wareho Mater Salt	Operator use Operator ial Handler Operator Operator II	Name	Initial
Completed paper	-	record	
	✓	or X	
Daily Production Report (Day) Pallet count - Work Sheet Daily Production Report (Night) Pallet count - Work Sheet SCR Sheets (All)			
	PC Charts		
Digester pH Log	or C Charts		
Digester Specific Gravity Log			
Process Specific Gravity Log			
Crystallizer Tempature Log			
Dryer Salt Temperature Log			
Dryer/Cooler Temperature Log			
Prod	ess Upkeep Log	gs	
Process Check Log			
Material handler Log			
Acid Log ( If applicable )			
MgO Log ( If applicable )			
Qu	ality Document	S	
Daily Process Audit			
Daily Quality SCR Audit			
Daily Affirmation Lab Results CoA (Weekly Lot #)			
☐ Upon review of this batch record, initiation of a (#(s)	CAPA, Deviation, N	Non-Conformance, or OOS	was noted.
Production Signature	Initials	Date	
Quality Signature	Initials	Date	

Controlled Document



Company Form

Title: Daily Production Report - Days Number: P12-FM-100-009a
Owner: Jason Bumgarner Revision: 06

Effective Date: 07/07/2016 Page: 1 of 1



			<u> </u>	dic.07/07/2010		Tuge. Tol 1		
	<b>Date ar</b> /	nd Shift /	_ Days	LO	SO	МН	AO-1	AO-2
cks	Custom	ner		oduct Type	CO#	Amount Produced	SCR	Screened Type
Super Sacks								
Supe								
	Custom	ner	Pro	oduct Type	CO#	Amount	SCR	Screened
SS	Custon			sauct Type		Produced	Ser	Туре
Bags								
	L.1		44	Marri D. II	Me D 11	F::-1. 1	171	<b>117</b>
Jse	Film Roll Lot #	3	tart	New Roll	New Roll	Finished	Used	Waste
ilm (								
άF	Film	S	tart	New Roll	New Roll	Finished	Used	Waste
Pre-printed Film Use	Roll Lot#							
re-J								
	Film	S	tart	New Roll	New Roll	Finished	Used	Waste
	Roll Lot #			Weight of each				
T	otal Fines			TSF -				
Тс	otal Repack			CW	RP	RPS	RPM	RPO
	Sacks Ran							
		8	3:00	10:00	12:00	14:00	16:00	18:00
Tot	tal Tons @							
S	hift Rate							
	Production Goal				Total Tons Produced		Liquid Loads	
		# of I	Hoppers		# of Dust SS		# with No Tag	
	Salt Re-melt	# wit	h Tags	List of all barcode				
	Log			numbers re-melted				
Pr	roduction's		QA		Any Issues re	sulting in loss of	Production need to	be addressed
	Initials		Initi	als	on Prod	uction sheet and /	or Shift Transition	Report



Company Form

Title: Daily Production Report - Nights Number: P12-FM-100-009b
Owner: Jason Bumgarner Revision: 06





/	nd Shift	_ Nights	LO	SO	МН	AO-1	AO-2
Custom	ner		oduct Type	CO#	Amount Produced	SCR	Screened Type
Custom	ner	Pro	nduct Tyne	CO#	Amount	SCR	Screened
Custom		110	sauct Type	00 11	Produced	bek	Туре
Film	S	tart	New Roll	New Roll	Finished	Used	Waste
Roll Lot #			Trew Row	Tien Rou	1 misrica	Cseu	Traste
	Si	tart	New Roll	New Roll	Finished	Used	Waste
Rott Lot π							
Film	Si	tart	New Roll	New Roll	Finished	Used	Waste
Roll Lot#							
otal Fines			Weight of each TSF -				
tal Dama als			CW	RP	RPS	RPM	RPO
acks Ran							
	8	:00	10:00	12:00	14:00	16:00	18:00
al Tons @							
hift Rate							
Product	ion Goal			Total Tons Produced		Liquid Loads	
	# of F	Hoppers		# of Dust SS		# with No Tag	
Salt Re-melt	# wit	h Tags	List of all barcode				
Log			numbers re-melted				
oduction's							
	Film Roll Lot #  Film Roll Lot #  Film Roll Lot #  otal Fines  tal Repack acks Ran  al Tons @  hift Rate  Product  Salt Re-melt Log	Film S. Roll Lot #  Film S. Roll Lot #  Stal Fines  tal Repack acks Ran  8 al Tons @ hift Rate  Production Goal  # of F # wit Log	Customer Pro  Film Start  Roll Lot #  Film Start  Roll Lot #  Film Start  Roll Lot #  otal Fines  tal Repack acks Ran  8:00  al Tons @  hift Rate  Production Goal  # of Hoppers  # with Tags	Customer Product Type  Customer Product Type  Film Start New Roll  Roll Lot #  Production Goal  # of Hoppers  # with Tags    List of all barcode numbers re-melted	Customer Product Type CO #  Customer Product Type CO #  Customer Product Type CO #  Film Start New Roll New Roll  Film Start New Roll New Roll  Roll Lot #  Film Start New Roll New Roll  Roll Lot #  Film Start New Roll New Roll  Film Start New Roll New Roll  Film Start New Roll New Roll  And Fines Veight of each TSF -  CW RP  tal Repack acks Ran  8:00 10:00 12:00  al Tons @  fift Rate  Production Goal Total Tons  Produced  # of Hoppers # of Dust SS  # with Tags List of all barcode numbers re-melted  Duction's QA's Any Issues re-	Customer Product Type CO # Amount Produced  Customer Product Type CO # Amount Produced  Customer Product Type CO # Amount Produced  Film Start New Roll New Roll Finished  Roll Lot # Film Start New Roll New Roll Finished  Roll Lot # Film Start New Roll New Roll Finished  Roll Lot # Film Start New Roll New Roll Finished  Roll Lot # Film Start New Roll New Roll Finished  Roll Lot # Film Start New Roll New Roll Finished  Roll Lot # Film Start New Roll New Roll Finished  Roll Lot # Film Start New Roll New Roll Finished  Roll Lot # Finished  Total Tons @ Finished Finished  Re-melt Log # of Hoppers # of Dust SS  # with Tags List of all barcode numbers re-melted  Data Code  Roll Tons @ Finished Finished  Roll Lot # Finished Finished  Finished Finished	Customer Product Type CO# Amount Produced SCR  Customer Product Type CO# Amount Produced SCR  Customer Product Type CO# Amount Produced SCR  Film Start New Roll New Roll Finished Used  Roll Lot # Used  Film Start New Roll New Roll Finished Used  Roll Lot # Used  Film Start New Roll New Roll Finished Used  Roll Lot # Used  Film Start New Roll New Roll Finished Used  Roll Lot # Used  Film Start New Roll New Roll Finished Used  Roll Lot # Used  Film Start New Roll New Roll Finished Used  Roll Lot # Used  Film Start New Roll New Roll Finished Used  Roll Lot # Used  Total Times Ital Repack acks Ran  Remetation Goal Total Tons Produced  # of Hoppers # of Dust SS # with No Tag  # with Tags List of all barcode numbers re-melted broduction's QA's Any Issues resulting in loss of Production need to be detailed the control of the c



### Lot Production Record

Title: Digester Specific Gravity Number: P12-FM-100-006a

Owner: Jason Bumgarner Revision: 04
Effective Date: 07/07/2016 Page: 1 of 1



	1.410	8:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00	0:00	2:00	4:00	6:00
/ity	1 404												
Grav													
#1 Specific Gravity	1.385												
peci	1.378												
:1 S	1.366												
#	1.359										<u> </u>		
F	Results -												
y													
#2 Specific Gravity	1.404												
G.	1.391												
cific	1 378												
Spe	1.372												
#2	1.359												
F	Results -												
										!	•		
#3 Specific Gravity	1.404		. — — —										
Gra	1.398												
ific	1.385												
bec	1.378												
#3 S	1.366												
	1.359												
	Results -												
Time .		Action	taken w	hen out d	of limits		Time .		Action	taken wh	ien out o	f limits	
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-:   _:							: -:						
Day I	Hopper												
	ıll - ×/√												
ML S	5p.Gr. 27-1.32												
Mud	Temp												
	60-80C Sp.Gr.												
	38-1.41												
	Sp.Gr.												
	37-1.40 tials												
	TE:			<u>I</u>	1	Productio	n's Initial	S		(	A's Initia	ls	<u> </u>
					'		J minual	~					



Lot Production Record

Title: Digester pH Number: P12-FM-100-006b
Owner: Jason Bumgarner Revision: 05

Effective Date: 07/07/2016 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
	6.1												
- 1st Digester pH	5.3 4.6												
ster	3.8 3.0												
)ige	2.3 1.5												
st D	0.7												
- 1	Probe-												
#1													
	Paper -												
	6.9 6.1												
H	5.3												
er p	4.6 3.8												
gest	3.0 2.3												
Dig	1.5												
1st	0.7												
#2 - 1st Digester pH	Probe-												
11-	Paper -												
	6.9												
	6.1 5.3												
E pE	4.6												
ste	3.8 3.0												
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#3 - 1st Digester pH	0.7		•										
3 - 1	Probe-												
#	Paper -												
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Time ·		Action	taken wh	en out oj	limits		Time .		Action t	aken wn	en out of	umits	
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Reco	O/P												
Pots	Clean												
Cina	0/P												
Circ	Loops >40gpm												
MgO	Feed												
	gpm												
ML I	Feed 0-35gpm												
	itials												
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DA	ATE:				Pr	oduction	a's Initia	ls		Q.	A's Initia	ls	



Lot Production Record

Title: Process Specific Gravity Number: P12-FM-100-052
Owner: Jason Bumgarner Revision: 01

Owner: Jason Bumgarner Revision: 01
Effective Date: 07/07/2016 Page: 1 of 1



	1.410	8:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00	0:00	2:00	4:00	6:00
×	1.404												
ensit	1 201												
Mud Density	1.385 1.378												
Mı	1.372 1.366												
	1.359		<u> </u>				<u> </u>				<u> </u>		
F	Results -												
	1.410 1.404												
nsity	1 391												
Brine Density	1.385												
Brin	1.372												
	1.359												
F	Results -												
nsit													_
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Mother Liquor Densit	1 290												
her L	1.270												
Mot	1.260 1.250												
F	Results -												
Time		Action	taken w	hen out o	of limits		Time		Action	taken wh	ien out oj	f limits	
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_:							<del>`</del> _:						
	1												
Solids	3												
Sc	<u>4</u> 5												
	3		Check y	es or no	if all o	f the ite	ms belo	w are o	perating	correct	ily		
Fine	Salt												
City	Water												
	iller												
Ini	tials												
DA	ATE:					Productio	n's Initials			(	QA's Initial	S	

#### GILES CHEMICAL ~ PREMIER MAGNESIA Lot Production Record Number: P12-FM-100-007 Title: Crystallizer Temperatures Owner: Jason Bumgarner Revision: 05 Effective Date: 07/07/2016 Page: 1 of 1 7:00 11:00 13:00 15:00 17:00 19:00 21:00 23:00 1:00 3:00 5:00 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 Crystallizer 31.44 30.72 30.00 29.28 28.56 27.84 27.12 Results-4 Crystallizer 31.44 30.72 30.00 29.28 28.56 27.84 27.12 Results-32.88 32.16 5 Crystallizer 31.44 30.72 30.00 29.28 28.56 27.84 27.12 Results-Action taken when out of limits Action taken when out of limits Time Time **Initials** DATE: Production's Initials QA's Initials



Lot Production Record

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

Owner: Jason Bumgarner Revision: 04
Effective Date: 07/07/2016 Page: 1 of 1



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		7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	1:00	3:00	5:00
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d	37.2												
ui:	36.4												
T(	35.7												
alt	35.7												
Š	212												
'er	22.6												
Dryer Salt Temp	33.0												
D				1	1	1	1	1	1	1		1	
K	teading -												
		7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	1:00	3:00	5:00
	27.9												
đι	27.2												
Cooler Salt Temp	26.4												
L	25.7												
alt	25.0												
S	24.3												
le	23.6												
Įŏ	22.8												
	22.1												
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×	50.85												
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ght Check	50.35												
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50													
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	Results -	•	<u></u>	<u> </u>	<u> </u>	<u> </u>	<u></u>	<u></u>	<u></u>		<u> </u>	<u> </u>	
Time		Actio	n taken v	vhen out c	of limits		Time		Action	taken wh	hen out o	f limits	
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Ini	itials			1									
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$\mathbf{D}^{A}$	ATE:					Production	on's Initial	ls		(	QA's Initia	ls	
		<u> </u>											



**Company Form** 

Title: Material Handler Log Number: P12-FM-100-008

Owner: Jason Bumgarner Revision: 04
Effective Date: 07/07/2016 Page: 1 of 1



	Mg	O Supply			Acid Su	pply	
	#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			
	OFFLOADING -			OFFLOADING -			
		07:00	13:00	Acid at tanks			
ft	MgO rotary Valve check			Acid Line check			
Shį	Clean Mixing Pot			Acid at Digesters			
Day Shift	Air C	ompressor			Boiler Cl	necks	
		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			
				1	C	perator	_Time
	Mge	O Supply			Acid Su	pply	
	#1 ( P or B) ~ Feed :	Level :		CHECKS	19:00	23:00	03:00
	#2 ( P or B) ~ Feed :	Level :		Car, Chocks, Sign & Lock			
	#3 ( P or B) ~ Feed :	Level :		Tank Level graph			
	OFFLOADING -			OFFLOADING-		1	
		19:00	01:00	Acid at tanks			
ift	MgO rotary Valve check			Acid Line check			
: Shift	Clean Mixing Pot			Acid at Digesters			
Night	Air C	ompressor			Boiler Cl	necks	
<b>V</b>		19:00	03:00		19:00	23:00	03:00
	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 / #3			
				Level in Boiler Feed Tank			
					0	perator-	Time
Date:	/	Operator's Initials		Production's Initials		QA's Initials	



**Company Form** 

Title: Process Check Log Number: P15-FM-100-055

Owner: Jason Bumgarner Revision: 01
Effective Date: 07/07/2016 Page: 1 of 1



	Crystal	Production		Environmental					
		07:00	13:00			07:00	13:00		
	Gauges (×/√)			Dust Colle	ector (psi)				
	Dehumidifier ( <b>x</b> /√ )			Scrubber 1	- (in H20)				
	Chiller (°F)								
ift	Salt Condition								
Day Shift				1					
Da	Recovery an	d Waste Water			(	Other			
		07:00	13:00			07:00	13:00		
	Tank Check			Screener (	greased?)				
	Drain Box			Centrifuge ( v	vash/Check)				
	Drain Screen- Digester								
	Drain Screen - Dryer								
					(	Operator			
	Crystal	Production			Envi	ronmental			
		19:00	1:00			19:00	1:00		
	Gauges ( ×/√)			Dust Colle	ector (psi)				
	Dehumidifier ( ×/√ )			Scrubber 1	- (in H20)				
	Chiller (°F)								
ifi	Salt Condition								
t Sh	_								
Night Shift	Recovery an	d Waste Water				Other			
		19:00	1:00			19:00	1:00		
	Tank Check			Screener (	greased?)				
	Drain Box			Centrifuge ( v	vash/Check)				
	Drain Screen- Digester								
	Drain Screen - Dryer								
					(	Operator			
						1			
Date:	//	Operator's Initials		Production's Initials		QA's Initials			



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23

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# GILES CHEMICAL ~ PREMIER MAGNESIA

**Company Form** 

Title: Pallet Count Worksheet Number: P12-FM-100-010

Owner: Ashley Williams Revision: 3
Effective Date: 5/18/2016 Page: 1 of 1



L	ot Number:			Date:			,/_		_/	Shift	:: D	/ N	– L.O.:		_ S.C	).:
F	ID: ïlm Lot: Film #: Bin	1   1	Film L Film #:	ot:	F	ilm Lo ilm #:_	ot:	Fil Fi	m Lot: lm #:		Fi Fi	lm Lo lm #:_	t:	F F	ilm Lo ilm #:_	t:
	1		1			1			1			1			1	
	2		2			2			2			2			2	
	3		3			3			3			3			3	
	4		4			4			4			4			4	
	5		5			5			5			5			5	
	6		6			6			6			6			6	
	7		7			7			7			7			7	
	8		8			8			8			8			8	
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	21		21			21			21			21			21	
	22		22			22			22		Ī	22			22	

| Total Bags |
|------------|------------|------------|------------|------------|------------|
|            |            |            |            |            |            |
| Total Tons |
|            |            |            |            |            |            |

23

24

23

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## GDP does not apply to this document

### **Controlled Document**