
	GILES CHEMICAL ~ PREMIER MAGNESIA Lot Production Record		
	Title: Lot Production Record	Number: P13-FM-100-041	
	Owner: Jason Bumgarner	Revision: 01	
	Effective Date: 06/01/13	Page: 1 of 1	

LOT PRODUCTION RECORD

Date		
Lot Number		
	DAY	NIGHT
Lead Operator		
Salt Operator		
Material Handler		
Assistant Operator I		
Assistant Operator II		

Completed paper work for lot record

✓ or ✕

Daily Production Report (Day)	
Pallet count - Work Sheet	
Daily Production Report (Night)	
Pallet count - Work Sheet	

^4 SPC Charts

Crystallizer temperature log	
Dryer Salt temp log	
Digester Specific Gravity Log	
Digester pH log	

^3 Process Upkeep Logs

Material handler Log	
Acid Log (If applicable)	
MgO Log (If applicable)	

All daily records are to be completed, signed, dated and stapled together with this cover sheet. The Night shift Lead Operator is responsible for the daily lot record

Lead Days		Lead Nights		Manager's Initials		QA's Initials	
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		GILES CHEMICAL ~ PREMIER MAGNESIA Lot Production Record					
		Title: Daily Production Report - Days		Number: P12-FM-100-009a			
		Owner: Jason Bumgarner		Revision: 01			
		Effective Date: 06/01/13		Page: 1 of 1			

Date and Shift ____ / ____ / ____ DAYS		LO	SO	MH	AO-1	AO-2
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SCR Code	Number of Bags produced	Product ID	Customer	Screened yes / no	O - M - MO - F <small>Overs/Middle/No Fines/Fines</small>

Total Fines		Weight of each TSF -				
Total RePack Sacks Ran		CW	RP	RPS	RPM	RPO

Production Goal		Total Tons Produced		Liquid Loads	
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	8:00	10:00	12:00	14:00	16:00	18:00
Dust Collector <small>>25</small>						
Dehumidifier <small>x/✓</small>						
Guage Check <small>x/✓</small>						
Product <small>Type</small>						
Rate Check <small>Total Tons</small>						
Initials						

Label Control	Beginning of Shift	Beginning of shift	Produced	End of Shift	Waste	+ / -
	1					
	2					
	3					
	4					
	6					

Manager's Initials		QA's Initials		Any Issues resulting in loss of Production need to be addressed on Production sheet and / or Shift Transition Report
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		GILES CHEMICAL ~ PREMIER MAGNESIA Lot Production Record					
		Title: Daily Production Report - Nights		Number: P12-FM-100-009b			
		Owner: Jason Bumgarner		Revision: 01			
		Effective Date: 06/01/13		Page: 1 of 1			

Date and Shift ____ / ____ / ____		LO	SO	MH	AO-1	AO-2
NIGHTS						

SCR Code	Number of Bags produced	Product ID	Customer	Screened yes / no	O - M - MO - F <small>Overs/Middle/No Fines/Fines</small>

Total Fines		Weight of each TSF -				
Total RePack Sacks Ran		CW	RP	RPS	RPM	RPO

Production Goal		Total Tons Produced		Liquid Loads	
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	20:00	22:00	0:00	2:00	4:00	6:00
Dust Collector						
>25						
Dehumidifier						
x/✓						
Guage Check						
x/✓						
Product						
Type						
Rate Check						
Total Tons						
Initials						

Label Control	Beginning of Shift	Beginning of shift	Produced	End of Shift	Waste	+ / -
	1					
	2					
	3					
	4					
	6					

Manager's Initials		QA's Initials		Any Issues resulting in loss of Production need to be addressed on Production sheet and / or Shift Transition Report
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GILES CHEMICAL ~ PREMIER MAGNESIA
Lot Production Record

Title: **Crystallizer Temperatures**
Owner: **Jason Bumgarner**
Effective Date: **06/01/14**

Number: **P12-FM-100-007**
Revision: **02**
Page: **1 of 1**



	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	1:00	3:00	5:00
1 Crystallizer Temp	32.88											
	32.16											
	31.44											
	30.72											
	30.00											
	29.28											
	28.56											
	27.84											
	27.12											
	Results-											

2 Crystallizer Temp	32.88											
	32.16											
	31.44											
	30.72											
	30.00											
	29.28											
	28.56											
	27.84											
	27.12											
	Results-											

3 Crystallizer Temp	32.88											
	32.16											
	31.44											
	30.72											
	30.00											
	29.28											
	28.56											
	27.84											
	27.12											
	Results-											

4 Crystallizer Temp	32.88											
	32.16											
	31.44											
	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												
130-160												
Fine Salt												
on/off												
Chiller												
on/off												
City Water												
on/off												
Initials												

DATE:		Lead's Initials		Manager's Initials		QA's Initials	
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GILES CHEMICAL ~ PREMIER MAGNESIA
Lot Production Record



Title: **Digester Specific Gravity** Number: **P12-FM-100-006a**
Owner: **Jason Bumgarner** Revision: **01**
Effective Date: **06/01/13** Page: **1 of 1**

	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 Specific Gravity	1.410											
	1.404											
	1.398											
	1.391											
	1.385											
	1.378											
	1.372											
	1.366											
	1.359											
	Results -											

#2 Specific Gravity	1.410											
	1.404											
	1.398											
	1.391											
	1.385											
	1.378											
	1.372											
	1.366											
	1.359											
	Results -											

#3 Specific Gravity	1.410											
	1.404											
	1.398											
	1.391											
	1.385											
	1.378											
	1.372											
	1.366											
	1.359											
	Results -											

Time	Action taken when out of limits	Time	Action taken when out of limits
—:—		—:—	
—:—		—:—	
—:—		—:—	

Day Hopper <i>full - x/✓</i>												
ML Sp.Gr. <i>1.27-1.32</i>												
Mud Temp <i>60-80C</i>												
Mud Sp.Gr. <i>1.38-1.41</i>												
Brine Sp.Gr. <i>1.37-1.40</i>												
Initials												

DATE:		Lead	Day Night		Manager's Initials		QA's Initials	
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	GILES CHEMICAL ~ PREMIER MAGNESIA Lot Production Record											
	Title: Digester pH				Number: P12-FM-100-006b							
	Owner: Jason Bumgarner				Revision: 01							
	Effective Date: 06/01/13				Page: 1 of 1							

	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 - 1st Digester pH	6.9											
	6.1											
	5.3											
	4.6											
	3.8											
	3.0											
	2.3											
	1.5											
	0.7											
	Results -											

	8:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00	0:00	2:00	4:00	6:00
#2 - 1st Digester pH	6.9											
	6.1											
	5.3											
	4.6											
	3.8											
	3.0											
	2.3											
	1.5											
	0.7											
	Results -											

	8:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00	0:00	2:00	4:00	6:00
#3 - 1st Digester pH	6.9											
	6.1											
	5.3											
	4.6											
	3.8											
	3.0											
	2.3											
	1.5											
	0.7											
	Results -											

Time	Action taken when out of limits	Time	Action taken when out of limits
—:—		—:—	
—:—		—:—	
—:—		—:—	

Recovery												
x/✓												
Pots Clean												
x/✓												
Circ Loops												
>40gpm												
MgO Feed												
gpm												
ML Feed												
20-35gpm												
Initials												

DATE:		Lead	Day Night		Manager's Initials		QA's Initials	
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	GILES CHEMICAL ~ PREMIER MAGNESIA Lot Production Record		
	Title: Dryer Salt Temp	Number: P12-FM-100-005	
	Owner: Jason Bumgarner	Revision: 01	
Effective Date: 06/01/13		Page: 1 of 1	

	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	1:00	3:00	5:00	
Dryer Salt Temp	37.9												
	37.2												
	36.4												
	35.7												
	35.0												
	34.3												
	33.6												
	32.8												
	32.1												
	Reading -												

	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	1:00	3:00	5:00	
Cooler Salt Temp	27.9												
	27.2												
	26.4												
	25.7												
	25.0												
	24.3												
	23.6												
	22.8												
	22.1												
	Reading -												

	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	1:00	3:00	5:00	
2000-lb Weight Check	2030												
	2024												
	2017												
	2011												
	2004												
	1997												
	1991												
	1984												
	1977												
	Results -												

	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	1:00	3:00	5:00	
50-lb Weight Check	50.85												
	50.68												
	50.51												
	50.35												
	50.18												
	50.01												
	49.85												
	49.68												
	49.51												
	Results -												

<i>Time</i>	<i>Action taken when out of limits</i>	<i>Time</i>	<i>Action taken when out of limits</i>
⋮		⋮	
⋮		⋮	
⋮		⋮	

Initials											
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DATE:		Lead	Day	Night		Manager's Initials		QA's	Initials	
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GILES CHEMICAL ~ PREMIER MAGNESIA
Lot Production Record

Title: **Material Handler Log** Number: **P12-FM-100-008**
Owner: **Jason Bumgarner** Revision: **01**
Effective Date: **06/01/13** Page: **1 of 1**



Day Shift	MgO Supply			Acid Supply			
	#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			
	MgO rotary Valve check			Acid Line check			
	Clean Mixing Pot			Acid at Digesters			

Air Compressor			Boiler Checks			
	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			
Operator - _____ Time _____						

Night Shift	MgO Supply			Acid Supply			
	#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			
		19:00	01:00	Acid at tanks			
	MgO rotary Valve check			Acid Line check			
	Clean Mixing Pot			Acid at Digesters			

Air Compressor			Boiler Checks			
	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			
Test Water Drain Valve			Level in Boiler Feed Tank			
(Acid air compressor)						
Operator - _____ Time _____						

DATE: _____ / _____ / _____	Lead's Initials		Manager's Initials		QA's Initials	
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