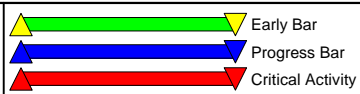


Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	Mnhr Budget	2003	
							10	MAR 17
M306 2003 k1 Outage Plan for Maryneal, TX								
0105 Raw Grinding								
K1 Kiln 1								
LS Lynn Squires								
01051403								
P107733	Mech PM for #1 HORIZONTAL SCREW TO KILN FE	1	14MAR03 16:00	14MAR03 16:59	67	1.00		▲ Mech PM for #1 HORIZONTAL SCREW TO KILN FE
01051405 #1 Kiln Feed Elevator W/Motor								
P107736	Mech PM for #1 KILN FEED ELEVATOR W/MOTOR	6	14MAR03 10:00	14MAR03 15:59	67	2.00		▲ Mech PM for #1 KILN FEED ELEVATOR W/MOTOR
01051434 #1 Kiln F.K. Pump 8" w/Motor								
P107737	Mech PM for #1 KILN F.K. PUMP 8" W/MOTOR &	25	12MAR03 07:00	14MAR03 09:59	67	50.00		▲ Mech PM for #1 KILN F.K. PUMP 8" W/MOTOR
01051436 #1 Kiln F.K. Compressor								
P107739	Mech PM for #1 KILN F.K. COMPRESSOR (C135	6	14MAR03 17:00	15MAR03 11:59	67	6.00		▲ Mech PM for #1 KILN F.K. COMPRESSOR
01051497 #1 Kiln Inclined Feed Screw								
P107746	Mech PM for #1 KILN INCLINED FEED SCREW	1	15MAR03 12:00	15MAR03 12:59	68	1.00		▲ Mech PM for #1 KILN INCLINED FEED SCREW
0110 Fuel Prep								
CS Coal System								
LS Lynn Squires								
01108056 Coal Belt 14A - South Over #1								
P107750	Mech PM for COAL BELT 14A - SOUTH OVER #1	1	10MAR03 07:00	10MAR03 07:59	120	1.00		▲ Mech PM for COAL BELT 14A - SOUTH OVER #1

Start Date 10MAR03 00:00
 Finish Date 21MAR03 15:59
 Data Date 10MAR03 00:00
 Run Date 11FEB03 09:10

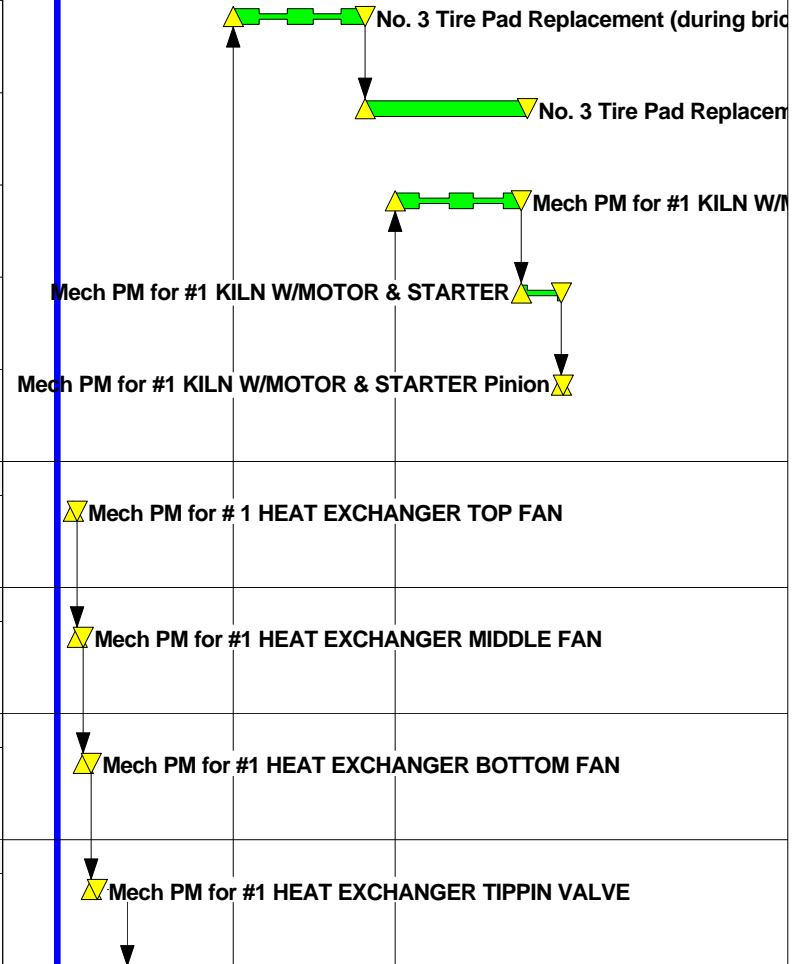


M306 Sheet 1 of 6
 Lonestar, Industries
 2003 k1 Outage Plan for Maryneal, TX
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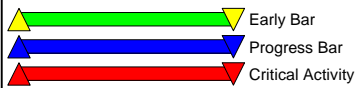


Date	Revision	Checked	Approved

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	Mnhr Budget	2003	
							10	MAR 17
0125 Kiln & Cooler								
K1 Kiln 1								
LS Lynn Squires								
01251400 #1 Kiln w/Motor & Starter								
C122750.1	No. 3 Tire Pad Replacement (during brick)	33	13MAR03 07:00	15MAR03 17:59	31	66.00		
C122750.2	No. 3 Tire Pad Replacement (after brick)	72	15MAR03 18:00	18MAR03 17:59	70	144.00		
P107772	Mech PM for #1 KILN W/MOTOR & STARTER	30	16MAR03 07:00	18MAR03 14:59	27	60.00		
P107770	Mech PM for #1 KILN W/MOTOR & STARTER	5	18MAR03 15:00	19MAR03 08:59	27	5.00		
P107771	Mech PM for #1 KILN W/MOTOR & STARTER Pinion	1	19MAR03 09:00	19MAR03 09:59	27	1.00		
01251401 #1 Heat Exchanger Top Fan								
P107774	Mech PM for # 1 HEAT EXCHANGER TOP FAN	2	10MAR03 07:00	10MAR03 08:59	114	2.00		
01251402 #1 Heat Exchanger Middle Fan								
P107776	Mech PM for #1 HEAT EXCHANGER MIDDLE FAN	3	10MAR03 09:00	10MAR03 11:59	114	3.00		
01251403 #1 Heat Exchanger Bottom Fan								
P107778	Mech PM for #1 HEAT EXCHANGER BOTTOM FAN	3	10MAR03 12:00	10MAR03 14:59	114	3.00		
01251404 #1 Heat Exchanger Tippin Valve								
P107780	Mech PM for #1 HEAT EXCHANGER TIPPIN VALVE	3	10MAR03 15:00	10MAR03 17:59	114	10.00		



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 Finish Date 21MAR03 15:59
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 Run Date 11FEB03 09:10



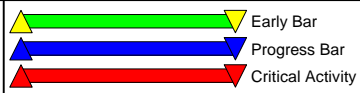
M306 Sheet 2 of 6
 Lonestar, Industries
 2003 k1 Outage Plan for Maryneal, TX
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Date	Revision	Checked	Approved

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	Mnhr Budget	2003	
							MAR	
							10	17
01251405	#1 Heat Exchanger Dust Screw							
P107783	Mech PM for #1 HEAT EXCHANGER DUST SCREW	2	11MAR03 07:00	11MAR03 08:59	114	2.00		
01251413	#1 Clinker Cooler w/Motor & Starter							
P107786	Mech PM for #1 CLINKER COOLER W/MOTOR, STA	66	10MAR03 07:00	15MAR03 17:59	0	286.00		
P107784	Mech PM for #1 CLINKER COOLER W/MOTOR, STA	1	11MAR03 09:00	11MAR03 09:59	114	1.00		
01251414								
P107787	Mech PM for #1 COOLER, #N-1 PLATTCO VALVE	1	11MAR03 16:00	11MAR03 16:59	50	1.00		
P107788	Mech PM for #1 COOLER, #N-2 PLATTCO VALVE	1	11MAR03 17:00	11MAR03 17:59	50	1.00		
P107789	Mech PM for #1 COOLER, #N-3 PLATTCO VALVE	1	12MAR03 07:00	12MAR03 07:59	50	1.00		
P107790	Mech PM for #1 COOLER, #N-4 PLATTCO VALVE	1	12MAR03 08:00	12MAR03 08:59	50	1.00		
P107791	Mech PM for #1 COOLER, #N-5 PLATTCO VALVE	1	12MAR03 09:00	12MAR03 09:59	50	1.00		
P107792	Mech PM for #1 COOLER, #N-6 PLATTCO VALVE	1	12MAR03 10:00	12MAR03 10:59	50	1.00		
P107793	Mech PM for #1 COOLER, #S-1 PLATTCO VALVE	1	12MAR03 11:00	12MAR03 11:59	50	1.00		
P107794	Mech PM for #1 COOLER, #S-2 PLATTCO VALVE	1	12MAR03 12:00	12MAR03 12:59	50	1.00		
P107795	Mech PM for #1 COOLER, #S-3 PLATTCO VALVE	1	12MAR03 13:00	12MAR03 13:59	50	1.00		

Start Date 10MAR03 00:00
 Finish Date 21MAR03 15:59
 Data Date 10MAR03 00:00
 Run Date 11FEB03 09:10



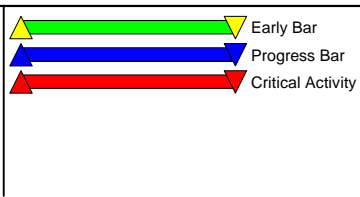
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 Lonestar, Industries
 2003 k1 Outage Plan for Maryneal, TX
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Date	Revision	Checked	Approved

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	Mnhr Budget	2003	
							10	MAR 17
P107796	Mech PM for #1 COOLER, #S-4 PLATTCO VALVE	1	12MAR03 14:00	12MAR03 14:59	50	1.00		⚠ Mech PM for #1 COOLER, #S-4 PLATTCO VALVE
P107797	Mech PM for #1 COOLER, #S-5 PLATTCO VALVE	1	12MAR03 15:00	12MAR03 15:59	50	1.00		⚠ Mech PM for #1 COOLER, #S-5 PLATTCO VALVE
P107798	Mech PM for #1 COOLER, #S-6 PLATTCO VALVE	1	12MAR03 16:00	12MAR03 16:59	50	1.00		⚠ Mech PM for #1 COOLER, #S-6 PLATTCO VALVE
01251415	#1 Cooler, #1 Compartment Fan							
P107800	Mech PM for #1 COOLER,#1 COMPARTMENT FAN	4	12MAR03 17:00	13MAR03 09:59	50	4.00		▶ Mech PM for #1 COOLER,#1 COMPARTMENT FAN
01251417	#1 Cooler, #2 Compartment Fan							
P107804	Mech PM for #1 COOLER,#2 COMPARTMENT FAN	3	13MAR03 10:00	13MAR03 12:59	50	3.00		⚠ Mech PM for #1 COOLER,#2 COMPARTMENT FAN
01251419	#1 Cooler, #3 Compartment Fan							
P107806	Mech PM for #1 COOLER,#3 COMPARTMENT FAN	4	13MAR03 13:00	13MAR03 16:59	50	4.00		⚠ Mech PM for #1 COOLER,#3 COMPARTMENT FAN
01251420	#1 Cooler, #4 Compartment Fan							
P107809	Mech PM for #1 COOLER,#4 COMPARTMENT FAN	4	13MAR03 17:00	14MAR03 09:59	50	4.00		▶ Mech PM for #1 COOLER,#4 COMPARTMENT FAN
01251421	#1 Kiln Nose Ring Fan w/Motor							
P107811	Mech PM for #1 KILN NOSE RING FAN W/MOTOR	4	14MAR03 10:00	14MAR03 13:59	50	4.00		⚠ Mech PM for #1 KILN NOSE RING FAN W/MOT
01251423	#1 Clinker Breaker w/Motor							
P107814	Mech PM for #1 CLINKER BREAKER W/MOTOR &	9	16MAR03 07:00	16MAR03 15:59	0	18.00		⚠ Mech PM for #1 CLINKER BREAKER
01251429	#1 Cooler Drag w/Motor & Starter							
P107819	Mech PM for #1 COOLER DRAG W/MOTOR & START	1	14MAR03 14:00	14MAR03 14:59	50	1.00		⚠ Mech PM for #1 COOLER DRAG W/MOTOR &
P107817	Mech PM for #1 COOLER DRAG W/MOTOR & START	44	16MAR03 16:00	20MAR03 15:59	9	130.00		▶ Mech PM for #1 COOLER DRAG W/MOTOR & START

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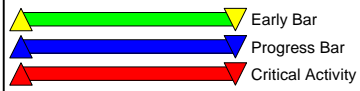
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 Lonestar, Industries
 2003 k1 Outage Plan for Maryneal, TX
 Area / System / Foreman / Equipment No.

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Date	Revision	Checked	Approved

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	Mnhr Budget	2003	
							10	MAR 17
01251431 #1 Clinker Elevator w/Bypass								
P107820	Mech PM for #1 CLINKER ELEVATOR W/ BYPASS	1	14MAR03 15:00	14MAR03 15:59	50	1.00		▲ Mech PM for #1 CLINKER ELEVATOR W/ BYP
P107821	Mech PM for #1 CLINKER ELEVATOR W/ BYPASS	6	14MAR03 16:00	15MAR03 10:59	50	11.00		▲ Mech PM for #1 CLINKER ELEVATOR W/
01251442 #1 Kiln Seal Dust Return Screw								
P107825	Mech PM for #1 KILN SEAL DUST RETURN SCREW	1	15MAR03 11:00	15MAR03 11:59	50	1.00		▲ Mech PM for #1 KILN SEAL DUST RETUR
01251468 #1 KDC Dust Return Screw								
P107849	Mech PM for #1 K.D.C. DUST RET. SCREW (NEW)	1	15MAR03 12:00	15MAR03 12:59	50	1.00		▲ Mech PM for #1 K.D.C. DUST RET. SCRE
01251485 #1 Kiln ID Fan w/Motor & Starter								
P107858	Mech PM for #1 KILN I.D.FAN W/MOTOR STAR	5	15MAR03 13:00	15MAR03 17:59	50	5.00		▲ Mech PM for #1 KILN I.D.FAN W/MOTOR
TEMP								
BRICK	Kiln Refractory	66	10MAR03 07:00	15MAR03 17:59	0	0.00		▲ Kiln Refractory
K1CCDC K1 Clinker Cooler Dust Collector								
LS Lynn Squires								
01251509 #1 Cooler w/B Gas Inlet Chamber								
P107863	Mech PM for #1 COOLER W/B GAS INLET CHMBR	1	10MAR03 08:00	10MAR03 08:59	126	1.00		▲ Mech PM for #1 COOLER W/B GAS INLET CHMBR
01251514 #1 Cooler Wheely Screw C6-V1								
P107867	Mech PM for #1 COOLER WHEELY SCREW C6-V1	1	10MAR03 09:00	10MAR03 09:59	126	1.00		▲ Mech PM for #1 COOLER WHEELY SCREW C6-V1

Start Date 10MAR03 00:00
 Finish Date 21MAR03 15:59
 Data Date 10MAR03 00:00
 Run Date 11FEB03 09:10



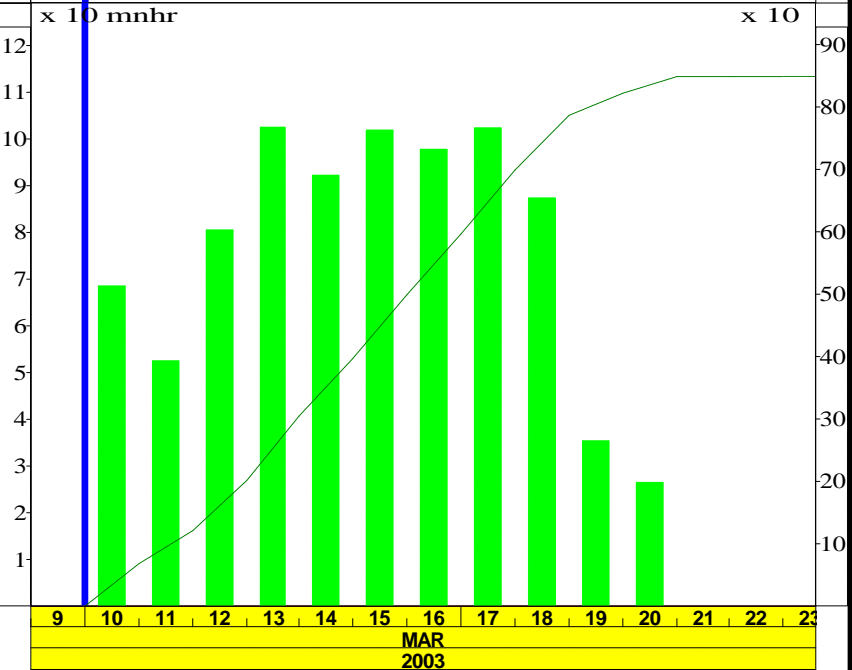
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 Lonestar, Industries
 2003 k1 Outage Plan for Maryneal, TX
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Date	Revision	Checked	Approved

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	Mnhr Budget	2003	
							MAR	
							10	17
K1WDC K1 Wheelabrator Dust Collector								
LS Lynn Squires								
01251463 12 Screw Conveyor No. 1 53-V2								
P107841	Mech PM for 12 SCREW CONVEYOR NO.1 53-V2	1	16MAR03 07:00	16MAR03 07:59	59	1.00	⚠ Mech PM for 12 SCREW CONVEYOR	
01251465 12 Screw Conveyor No. 2 53-V2								
P107844	Mech PM for 12 SCREW CONVEYOR NO. 2 53-V3	1	16MAR03 08:00	16MAR03 08:59	59	1.00	⚠ Mech PM for 12 SCREW CONVEYOR	
01251467 12 Screw Conveyor No. 3 53-V4								
P107846	Mech PM for 12 SCREW CONVEYOR NO. 3 53-V4	1	16MAR03 09:00	16MAR03 09:59	59	1.00	⚠ Mech PM for 12 SCREW CONVEYOR	
01251469 #1 KDC Elevator Feed Screw								
P107852	Mech PM for #1 K.D.C. ELEVATOR FEED SCREW	1	16MAR03 10:00	16MAR03 10:59	59	1.00	⚠ Mech PM for #1 K.D.C. ELEVATOR F	

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	Mnhr Budget
01251463	12 Screw Conveyor No. 1 53-V2	1	16MAR03 07:00	16MAR03 07:59	59	1.00
01251465	12 Screw Conveyor No. 2 53-V2	1	16MAR03 08:00	16MAR03 08:59	59	1.00
01251467	12 Screw Conveyor No. 3 53-V4	1	16MAR03 09:00	16MAR03 09:59	59	1.00
01251469	#1 KDC Elevator Feed Screw	1	16MAR03 10:00	16MAR03 10:59	59	1.00



Start Date	10MAR03 00:00		Early Bar
Finish Date	21MAR03 15:59		Progress Bar
Data Date	10MAR03 00:00		Progress Bar
Run Date	11FEB03 09:10		Critical Activity

M306	
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Lonestar, Industries

2003 k1 Outage Plan for Maryneal, TX

Area / System / Foreman / Equipment No.

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