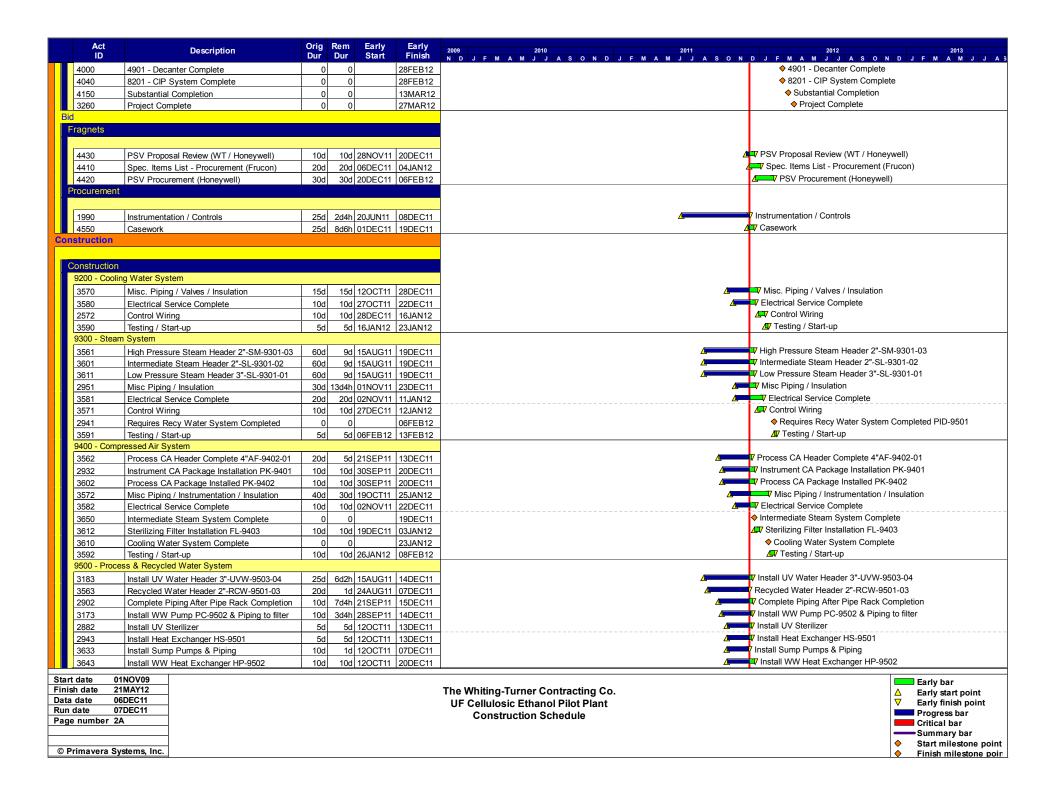
Act ID	Description	Orig Dur	Rem Dur	Early Start	Early Finish	2009	2012 2013 D J F M A M J J A S O N D J F M A M J J A		
Pre-Construct	ion								
Milestones									
4260	8403 - Lime System Begin Mech Start-up	0	0	30DEC11		_	♦ 8403 - Lime System Begin Mech Start-up		
4380	UF Ribbon Cutting Ceremony (JAN 9)	0		10JAN12		-	♦ UF Ribbon Cutting Ceremony (JAN 9)		
3740	9700 - Potable Water System Complete	0			11JAN12	-	♦ 9700 - Potable Water System Complete		
4270	8502 - Base B Sys Begin Mech Start-up	0		12JAN12	TIOAIVIZ	-	♦ 8502 - Base B Sys Begin Mech Start-up		
2220	7201 - CO2 Scrubber Begin Mech Start-up	0		16JAN12		-	♦ 7201 - CO2 Scrubber Begin Mech Start-up		
1720	9200 - CW System Complete	0			23JAN12		♦ 9200 - CW System Complete		
4240	7202 - Bleach Scrubber Begin Mech Start-up	0		23JAN12	200/1112	-	♦ 7202 - Bleach Scrubber Begin Mech Start-up		
4060	8302 - Antifoam Tote Station Complete	0	_		24JAN12	-	♦ 8302 - Antifoam Tote Station Complete		
3980	-	0	0		25JAN12	-	♦ 3214 - Vessel Jacket Pumps Complete		
3980	3214 - Vessel Jacket Pumps Complete	0			26JAN12	-	♦ 3213 - Antifoam System Complete		
	3213 - Antifoam System Complete	0					♦ 8303 - Cellulase System Complete		
4070	8303 - Cellulase System Complete	0	_		26JAN12	-	◆ 8301 - Acid/Base Begin Mech Start-up		
2890	8301 - Acid/Base Begin Mech Start-up	-		30JAN12	0055540	-	◆ 8101 - Acid/Base Begin Mech Start-up ◆ 8101 - Phosphoric Acid System Complete		
4030	8101 - Phosphoric Acid System Complete	0			02FEB12	_			
4090	8501 - Aqueous Ammonia System Complete	0	_		02FEB12	-	♦ 8501 - Aqueous Ammonia System Complete		
4280	4601 - Beerwell Begin Mech Start-up	0		03FEB12	00555040		♦ 4601 - Beerwell Begin Mech Start-up		
3440	9500 - Process & Recycled Water Complete	0			06FEB12	-	♦ 9500 - Process & Recycled Water Complete		
3930	3208 - Storage Tank System Complete	0	_		06FEB12	-	◆ 3208 - Storage Tank System Complete		
4010	7201 - CO2 Scrubber System Complete	0			06FEB12	_	♦ 7201 - CO2 Scrubber System Complete		
4020	7202 - Bleach Scrubber System Complete	0			06FEB12	_	♦ 7202 - Bleach Scrubber System Complete		
4080	8403 - Lime System Complete	0	_		06FEB12		♦ 8403 - Lime System Complete		
2200	9600 - HW System Complete	0			07FEB12	_	♦ 9600 - HW System Complete		
3270	9400 - CA System Complete	0			08FEB12		♦ 9400 - CA System Complete		
4140	Honeywell Control System Complete	0			08FEB12	_	♦ Honeywell Control System Complete		
4160	2300 - Liquefaction Begin Mech Start-up	0		09FEB12			2300 - Liquefaction Begin Mech Start-up		
4170	3201 - Propagator 1A Begin Mech Start-up	0	_	09FEB12			♦ 3201 - Propagator 1A Begin Mech Start-up		
4180	3202 - Propagator 2A Begin Mech Start-up	0	0	09FEB12			3202 - Propagator 2A Begin Mech Start-up		
4190	3203 - Propagator 3A Begin Mech Start-up	0	0	09FEB12			 3203 - Propagator 3A Begin Mech Start-up 		
4200	3204 - Propagator 3B Begin Mech Start-up	0	0	09FEB12			3204 - Propagator 3B Begin Mech Start-up		
4210	3205 - Fermentors A/B/C Begin Mech Start-up	0	0	09FEB12			3205 - Fermentors A/B/C Begin Mech Start-up		
4220	3209 - Propagator 1B Begin Mech Start-up	0	0	09FEB12			 3209 - Propagator 1B Begin Mech Start-up 		
4230	3210 - Propagator 2B Begin Mech Start-up	0	0	09FEB12			3210 - Propagator 2B Begin Mech Start-up		
1780	9300 - Steam System Complete	0	0		13FEB12		 9300 - Steam System Complete 		
4250	8201 - CIP Begin Mech Start-up	0	0	14FEB12			♦ 8201 - CIP Begin Mech Start-up		
3960	3211 - Trace Metals System Complete	0	0		16FEB12]	◆ 3211 - Trace Metals System Complete		
4050	8301 - Acid / Base Drum Unloading Complete	0	0		20FEB12]	♦ 8301 - Acid / Base Drum Unloading Complete		
4100	8501 - Base B System Complete	0		1	20FEB12		♦ 8501 - Base B System Complete		
3860	2100 - Pretreatment System Complete	0			27FEB12	1	♦ 2100 - Pretreatment System Complete		
3870	2300 - Liquefaction System Complete	0			28FEB12	1	♦ 2300 - Liquefaction System Complete		
3880	3201 - Propagator 1A Complete	0			28FEB12	1	♦ 3201 - Propagator 1A Complete		
3890	3202 - Propagator 2A Complete	0			28FEB12	-	♦ 3202 - Propagator 2A Complete		
3900	3203 - Propagator 3A Complete	0			28FEB12		♦ 3203 - Propagator 3A Complete		
3910	3204 - Propagator 3B Complete	0	_		28FEB12	1	◆ 3204 - Propagator 3B Complete		
3920	3205 - Fermentors A/B/C Complete	0			28FEB12	-	◆ 3205 - Fermentors A/B/C Complete		
3940	3209 - Propagator 1B Complete	0	- ·		28FEB12	-	♦ 3209 - Propagator 1B Complete		
3950	3210 - Propagator 1B Complete	0			28FEB12	-	◆ 3210 - Propagator 2B Complete		
3990	4601 - Beerwell System Complete	0			28FEB12		♦ 4601 - Beerwell System Complete		
3990	14001 - Decimen System Complete	1 0	1 0		ZUFED IZ		V 4001 Decimen dystem complete		

Finish date 21MAY12
Data date 06DEC11
Run date 07DEC11
Page number 1A

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The Whiting-Turner Contracting Co.
UF Cellulosic Ethanol Pilot Plant
Construction Schedule





Act ID	Description	Orig Dur	Rem Early Dur Start	Early Finish	2009 2010 2011 2012 2013 N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S
2912	Misc Piping / Insulation / Controls	25d	25d 26OCT11	18JAN12	/ Misc Piping / Insulation / Controls
3583	Electrical Service Complete	10d	10d 02NOV11	22DEC11	△ 7 Electrical Service Complete
3573	Control Wiring	10d	10d 09DEC11	22DEC11	TO Control Wiring
3653	Intermediate Steam System Complete	0	0	19DEC11	♦ Intermediate Steam System Complete
3613	Cooling Water System Complete	0	0	23JAN12	◆ Cooling Water System Complete
3593	Testing / Start-up	10d	10d 23JAN12	06FEB12	A ✓ Testing / Start-up
	Water System			1	
3565	Install Header 2"-HW-9601-03	20d	4d 21SEP11	1	✓ Install Header 2"-HW-9601-03
3604	Install Hot Water Heater HP-9601	10d	10d 12OCT11	20DEC11	✓ Install Hot Water Heater HP-9601
3574	Misc. Piping / Controls / Insulation		33d6h 19OCT11		Misc. Piping / Controls / Insulation
3584	Electrical Service Complete	10d	10d 02NOV11		V Electrical Service Complete
3605	Intermediate Steam Complete	0	0	19DEC11	♦ Intermediate Steam Complete
3594	Testing / Start-up	5d	5d 31JAN12	07FEB12	
	able Water System		0 0 0 0 5 5 4 4	1,005044	The last British Water Mandage PR 0704 00
3680	Install Potable Water Header 2"-PW-9701-06	20d	0 21SEP11		Vinstall Potable Water Header 2"-PW-9701-06
3575	Misc Piping / Controls	10d	0 120CT11	30NOV11	Misc Piping / Controls
3690	Install Safety Showers	30d	30d 12OCT11		✓ Install Safety Showers ✓ Electrical Service Complete / Control Wiring
3585 3595	Electrical Service Complete / Control Wiring	10d 10d	10d 02NOV11		Testing / Start-up
	Testing / Start-up Treatment System	100	10d 22DEC11	HJAN12	Asset Testing / State-up
3222	Chilled Water Supply Piping	15d	3d6h 08SEP11	12DEC11	✓ Chilled Water Supply Piping
3202	Phos Acid Metering Piping		11d2h 30SEP11	1	7 Phos Acid Metering Piping 1/2"-PHOD-8102-15
3282	Install Agitator 2108	3d	3d 06OCT11	09DEC11	Install Agitator 2108
3332	Install Agitator AG-2109	3d	3d 06OCT11		Install Agitator AG-2109
3232	Heat Exchanger HS-2201 & interconnecting	15d	15d 12OCT11	28DEC11	4 Heat Exchanger HS-2201 & interconnecting piping
3302	Misc Interconnecting Piping / Controls	30d	16d4h 12OCT11	29DEC11	Misc Interconnecting Piping / Controls
3322	Install Heat Exch HP-2109 & HP-2110	5d	5d 12OCT11		/ Install Heat Exch HP-2109 & HP-2110
3132	Install Seal Water Piping PID-1202	15d	15d 02NOV11		Install Seal Water Piping PID-1202
3192	Recycled Water Connection 1"-RCW-9501-11	10d	10d 02NOV11	1	7 Recycled Water Connection 1"-RCW-9501-11
3142	Electrical Service Complete	10d	2d 01DEC11	12DEC11	△ ▼ Electrical Service Complete
3162	Install Cablevey System	10d	8d 06DEC11		⊿ Install Cablevey System
3627	Low Pressure Steam Complete	0	0	19DEC11	♦ Low Pressure Steam Complete
3212	High Pressure Steam Piping	15d	15d 19DEC11	1	High Pressure Steam Piping
3617	Cooling Water System Complete	0	0	23JAN12	◆ Cooling Water System Complete
3272	Antifoam System Complete PID-8302	0	0	26JAN12	♦ Antifoam System Complete PID-8302
3242	CO2 Scrubber System Complete	0	0	30JAN12	♦ CO2 Scrubber System Complete
3342	Aqueous Amonia System Complete	0	0	02FEB12	◆ Aqueous Amonia System Complete
3352	Process CA System Complete	0	0	08FEB12	♦ Process CA System Complete
3252	HP Steam System Complete	0	0	13FEB12	♦ HP Steam System Complete
3172	Testing / Start-up	10d	10d 13FEB12	27FEB12	∠ ✓ Testing / Start-up
2300 - Lique	efaction System				
3382	Liquefaction Pump Installed PT-2301	3d	5h 30SEP11	07DEC11	Liquefaction Pump Installed PT-2301
3532	Hydrolyzate PH Adjust Agitator AG-2302	3d	3d 30SEP11	09DEC11	Hydrolyzate PH Adjust Agitator AG-2302
3542	Hydrolyzate Adjustment Pump PT-2302	3d	3d 30SEP11	09DEC11	Hydrolyzate Adjustment Pump PT-2302
3362	Liquefaction Tank Agitator Installed AG-2301	3d	3d 06OCT11	09DEC11	Liquefaction Tank Agitator Installed AG-2301
3452	Install Liquefaction Cooler HP-2301	1d	1d 120CT11	07DEC11	Install Liquefaction Cooler HP-2301
3512	Interconnecting Piping / Controls	30d	13d4h 12OCT11	23DEC11	Interconnecting Piping / Controls
3372	Electrical Service Complete	10d	10d 02NOV11		Z=====================================
3432	LP Steam System	0	0	19DEC11	♦ LP Steam System
3434	Cooling Water System PID-9203	0	0	23JAN12	◆ Cooling Water System PID-9203
Finish date 2 Data date 0	01NOV09 21MAY12 06DEC11 07DEC11				The Whiting-Turner Contracting Co. UF Cellulosic Ethanol Pilot Plant Construction Schedule Early bar Early start point Early finish point Progress bar Critical bar

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Summary bar
Start milestone point
Finish milestone poir

Act ID	Description	Orig Dur	Rem Ear		2009
3424	Cellulase System Complete PID-8303	0	0	26JAN12	
3404	Aqueous Amonia System Complete PID-8501	0	0	02FEB12	♦ Aqueous Amonia System Complete PID-8501
3442	Process Water System Complete PID-9503	0	0	06FEB12	♦ Process Water System Complete PID-9503
3422	HW System PID-9601	0	0	07FEB12	♦ HW System PID-9601
3414	Process CA Complete PID-9402	0	0	08FEB12	♦ Process CA Complete PID-9402
3392	Mechanical Start-up / Acceptance	10d	10d 09FE	312 22FEB12	△▼ Mechanical Start-up / Acceptance
3402	CIP System Complete PID-8202	0	0	28FEB12	
3692	System Complete	0	0	28FEB12	
3201 - Propa				<u> </u>	
3622	Install Propagator 1A Agitator (AG-3201A)	3d	3d 12OC	T11 09DEC11	/ Install Propagator 1A Agitator (AG-3201A)
3662	Install Pump PT-3201	3d		T11 09DEC11	
3682	Interconnecting Piping & Controls	25d		T11 16JAN12	
3652	Electrical Service Complete	10d		V11 22DEC11	
3632	Install Air Sparger	1d		C11 07DEC11	- · · · · · · · · · · · · · · · · · · ·
3762	LP Steam Complete PID-9302	0	0	19DEC11	
3752	Cooling Water System Complete	0	0	23JAN12	-
3702	Phos Acid System Complete PID-8102	0	0	02FEB12	
3712	Base B System Complete	0	0	02FEB12	
3712	HW System Complete PID-9601	0	0	07FEB12	
	† · · ·	0	0		
3732	CA System Complete	·		08FEB12 312 22FEB12	-
3642	Mechanical Start-up / Acceptance	10d			−
3722	Prep Tank System Complete PID-2104	0	0	27FEB12	
3672	CIP System Complete PID-8202	0	0	28FEB12	-
3892	System Complete	0	0	28FEB12	♦ System Complete
3202 - Propa	<u> </u>				
3625	Install Propagator 2A Agitator (AG-3202A)	3d		T11 09DEC11	
3635	Install Air Sparger	1d		T11 07DEC11	
3665	Install Pump PT-3201	3d		T11 09DEC11	
3685	Interconnecting Piping & Controls	25d	25d 12OC		
3655	Electrical Service Complete	10d		V11 22DEC11	
3765	LP Steam Complete PID-9302	0	0	19DEC11	
3755	Cooling Water System Complete	0	0	23JAN12	
3785	Antifoam System Complete PID-2103	0	0	26JAN12	◆ Antifoam System Complete PID-2103
3705	Phos Acid System Complete PID-8102	0	0	02FEB12	
3715	Base B System Complete	0	0	02FEB12	♦ Base B System Complete
3775	Process Water Complete PID-9503	0	0	06FEB12	◆ Process Water Complete PID-9503
3745	HW System Complete PID-9601	0	0	07FEB12	
3735	CA System Complete	0	0	08FEB12	
3645	Mechanical Start-up / Acceptance	10d	10d 09FF	312 22FEB12	
3795	C5 System Complete PID-2103	0	0	22FEB12	➡ · · · · · · · · · · · · · · · · · · ·
3795	Prep Tank System Complete PID-2104	0	0	27FEB12	
3675	CIP System Complete PID-8202	0	0	28FEB12	
3695	System Complete System Complete	0	0	28FEB12	
3203 - Propa		, J	<u> </u>	ZOI LD IZ	V Oyden Complete
3629		24	24 1000	T11 09DEC11	Install Propagator 3A Agitator (AG-3203A)
3629	Install Propagator 3A Agitator (AG-3203A)	3d 3d		T11 09DEC11	
3689	Install Pump PT-3201	25d		T11 16JAN12	
	Interconnecting Piping & Controls				
3659	Electrical Service Complete	10d		V11 22DEC11	─
3639 3769	Install Air Sparger LP Steam Complete PID-9302	1d 0	1d 06DE	07DEC11 19DEC11	- -
Start date 01 Finish date 21 Data date 06	INOV09 IMAY12 SDEC11 7DEC11				The Whiting-Turner Contracting Co. UF Cellulosic Ethanol Pilot Plant Construction Schedule Early bar Early start point Early finish point Progress bar Critical bar Summary bar
© Primavera Sy	stems, Inc.				◆ Start milestone poi ◆ Finish milestone po

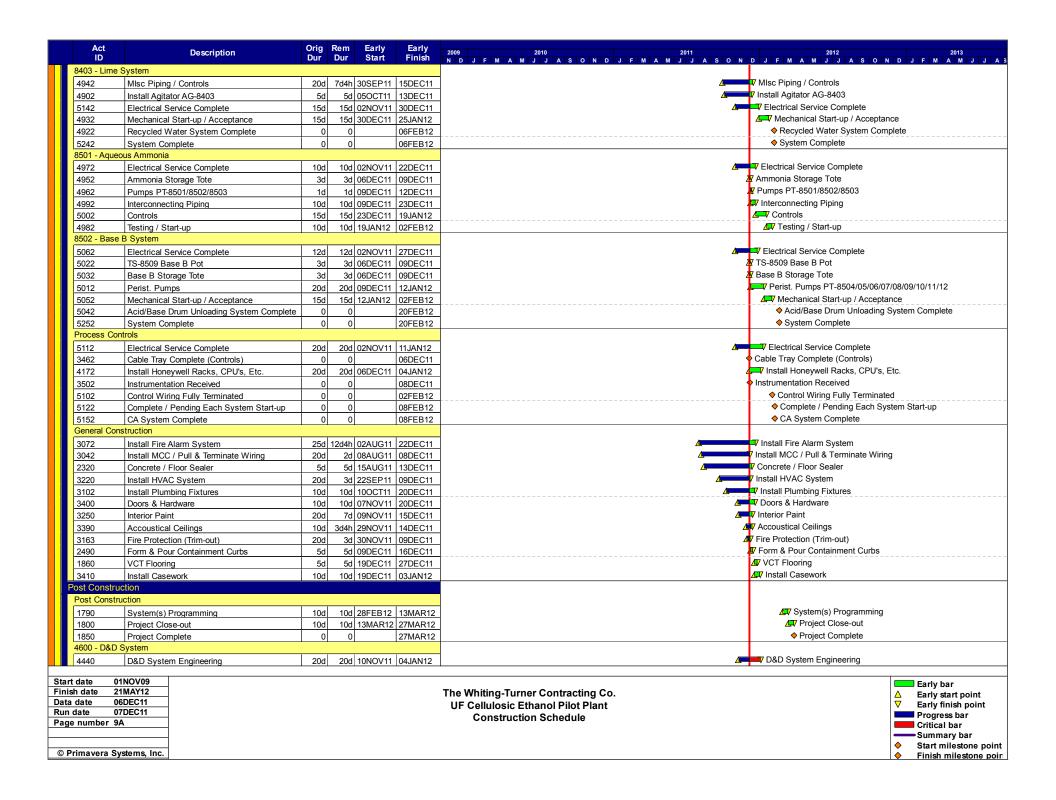
Act ID	Description	Orig Dur	Rem Dur	Early Start	Early Finish	2009 2010 2011 2012 2013 N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J
3805	Prop 2A & 2B Connected	10d	10d	16JAN12	30JAN12	₽ Prop 2A & 2B Connected
3759	Cooling Water System Complete	0	0		23JAN12	◆ Cooling Water System Complete
3799	Lime Slurry System Complete PID-8403	0	0		25JAN12	◆ Lime Slurry System Complete PID-8403
3789	Antifoam System Complete PID-2103	0	0		26JAN12	◆ Antifoam System Complete PID-2103
3709	Phos Acid System Complete PID-8102	0	0		02FEB12	♦ Phos Acid System Complete PID-8102
3719	Base B System Complete	0	0		02FEB12	♦ Base B System Complete
3779	Process Water Complete PID-9503	0	0		06FEB12	◆ Process Water Complete PID-9503
3749	HW System Complete PID-9601	0	0		07FEB12	♦ HW System Complete PID-9601
3739	CA System Complete	0	0		08FEB12	◆ CA System Complete
3649	Mechanical Start-up / Acceptance	10d	10d	09FEB12	22FEB12	▲ Mechanical Start-up / Acceptance
3802	Trace Metals System Complete PID-3211	0	0		16FEB12	♦ Trace Metals System Complete PID-3211
3729	Hydrolozate PH Adjust Complete PID-2303	0	0		22FEB12	♦ Hydrolozate PH Adjust Complete PID-2303
3679	CIP System Complete PID-8202	0	0		28FEB12	♦ CIP System Complete PID-8202
3809	System Complete	0	0		28FEB12	♦ System Complete
3204 - Propa	gator 3B					
3790	Install Propagator 3B Agitator (AG-3203B)	3d	3d	100CT11	09DEC11	Install Propagator 3B Agitator (AG-3203B)
3730	Install Pump PT-3201	3d	3d	120CT11	09DEC11	Install Pump PT-3201
3770	Misc Piping / Controls	25d	25d	120CT11	16JAN12	✓ Misc Piping / Controls
3800	Electrical Service Complete	10d	8d4h	02NOV11	20DEC11	∠ T Electrical Service Complete
3750	Install Air Sparger	1d		06DEC11		x Install Air Sparger
3830	LP Steam Complete PID-9302	0	0		19DEC11	◆ LP Steam Complete PID-9302
3780	Prop 2A, 2B & 3 Connected	10d	10d	16JAN12	30JAN12	Frop 2A, 2B & 3 Connected
3810	Cooling Water System Complete	0	0		23JAN12	◆ Cooling Water System Complete
3700	Lime Slurry System Complete PID-8403	0	0		25JAN12	♦ Lime Slurry System Complete PID-8403
3697	Antifoam System Complete PID-2103	0	0		26JAN12	♦ Antifoam System Complete PID-2103
3667	Phos Acid System Complete PID-8102	0	0		02FEB12	♦ Phos Acid System Complete PID-8102
3677	Base B System Complete	0	0		02FEB12	♦ Base B System Complete
3820	Process Water Complete PID-9503	0	0		06FEB12	◆ Process Water Complete PID-9503
3850	HW System Complete PID-9601	0	0		07FEB12	◆ HW System Complete PID-9601
3840	CA System Complete	0	0		08FEB12	◆ CA System Complete
3720	Mechanical Start-up / Acceptance	10d	10d	09FEB12		
3710	Trace Metals System Complete PID-3211	0			16FEB12	♦ Trace Metals System Complete PID-3211
3687	Hydrolozate PH Adjust Complete PID-2303	0	0		22FEB12	♦ Hydrolozate PH Adjust Complete PID-2303
3657	CIP System Complete PID-8202	0	0		28FEB12	◆ CIP System Complete PID-8202
3707	System Complete	0	0		28FEB12	◆ System Complete
3205 - Ferme						
3822	Misc Piping / Controls	45d	36d	26SEP11	31JAN12	Misc Piping / Controls
3812	Electrical Service Complete	10d		02NOV11	1	✓ Electrical Service Complete
3492	Install Air Spargers	5d				4 ☐ Install Air Spargers
3782	Install Agitators	5d		06DEC11	13DEC11	4 <mark>7</mark> Install Agitators
3857	LP Steam Complete PID-9302	0			19DEC11	◆ LP Steam Complete PID-9302
3835	Cooling Water System Complete	0	0		23JAN12	◆ Cooling Water System Complete
3883	Lime Slurry System Complete PID-8403	0	0		25JAN12	◆ Lime Slurry System Complete PID-8403
3843	Phos Acid System Complete PID-8102	0	0		02FEB12	♦ Phos Acid System Complete PID-8102
3853	Base B System Complete	0	0		02FEB12	♦ Base B System Complete
3846	Process Water Complete PID-9503	0	0		06FEB12	♦ Process Water Complete PID-9503
3879	HW System Complete PID-9601	0	0		07FEB12	♦ HW System Complete PID-9601
3868	CA System Complete	0	0		08FEB12	◆ CA System Complete
3792	Mechanical Start-up / Acceptance	10d	10d	09FEB12		△──V Mechanical Start-up / Acceptance
3893	Trace Metals System Complete PID-3211	0			16FEB12	◆ Trace Metals System Complete PID-3211
	NOV09					Early bar
	MAY12					The Whiting-Turner Contracting Co.
	SDEC11					UF Cellulosic Ethanol Pilot Plant ▼ Early finish point
un date 07 age number 5A	/DEC11					Construction Schedule Progress bar
age number 5F						Critical bar
						Start milestone po
	stems, Inc.					▼ Start illiestone po

	Act ID	Description	Orig I Dur		Early Start	Early Finish	2009 2010 2011 2012 2013 N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S			
	3863	Hydrolozate PH Adjust Complete PID-2303	0	0		PEB12	♦ Hydrolozate PH Adjust Complete PID-2303			
	3833	CIP System Complete PID-8202	0	0		BFEB12	♦ CIP System Complete PID-8202			
	3873	System Complete	0	0		BFEB12	♦ System Complete			
		ge Tanks & Vacuum Pump								
	3862	Complete Piping Headers	20d	20d 21	SEP11 04	JAN12				
	3842	Install Agitators	3d	3d 17	OCT11 14	IDEC11	✓ Install Agitators			
Ш	3852	Install Vacuum Pump PV-3201	3d	3d 17	OCT11 14	IDEC11	✓ Install Vacuum Pump PV-3201			
	3882	Misc Piping / Controls	25d	25d 17	OCT11 19	JAN12	✓ Misc Piping / Controls			
	3902	Electrical Service Complete	10d	10d 02	NOV11 22	DEC11	✓ Electrical Service Complete			
	3832	Install Trace Min Storage Tanks TS-3206 &	3d	3d 06	DEC11 09	DEC11	▼ Install Trace Min Storage Tanks TS-3206 & 3207			
	3866	Connections to PH Adustment System	10d	10d 27	DEC11 12	2JAN12	Connections to PH Adustment System			
	3856	Cooling Water System Complete	0	0	23	BJAN12	◆ Cooling Water System Complete			
	3872	Testing / Start-up	10d	10d 23	3JAN12 06	SFEB12	<u></u> Testing / Start-up			
	3209 - Propa	gator 1B			<u> </u>					
	3953	Install Propagator 1B Agitator (AG-3201B)	3d	3d 12	OCT11 09	DEC11	/ Install Propagator 1B Agitator (AG-3201B)			
	3973	Interconnecting Piping & Controls	25d			SJAN12	✓ Interconnecting Piping & Controls			
	3983	Electrical Service Complete	10d		NOV11 22		<u> </u>			
	3963	Install Air Sparger	1d		DEC11 07		x Install Air Sparger			
	4003	LP Steam Complete PID-9302	0	0		DEC11	♦ LP Steam Complete PID-9302			
	3993	Cooling Water System Complete	0	0		BJAN12	♦ Cooling Water System Complete			
	3903	Phos Acid System Complete PID-8102	0	0		2FEB12	♦ Phos Acid System Complete PID-8102			
	3913	Base B System Complete	0	0		PEB12	♦ Base B System Complete			
	4023	HW System Complete PID-9601	0	0		7FEB12	♦ HW System Complete PID-9601			
	4013	CA System Complete	0	0		BFEB12	◆ CA System Complete			
	4043	Mechanical Start-up / Acceptance	10d			PEB12	∕₩ Mechanical Start-up / Acceptance			
	4033	Prep Tank System Complete PID-2104	0	0		7FEB12	◆ Prep Tank System Complete PID-2104			
	3896	CIP System Complete PID-8202	0	0		BFEB12	♦ CIP System Complete PID-8202			
	4053	System Complete System Complete	0	0		BFEB12	◆ System Complete			
	3210 - Propa		1 0	- 01	120	JI LU IZ	Voyaten complete			
	3974	Install Propagator 2B Agitator (AG-3202B)	3d	34 12	OCT11 09	DEC11	Install Propagator 2B Agitator (AG-3202B)			
М	3984	Interconnecting Piping & Controls		7d4h 12		DEC11	Interconnecting Piping & Controls			
Н	3944	Electrical Service Complete	10d		NOV11 22		Z Electrical Service Complete			
	3954	Install Air Sparger	1d		DEC11 07		Install Air Sparger			
Н	4014	LP Steam Complete PID-9302	0	0		DEC11	♦ LP Steam Complete PID-9302			
Н	4044	·	0	0		DEC11	♦ Prep Tank System Complete PID-2104			
H	4054	Prep Tank System Complete PID-2104	0	0		DEC11	♦ C5 System Complete PID-2103			
Н	3994	C5 System Complete PID-2103	0	0			◆ Cooling Water System Complete			
	3994	Cooling Water System Complete	0	0		BJAN12 BJAN12	◆ Antifoam System Complete Antifoam System Complete PID-2103			
		Antifoam System Complete PID-2103					◆ Antitioani System Complete PID-2103 ◆ Phos Acid System Complete PID-8102			
	3904	Phos Acid System Complete PID-8102	0	0		PERMAN				
	3914	Base B System Complete	0	0		PEB12	♦ Base B System Complete ♦ Process Water Complete PID-9503			
	4004	Process Water Complete PID-9503	-			FEB12	· · · · · · · · · · · · · · · · · · ·			
	4034	HW System Complete PID-9601	0	0		7FEB12	♦ HW System Complete PID-9601			
	4024	CA System Complete	0	0		SFEB12	◆ CA System Complete			
	4064	Mechanical Start-up / Acceptance	10d			PEB12	Mechanical Start-up / Acceptance			
	3894	CIP System Complete PID-8202	0	0		SFEB12	◆ CIP System Complete PID-8202			
	3934 Trans	System Complete	0	0	28	BFEB12	♦ System Complete			
	3211 - Trace	1	1 - 1							
	3922	Install Pumps PT-3202/3202	2d		OCT11 08		Install Pumps PT-3202/3202			
	3952	Misc Piping / Controls	20d		OCT11 04		Misc Piping / Controls			
	3932	Electrical Service Complete	10d	10d 02	NOV11 22	2DEC11	△ ✓ Electrical Service Complete			
Finis	Start date 01NOV09 Finish date 21MAY12 The Whiting-Turner Contracting Co. Early bar Contracting Co. Early start point									
		SDEC11					UF Cellulosic Ethanol Pilot Plant ▽ Early finish point			
Run	un date 07DEC11 Construction Schedule Progress bar									

Page number 6A © Primavera Systems, Inc. Progress bar
Critical bar
Summary bar
Start milestone point
Finish milestone poir

Act ID	Description	Orig Rem Early Dur Dur Start	Early Finish	2009 2010 2011 2012 2013
3912	Install Storage Tanks TS-3201/02/03/04		13DEC11	IN D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D D J F M A M J J A S O N D D J F M A M J J A S O N D D J F M A M J J A S O N D D J F M A M J J A S O N D D J F M A M J J A S O N D D J F M A M J J A S O N D D J F M A M J J A S O N D D D D D D D D D D D D D D D D D D
5132		10d 10d 19JAN12		✓ Connections from Storage Tanks 3206/3207
3942	Connections from Storage Tanks 3206/3207 Testing / Start-up	10d 10d 193AN12		✓ Testing / Start-up
3213 - Antifoa		100 100 02FEB12	IOFED IZ	Zev resulting rotating p
	1	l all alleggents	0005044	F Instell Tanks TS 2348/3342/3345
3962	Install Tanks TS-3218/3213/3215	3d 3d 06DEC11		Install Tanks TS-3218/3213/3215
3972	Install Pumps PT-3210/3214/3215	3d 3d 06DEC11		7 Install Pumps PT-3210/3214/3215
4002	Electrical Service Complete	10d 10d 08DEC11		Electrical Service Complete
4012	Mlsc Piping / Controls	 	12JAN12	Misc Piping / Controls
3982	Prep Tank Cooler Complete PID-2104		29DEC11	♦ Prep Tank Cooler Complete PID-2104
3992	Testing / Start-up	10d 10d 12JAN12	26JAN12	✓ Testing / Start-up
3214 - Vesse	Jacket Pumps			
4022	Install Hydrolyzate Pump PT-3205	3d 3d 12OCT11	09DEC11	Install Hydrolyzate Pump PT-3205
4052	Install Propagator 1 Jacket Pump PT-3211	3d 3d 12OCT11	09DEC11	Д■□□□ Install Propagator 1 Jacket Pump PT-3211
4062	Install Propagator 2 Jacket Pump PT-3212	3d 3d 12OCT11	09DEC11	✓ Install Propagator 2 Jacket Pump PT-3212
4072	Install Propagator 3 Jacket Pump PT-3213	3d 3d 12OCT11	09DEC11	✓ Install Propagator 3 Jacket Pump PT-3213
4092	Install Liquefaction Jacket Pump PT-3204	3d 3d 12OCT11		✓ Install Liquefaction Jacket Pump PT-3204
5072	Misc Piping		28DEC11	Δ → 7 Misc Piping
4102	Electrical Service Complete	20d 20d 02NOV11		Z Electrical Service Complete
5082	Controls	10d 10d 06DEC11		Controls
4112 4601 - Beerw	Testing / Start-up	10d 10d 11JAN12	ZDJAN1Z	<u>raw</u> resumg r start-up
4152	Misc Piping / Controls	45d 36d 26SEP11		V Misc Piping / Controls
4162	Install Beer Preheater HP-4601	5d 5d 06DEC11		AV Install Beer Preheater HP-4601
5092	Fermentor / Propagator Connections	30d 30d 16DEC11		Fermentor / Propagator Connections
4192	LP Steam System Complete	0 0	19DEC11	♦ LP Steam System Complete
4212	CO2 Scrubber Complete	0 0 :	30JAN12	♦ CO2 Scrubber Complete
4142	Mechanical Start-up / Acceptance	5d 5d 03FEB12	09FEB12	
4222	Bleach Scrubber Complete	0 0	06FEB12	♦ Bleach Scrubber Complete
4182	PH Adjustment System Complete	0 0	22FEB12	♦ PH Adjustment System Complete
4232	Liquefaction System Complete		22FEB12	♦ Liquefaction System Complete
4202	CIP System Complete		28FEB12	◆ CIP System Complete
5182	System Complete		28FEB12	♦ System Complete
4901 - Decan		1 01 01 1	ZOI LD IZ	- V System Semperature
4252	Install Decanter Feed Tank Agitator AG-4901	3d 3d 12OCT11	09DEC11	/ Install Decanter Feed Tank Agitator AG-4901
4262	-	3d 3d 12OCT11		Decanter Feed Pump PP-4901
	Decanter Feed Pump PP-4901			Misc Piping / Controls
4322	Misc Piping / Controls	 	28DEC11	-
4282	Electrical Service Complete	10d 10d 08DEC11		Electrical Service Complete
4312	Process Water System Complete		06FEB12	◆ Process Water System Complete
4302	Install Decanter	5d 5d 06FEB12		ℤ Install Decanter
4332	Beer Preheater Complete		09FEB12	♦ Beer Preheater Complete
4272	Install Solids Bin BN-2204	1d 1d 13FEB12	14FEB12	▼ Install Solids Bin BN-2204
4292	Testing / Start-up	10d 10d 14FEB12	28FEB12	■ Testing / Start-up
7201 - CO2 S	crubber			
4362	Install scrubber fan FA-7201	5d 5d 03OCT11	13DEC11	✓ Install scrubber fan FA-7201
4372	Misc Piping / Controls	25d 25d 19OCT11	16JAN12	<u>√</u> Misc Piping / Controls
4382	Electrical Service Complete	15d 15d 02NOV11		Д Electrical Service Complete
4392	Mechanical Start-up / Testing	10d 10d 16JAN12		
4402	Recycled water system complete		06FEB12	♦ Recycled water system complete
5212	System Complete	 	06FEB12	♦ System Complete
7202 - Bleach		<u> </u>	OOI LD IZ	- 5/3000 COMPAN
4462	Misc Piping & Controls	30d 30d 19OCT11	23 IA NI12	Misc Piping & Controls
	NOV09	300 300 1900111	ZJJAN IZ	
	MAY12			The Whiting-Turner Contracting Co. Early bar Δ Early start point
	DEC11			The Whiting-Turner Contracting Co. UF Cellulosic Ethanol Pilot Plant □ Early start point □ Early finish point □ Early finish point
	DEC11			Construction Schedule Progress bar
ge number 7A				Construction Schedule Critical bar
				—— Summary bar
				♦ Start milestone p
Primavera Svs	stems, Inc.			Finish milestone

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Size System Complete O O DeFett2	·
Section Processing Section Process Section S	tem Complete
Misc Piping / Controls Misc Piping / Contr	
Metal Phos Acid Metering Pump PM-8101 3d 3d 3d 3d 5d	
45/2 Install Prince Acid Truefet Pump PA-8102 3 3 30 SSEPT1 (960EC11 ## Install Prince Acid Micro Rev Agather of State 45/52 Install Prince Acid Holding Tank Agather 3 3 3 (960CT11 (960EC11 ## Install Prince Acid Holding Tank Agather 3 4 3 (960CT11 (960EC11 ## Install Prince Acid Holding Tank Agather 3 4 3 (960CT11 (960EC11 ## Install Meeting Pump PM-8103 3 4 (960CT11 (960EC11 ## Install Meeting Pump PM-8103 3 4 (960CT11 (960EC11 ## Install Meeting Pump PM-8104 ## Install Meeting	
4512 Install Place Acid Mix Tank Aguitor 8101 3d 3d 100CTT1 000CCT1 100CCT1 100C	
4552 natall Phota Acid Holding Tank Agatator 3	•
\$692 Install Metering Pump PM-8103 33 33 120CT11 090EC11 32P Final Metering Pump PM-8103 33 33 120CT11 090EC11 32P Final Metering Pump PM-8103 34 33 120CT11 090EC11 32P Final Metering Pump PM-8103 34 33 120CT11 090EC11 32P Final Metering Pump PM-8103 34P 54P 5	•
First Install Metering Pump PM-8103 3.3 3.3 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	
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## 17/2 Control Wiring	•
## 482 Testing / Start-up	tion
Record All Section All S	
##682 Milsc Piping / Controls / Insulation	
#592	
4622 Install Agitator AG-8203 3d 3d 3d 3d 66CCT11 50DECT1 4692 Asstall Hatta Exchangers HP-8202803 5d 5d 12CCT11 13DECT1 4892 Electrical Service Complete 10d 0d 10d 02NOV11 22DECT1 4892 Electrical Service Complete 0 0 19DECT1 4892 Electrical Service Complete 0 0 0 14FEB12 28FEB12 4892 Electrical Service Complete 0 0 0 14FEB12 28FEB12 4892 Electrical Service Complete 0 0 0 20FEB12 4892 Electrical Service Complete 0 0 0 20FEB12 4892 Electrical Service Complete 0 0 20FEB12 4892 Electrical Service Complete 0 0 28FEB12 4892 Electrical Service Complete 0 0 28FEB12 4772 28FE Add Weigh Scale Ws-8301 5d 5d 60EDCT1 13DECT1 4772 28FE Add Weigh Scale Ws-8301 5d 5d 60EDCT1 13DECT1 4772 1858 Base Weigh Scale Ws-8301 5d 5d 60EDCT1 13DECT1 4772 1858 Base Weigh Scale Ws-8301 5d 5d 13DECT1 20DECT1 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772 4772	
#852 Install Heat Exchangers HP-820/28203 56 5 50 (20CT11 10DCC11 4852 Electrical Service Complete 6 10d 02NOV11 22DEC11 22DEC11 4852 Electrical Service Complete 9 0 0 190 (20NOV11 22DEC11 4852 Electrical Service Complete 9 0 0 190 (20NOV11 22DEC11 4852 Electrical Service Complete 9 0 0 0 06FEB12 4852 Electrical Service Complete 9 0 0 0 06FEB12 4852 Electrical Service Complete 9 0 0 0 06FEB12 4852 Electrical Service Complete 9 0 0 0 06FEB12 4852 Electrical Service Complete 9 0 0 0 06FEB12 4852 Electrical Service Electrical Service Electrical Service Electrical Service Complete 9 0 0 0 28FEB12 4852 Electrical Service Electrical Service Electrical Service Complete 9 0 0 0 28FEB12 4852 Electrical Service Electrical Service Complete 9 0 0 0 28FEB12 4852 Electrical Service Complete 9 0 0 0 28FEB12 4852 Electrical Service Complete 9 0 0 0 28FEB12 4852 Electrical Service Complete 9 0 0 0 28FEB12 4852 Electrical Service Complete 9 0 0 0 28FEB12 4852 Electrical Service Complete 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
#8432 Electrical Service Complete	
## 4822 LP Steam System Complete	
5172 Control Wiring 4092 Process Water System Complete 0 0 0 0 0 0 0 0 0	<u> </u>
#902 Process Water System Complete 0 0 0 06FEB12	plete
4602 Mechanical Start-up / Acceptance 10d 14FEB12 28FEB12	
Acid / Base System Complete 10	stem Complete
System Complete 0 0 28FEB12	rt-up / Acceptance
8301 - Acid/Base Drum Unloading 4722 Sel Acid Weigh Scale WS-8301 5d 5d 06DEC11 13DEC11 4732 Sel Base Weigh Scale WS-8302 5d 5d 06DEC11 13DEC11 4732 Install Acid Transfer Pump PA-8301 5d 5d 13DEC11 20DEC11 4742 Install Base Mix Pump PA-8302 5d 5d 13DEC11 20DEC11 4742 Misc Piping / Controls 5d 5d 13DEC11 20DEC11 4742 Misc Piping / Controls 15d 15d 20DEC11 15JAN12 4742 Misc Piping / Controls 15d 15d 30JAN12 20FEB12 4742 Mechanical Start-up / Acceptance 15d 15d 30JAN12 20FEB12 4792 Process Water System Complete 0 0 06FEB12 4792 Process Water System Complete 0 0 06FEB12 4792 Process Water System Complete 0 0 06FEB12 4802 Weigh Scale Installed WS-8303 3d 3d 06DEC11 02DEC11 4812 Antitioam Pump Installed 3d 3d 09DEC11 17JAN12 4832 Testing / Start-up 5d 5d 17JAN12 24JAN12 4832 Testing / Start-up 5d 5d 06DEC11 13DEC11 13DEC11 13DEC11 14DEC11 4842 Beta Gluconase & Cellulase Totes 5d 5d 06DEC11 13DEC11 13DEC11 4842 Restricted System Complete 10d 10d 10d 12JAN12 24JAN12 4842 Restricted System 15d 15d 16DEC11 13DEC11 1	em Complete PID-8301
4722 Set Acid Weigh Scale WS-8301 5d 5d 06DEC11 13DEC11 4752 Set Base Weigh Scale WS-8302 5d 5d 06DEC11 13DEC11 4752 Install Acid Transfer Pump PA-8301 5d 5d 13DEC11 20DEC11 4752 Install Acid Transfer Pump PA-8302 5d 5d 13DEC11 20DEC11 4762 Install Base Mix Pump PA-8302 5d 5d 13DEC11 20DEC11 4762 Install Base Mix Pump PA-8302 5d 5d 13DEC11 20DEC11 4762 Install Base Mix Pump PA-8302 5d 5d 13DEC11 20DEC11 4772 Electrical Service Complete 10d 16JAN12 30JAN12 4772 Electrical Service Complete 10d 16JAN12 30JAN12 20FEB12 4792 Process Water System Complete 0 0 0 06FBB12 5020 System Complete 0 0 0 20FEB12 4802 Weigh Scale Installed WS-8303 3d 06DEC11 09DEC11 4809 Electrical Service Complete 4812 Antifoam Pump Installed 3d 3d 09DEC11 13DEC11 4832 Testing / Start-up 5d 5d 17JAN12 24JAN12 4832 Testing / Start-up 5d 5d 17JAN12 24JAN12 4822 Electrical Service Complete 10d 10d 20XOV11 2DEC11 4822 Electrical Service Complete 10d 10d 20XOV11 2DEC11 4832 Electrical Service Complete 10d 10d 20XOV11 2DEC11 4842 Beta Gluconase & Cellulase Totes 5d 5d 60EC11 13DEC11 4825 Install metering pumps PT-8304/8305 3d 3d 3d 3d 5dEC11 13DEC11 4822 Electrical Service Complete 10d 10d 20XOV11 2DEC11 4822 Electrical Service Complete 4842 Beta Gluconase & Cellulase Totes 5d 5d 60EC11 13DEC11 4822 Electrical Service Complete 4842 Beta Gluconase & Cellulase Totes 5d 5d 60EC11 13DEC11 4822 Electrical Service Complete 4842 Beta Gluconase & Cellulase Totes 5d 5d 60EC11 13DEC11 4822 Electrical Service Complete 4842 Beta Gluconase & Cellulase Totes 5d 5d 60EC11 13DEC11 4822 Electrical Service Complete 4842 Beta Gluconase & Cellulase Totes 5d 5d 60EC11 13DEC11 4822 Electrical Service Complete 4842 Beta Gluconase & Cell	ite
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## 4762 Install Base Mix Pump PA-8302 5d 5d 13DEC11 20DEC11 4742 Misc Piping / Controls 15d 15d 20DEC11 14,0AN12 4742 Misc Piping / Controls 15d 15d 20DEC11 14,0AN12 30,JAN12 4762 Mechanical Start-up / Acceptance 10d 10d 16,AN12 30,JAN12 20FEB12 4782 Mechanical Start-up / Acceptance 15d 15d 30,JAN12 20FEB12 4792 Process Water System Complete 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	VS-8302
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4772 Electrical Service Complete 4782 Mechanical Start-up / Acceptance 15d 15d 30JAN12 20FEB12 4792 Process Water System Complete 5202 System Complete 8302 - Antifoam Tote Station 4802 Weigh Scale Installed WS-8303 4889 Electrical Service Complete 4812 Antifoam Pump Installed 4822 Piping to Prep Tank TS-2109 4832 Testing / Start-up 530 System 4882 Electrical Service Complete 55d 5d 17JAN12 24JAN12 57 Electrical Service Complete 4882 Electrical Service Complete 57 Antifoam Pump Installed 5830 - Cellulase System 5	
4782 Mechanical Start-up / Acceptance 15d 15d 30JAN12 20FEB12 4792 Process Water System Complete 0 0 0 06FEB12	is
## Process Water System Complete	Complete
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8302 - Antifoam Tote Station	stem Complete
## 4802 Weigh Scale Installed WS-8303 3d 3d 06DEC11 09DEC11 ## 4889 Electrical Service Complete 10d 10d 08DEC11 22DEC11 ## 4812 Antifoam Pump Installed 3d 3d 09DEC11 14DEC11 ## 4822 Piping to Prep Tank TS-2109 20d 20d 14DEC11 17JAN12 ## 4832 Testing / Start-up 5d 5d 17JAN12 24JAN12 ## 882 Electrical Service Complete 10d 10d 02NOV11 22DEC11 ## 4882 Electrical Service Complete 10d 10d 02NOV11 22DEC11 ## 4882 Electrical Service Complete 10d 10d 02NOV11 22DEC11 ## 4882 Electrical Service Complete 10d 10d 02NOV11 22DEC11 ## 4882 Install metering pumps PT-8304/8305 3d 3d 13DEC11 13DEC11 ## 4882 Install metering pumps PT-8304/8305 3d 3d 13DEC11 14DEC11 ## 4882 Install metering pumps PT-8304/8305 3d 3d 13DEC11 14DEC11 ## 4882 Install metering pumps PT-8304/8305 3d 3d 13DEC11 14DEC11 ## 52 Install metering pumps PT-8304/8305 3d 13DEC11 14DEC11 ## 52 Install metering pumps PT-8304/8305 3d 13DEC11 14DEC11 ## 52 Install metering pumps PT-8304/8305 3d 13DEC11 14DEC11 ## 62 Misc Piping / Controls 15d 16DEC11 12JAN12 ## 7 Electrical Service Complete ## 882 Install metering pumps PT-8304/8305 3d 3d 3DEC11 ## 882 Install metering pumps PT-8304/8305 3d 3d 3DEC11 ## 882 Install metering pumps PT-8304/8305 3d 3d 3DEC11 ## 883 Install metering pumps PT-8304/8305 3d 3d 3DEC11 ## 884 Install metering pumps PT-8304/8305 3d 3d 3DEC11 ## 885 Install metering pumps PT-8304/8305 3d 3d 3DEC11 ## 885 Install metering pumps PT-8304/8305 3d 3DEC11 ## 885 Install metering pumps PT-8304/8305 3d 3DEC11	.e
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	Early finish point
	Progress bar Critical bar
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Act	Description		Rem	Early	Early Finish	2009 2010 2011 2012 2013
ID	· ·	Dur	Dur	Start	Finish	ND JF M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S
4480	D&D Submittal Approvals	10d	10d	04JAN12	23JAN12	D&D Submittal Approvals
4450	D&D Procurement	30d	30d	23JAN12	05MAR12	D&D Procurement
4500	FBD Update Design Documents	10d	10d	23JAN12	06FEB12	FBD Update Design Documents
4490	D&D Factory Acceptance Testing	15d	15d	05MAR12	26MAR12	△ D&D Factory Acceptance Testing
4460	D&D Received / Install	30d	30d	26MAR12	07MAY12	<u>/</u> D&D Received / Install
4470	D&D Start-up Verification	10d	10d	07MAY12	21MAY12	■ D&D Start-up Verification
Ethanol Stora	age / Load-out					
4510	Ethanol Storage Design (FBD)	10d	10d	23JAN12	06FEB12	
4540	Ethanol Storage Submittals	5d	5d	06FEB12	13FEB12	
4520	Ethanol Storage Procurement	25d	25d	13FEB12	19MAR12	<u>✓</u> Ethanol Storage Procurement
4530	Ethanol Storage Installation	10d	10d	26MAR12	09APR12	▲▼ Ethanol Storage Installation

01NOV09
21MAY12
06DEC11
07DEC11
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Systems, Inc.

The Whiting-Turner Contracting Co. UF Cellulosic Ethanol Pilot Plant Construction Schedule