

Turnaround Efficiency & Safety

Three Basic Factors







✓ Constructability

✓ Planning & Scheduling

✓ Third Party Safety

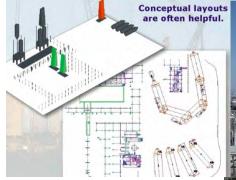




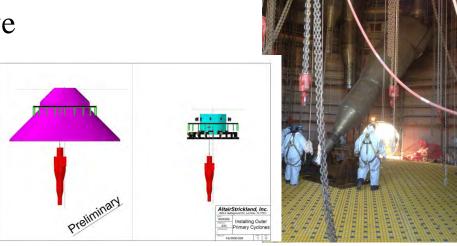


- ✓ Constructability
 - Execution driven engineering
 - > Crane evaluation
 - > Logistics planning

➤ Utilize experience to save time and money





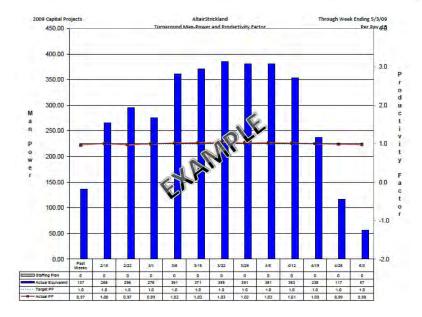






- ✓ Planning & Scheduling
 - ➤ Planners involved during the work execution
 - > Everyone must buy into the plan
 - > Scope optimization
 - ➤ 3 day look aheads
 - > Actuals vs. Estimated

Servey ID:	AsMy /Artis.	_	Original Diseases	Diet	Time	Dunton N	SC Contractor	SC Dispositive	buary 2011 Mar	sh2011 April 2011	May 2011	
	ine: MILE Milestone		Diameter:	20.00	11-Am-1	Copplex	Confrestor		137 14 21 26 UT	14 21 28 04 11 15 2	50 00 10 -11 05:00 A	
	e: 3 Turneround		840		15-Am-1	0%	_		1		1 D6:00 A	
			The Real Property lies						1000	TA Work	1	
	St Start TA Work		0	28-Feb-1	11-Apr-1	0%	AS AS	MLE	1 3001		TA Worl	
			9		11-Apr-1	0%	AS	MLE	1,000	No-11 GUSO PM, SC DIS		
	line: DEC Decommissioning											
	e: 3 Turnaround		9		28-Feb	0%				BETT DE BUTPO, SC PE		
	Remove cooling water spools to boom up M2250		10	28-Feb-1			AS	DEC	Rem	ove cooling water spool		
SC Discip	line: \$8,217-35t MSCC Shall Elevation 217-3		47	24-Mar-1	27-Mars	CPN			i i	# 27-Mar-11 02:0	PAM, SC	
SC Phas	e: 3 Turnaround		47	24-Mar-1	27-Mar	0%			1	₩ 27-Mar-11020	MAM, SC	
AS1233	16 Install four diagonals El 217-3 18th floor		6	24-Mar-1	25-Mar	0%	AS	88.217-381	4.	Install four diago		
AS1233	20 Inspect four diagonals El 217-3 10th floor		1	25-Mar-1	25-Mar	0%	AS	88.217-388		I inspect four diag		
A81233	30 Reinstall FP on four diagonals El 217-3 10th floor		40	25-Mar-1	26-Mar	0%	ASTEA	88.217-38t	- 1	g Reinstal FP on		
A91233	40 Remove scaffolds from El 217-3 10th foor		4	26-Mar-1	29-Mar	0%	ASTBA	86.217-388		1 Remove scarto		
A81233	SG Clean Up Work Area El 217-3 10th floor		2	26-Mar-1	27-Mar	0%	ASTEA	88.217-38t	- 1	Clean Up Work		
SC Discip	line: \$8.250-65t MSCC Steel Elevation 250-6		50	20-Mar-1	Z2-Mar	D%				₩ 22 Mar-11 01:30		
SC Phos	e: 3 Turnsround		50	20-Mar-1	22-Mar	0%				W 22-Mar-110130	FIX, SCH	
	20 Modify Scaffolds For New Steel El 23046 1 (th Soor		8	20-May-1	20-Mar	2%	ASTRA	85.230488		Modify Scaffolds F	or New Ste	
A81234	30 Receive Permit For New Steel El 230-6 11th floor		1	20-Mar-1	20-Mar	0%	AS	88,230-681	- 1	Receive Permit Fo		
A81234	70 Build Fire Box For New Steel El 230-6 11th foor		10	20-Mar-1	20-Mar	0%	AS	88.230-681	- 1	Build Fire Box For	New Steel	
A81234	80 Lay Out & Prep Beams El 230-6 11th floor		10	20-Mar-1	20-Mar	0%	AS	88.230-681	and the second	Lay Out & Prep Be		
AS1234	RG Fit & Weld Out Clips El 230-6 11th floor		36	20-Mar-1	22-Mar	0%	AS	88.230481		B FIFE Weld Out CI	E H 235	
A91235	00 Rig Beams To El 230-6 11th floor		28	20-Mar-1	21-Mar	0%	AS	88.230-688	- 1	g Rig Beams To El		
AS1235	10 Bolt Up & Impact Bots On Beams El 230-6 11th floor		10	21-Mar-1	21-Mar	0%	AS	88.230-688	1	■ Bot Up & Impact		
AS1235	20 Rig Grating & Handrails To El 230-6 11th floor		2	21-Mar-1	21-Mar	0%	AS	88.230-688		Rig Grating & Han		
AS1235	AS 123530 Lay Grating & Screw Down To Beams © 230-6 11th floor AS 123540 install & Bot Up Handrais © 230-6 11th floor		12	21-Mar-1	22-Mar	0%	AS	88.230-688	1	Lag Grating & Scr	rew Down	
			4		22-Mar	0%	AS	88.230-681		THESATE BOR US H		
AS1235	50 Clean Up Work Area El 230-6 11th floor		2	22-Mar-1	22-Mar	0%	AS	89.230-688	i	(Clejan Up Work A		
SC Discipline: \$8:245-6\$t MSCC Shall Elevation 245-6			74	23-Mar-1	25-Mar	0%			1	→ 35-Mar-11 08:30 PM. → 35-Mar-11 08:30 PM.		
SC Phas	SC Phase: 3 Turnaround		74	23-Mar-1	25-War	0%					PM, SC	
AS1236	10 Build Scaffolds For New Steel El 246-6 12th foor		- 30	23-Mar-1	34-Mar	0%	ASTBA	86.249-681		g Bolid Scaffolds F		
AS123620 Receive Permit For New Steel El 245-6 12th floor			1	24-Mar-1	24-Mar	0%	AS	88.249-688		T PRICEIVE PERMIT FOR N	FORNEWS	
AS1236	50 Build Fire Box For New Steel El 245-6 12th floor		10	24-Mar-1	24-Mar	0%	AS	88.245-688	1	Build Fire Box F	New Ste	
A81236	70 Lay Out & Prep Beams El 245-6 12th floor		10	34-Mar-1	24-Mar	0%	AS	88.245-688	- 1	1 Lay Out & Prepi		
AS1236	AS123680 Ft & Weld Out Clips El 345-6 12th floor		36	34-Mar-1	26-Mar	0%	AS	88.245-681	- 1	g Fit & Weld Out		
A8122690 Rig Beams To El 245-6 (2th floor			28	34-Mar-1	26-Mar	0%	AS	85.245-681	- 4	g Rig Beams To		
AS123700 Bolt Up & Impact Bolts On Beams El 245-6 12th floor			10		25-Mar	0%	AS	88.245-681		Bot Up & Impa		
A8123710 Rig Grating & Handralis To El 245-6 12th floor			2		25-Mar	0%	AS	88.245-688	1	I Fig Grating & H		
AS1237	AS123720 Lay Orating & Screw Down To Beams El 245-6 12th floor AS123730 Instal & Bolt Up Handral's El 245-6 12th floor		12	26-Mar-1	26-Mar	0%	AS	88.245-688	- 1	I Hay Grating & S		
			4		26-Mar	0%	AS	86.245-681	1	i ihstali & Bolt UshHandra		
AS1237	40 Clean Up Work Area El 245-6 12th floor		2	26-Mar-1	25-Mar	0%	AS	88.245-688	- 1	I Glean Up Work	Area El 24	
Adui V	Adjai Work Cotosi Renation Work Sunnery			Post d-6				TASK Shere -1006. AS IN TOR TAR.				
Figure 1						(c) Primare Solaton In						







- ✓ Third Party Safety
 - > Unbiased perspective
 - ➤ Permit logistics
 - > Enforces your policies
 - > Eliminates Overhead
 - ➤ Consistent Quality





Thank you

