

**Typical Gas Plant Project
Engineering Task Template for Scheduling**

		File: ENG-Proced-004		
		Rev: A		
		Date: 06/15/21		
		By: Gjr		
Category	Task			
Conceptual Engineering		Start	Duration Weeks	End
	Design Basis Review			
	Acquire and Review Site Survey, Topo, and Geotechnical Report			
	Process Simulations			
	Process Flow Diagrams			
	P&ID and Line List Issue for Review			
	Plot Plan Issue for Review			
	Conduct Initial Constructibility Review			
	P&ID and Line List Issue for Approval			
	Plot Plan Issue for Approval			
	P&ID and Line List Issue for Design			
	Plot Plan Issue for Design			
	Flare System Study			
	Tie-in List			
	Bulks Control Estimate			
	Electrical Load List			
	Conceptual Electrical One-line			
	Electrical Area Classification drawings			
	Control System Architecture Plan			
Detail Engineering				
	Review Client Provided Packages and Equipment Data			
	Provide Process Data for Instrument Specs			
	Sitewide ESD Equipment Plan			
	Cause/Effect Diagram			
	Process Hazards Analysis (PHA)			
	P&ID and Line List Issue for Construction			
	Plot Plan Issue for Construction			
	Perform Electrical Studies			
	PLC/DCS/ESD Systems I/O List			
	PLC programming/ DCS Configuration			
	HMI Screens/ Reports			
	Spec/Requisition Amine and TEG Treating Package(s)			
	Spec/Requisition Condensate Stabilizer Packages(s)			
	Spec/Requisition Instrument Air & Other Packaged Systems			
	Spec/Requisition Major Vessels/ Towers			
	Spec/Requisition Compressors			
	Spec/Requisition Heat Exchange Equipment			
	Spec/Requisition Plant Flare(s)			
	Spec/Requisition Tanks & Minor Vessels			
	Spec/Requisition Process and Utility Pumps			
	Spec/Requisition PSVs and Tank Vents			
	Spec/Requisition 2" and larger Manual Valves			
	Spec/Requisition Filters, Specialty Items			
	Spec/Requisition Electrical Equipment			
	Spec/Requisition Prefabricated Distribution Center (PDC)			
	Spec/Requisition Automated Valves			
	Spec/Requisition Instrument Tag Items			
	Spec/Requisition Control Systems and HMI			
Detail Design- Area I (XXXXXX)				
	Slugcatcher/ Inlet Separator Foundations Plans, Details, & BOM			
	Piperack Foundations Plans , Details, and BOM			
	Piperack Structural Steel Plans and Details			
	Miscellaneous Pipe Supports Plans and Details			
	Area U/G Process and Utility Piping Model			
	Area A/G Process and Utility Piping Model			
	Area Constructibility Review			
	Area U/G Isometrics & BOM			
	Area A/G Isometrics & BOM			
	Area Smallbore Piping List			
	Area Grounding Plan			
	Area Cable Tray Plan & Details			
	Area Lighting Plan			

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<u>Category</u>	<u>Task</u>			
	Area Electrical Plan			
	Area Instrument Plan			
	Area Electrical Heat Trace Isometrics & BOM			
Detail Design- Area II (XXXXXXX)				
	Piperack Foundation Plans, Details, and BOM			
	Cryo Plant Equipment Foundation Plans, Details, and BOM			
	Amine & TEG Treater Equipment Foundation Plans, Details, and BOM			
	Piperack Structural Steel Plans and Details			
	Area Miscellaneous Pipe Supports Plans and Details			
	Area U/G Process and Utility Piping Model			
	Area A/G Process and Utility Piping Model			
	Area Constructibility Review			
	Area Rack Loading Plan & BOM			
	Area U/G Isometrics & BOM			
	Area A/G Isometrics & BOM			
	Area Smallbore Piping List			
	Area Grounding Plan			
	Area Cable Tray Plan & Details			
	Area Lighting Plan			
	Area Electrical Plan			
	Area Instrument Plan			
	Area Electrical Heat Trace Isometrics & BOM			
Detail Design- Area III (XXXXXXXXX)				
	Compressor Foundation Plans, Details, & BOM			
	Compressor Building General Arrangement Plan and Sections			
	Compressor Building Supports Foundation Plan, Details, and BOM			
	Area U/G Process and Utility Piping Model			
	Area A/G Process and Utility Piping Model			
	Sleeper Rack Foundation Plans, Details, and BOM			
	Area Miscellaneous Pipe Support Plans and Details			
	Compressor Discharge Coolers Foundation Plans and Details			
	Area Constructibility Review			
	Area U/G Isometrics & BOM			
	Area A/G Isometrics Issue for Pulsation Study			
	Pulsation Study and Pipe Stress Analysis			
	Area A/G Isometrics Issue for Construction			
	Area Smallbore Piping List			
	Area Grounding Plan			
	Area Cable Tray Plan & Details			
	Area Lighting Plan			
	Area Electrical Plan			
	Area Instrument Plan			
	Area Electrical Heat Trace Isometrics & BOM			
Detail Design- Area IV (XXXXXXXXX)				
	Site Grading/Drainage Plan			
	Site Fencing Plan			
	Flare and Flare KO Foundations Plans, Details, and BOM			
	Tank Foundations Plans, Details, and BOM			
	OSBL Piperack Foundation Plans, Details, and BOM			
	Instrument Air and Analyzer Bldgs Foundation Plans, Details, & BOM			
	PDC and Control Building Foundation Plans, Details, and BOM			
	OSBL Piperack Structural Steel Plans and Details			
	Area Miscellaneous Pipe Support Plans and Details			
	Area U/G Process and Utility Piping Model			
	Area A/G Process and Utility Piping Model			
	U/G Electrical Ductbank Plan and Stub-up Details (all areas)			
	Area Constructibility Review			
	Area Rack Loading Plan & BOM			
	Area U/G Isometrics & BOM			
	Area A/G Isometrics & BOM			
	Area Smallbore Piping List			
	Key Plan & Area Grounding Plan			
	Key Plan & Area Cable Tray Plan & Details			
	Key Plan & Area Lighting Plan			
	Key Plan & Area Electrical Plan			
	Key Plan & Area Instrument Plan			
	Area Electrical Heat Trace Isometrics & BOM			
	PDC Building Electrical Plan Drawings			
	MV One-Line Diagrams & MCC/SWGR Elevations			

