

Project Management - Quality - Do You Have A Quality Plan?

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Project Quality Plan

The elements of a Site Specific Quality System Plan are as follows:

- Roles and Responsibilities
- Document Control
- Materials Control
- Inspection and Testing
- ASME Code Work (See respective Contractors QA Manual)
- Control of Inspection, Measuring & Test Equipment
- Quality Reporting
- Control of Nonconforming Product
- Corrective and Preventative Action
- Quality System Audits
- Control of Client/Third Party Documentation
- Filing/Archiving of Quality Records
- Project Closure / Systems Turnover
- Pre-Commissioning / Commissioning

Problems With Quality Will Always Come Up

Key quality problem areas to address are:

- Planning and estimating. How good is the information you are using? If you don't have experienced people doing these tasks, you will have quality issues.
- The selection and control of contractors and suppliers. We always want to work with contractors and suppliers we have had success with before. There are some projects where this can't happen. Whether it's a different product or location you are not familiar with, then this can become a big issue.
- Personnel issues. Personnel will always try to bypass the system. Experience will tell you, whenever you bypass the system, it will come back later to bite you.
- Poorly defined scope - this is going to be your biggest problem.

Quality In Project Delivery

Quality control of the engineering design is the responsibility of the engineering contractor. It is the Owners responsibility to communicate project requirements to the contractor at the start of the project. It is the contractor's responsibility to produce a design that meets (and does not exceed), those requirements.

Quality Assurance

The Owner will do quality assurance of the engineering contractor's quality control procedures. The Owner will also audit engineering designs on individual projects to ensure conformance to project requirements. Audits on individual projects will be done through review of contractor designs prior to issue for purchase or construction.

Owner Review and Approval Process

The Owner's approval signature is required on all Process and Instrumentation Diagrams (P&IDs). It is the responsibility of the person signing to ensure that all impacted departments are consulted. The Owners signature is not required on other design documents and drawings, however, there will be normal reviews of them.

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For IPMA Project Management Certification in Canada see the Project Management Association of Canada webpage (pmac-agpc.ca).



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