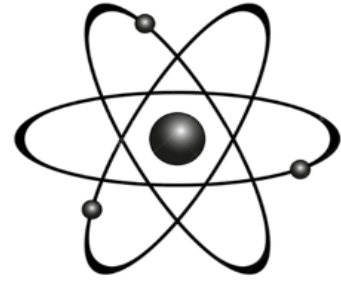
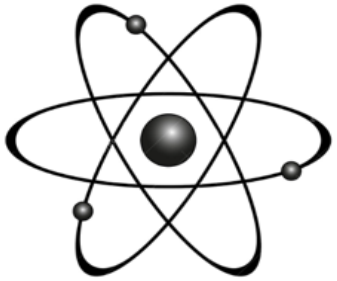


~ True Story 2009 ~



U.S. NRC

10CFR50, App B

@ NuScale Power

Content from GQM Nuclear Advisors
'Nuclear Management Systems' Course

Circa 1968, there were three professionals assigned to develop what became NRC 10CFR50 App B, released 1970. Mr. Gene Langston was one of them. In 2008, while starting NuScale Power's Nuclear QMS in Corvallis, OR, Gene assisted me w/a Baseline Readiness Assessment of OSUs Scale Test Facility after Westinghouse AP1K Program Team left. The facility was reconfigured for NuScale's design model & safety software. We spent a couple days & I prepared the readiness report.

While on-site, Gene talked about App B. He said "in those days ('68) we didn't have formal methods for managing documents. We needed a CHECKLIST GUIDE TO FINISH CONSTRUCTION which turned out to be the '18 Criteria,' App. B." **He essentially said that was the best they could figure at that time (1968-69).**

The Industry Needs to Ask Itself if Anything in 'Management System Practices' Has Advanced Since 1970. After 51 years in nuclear quality management, I unconditionally state yes. App B doesn't truly address business process requirements & administrative controls. How does it get to ISO9001 QMS, ISO19443 ITNS, IAEA-GS-R-3 Management System, & other nuclear safety-related requirements documents?

Suppliers need to define their '**SCOPE OF NUCLEAR QUALITY**'

- Nuclear Management System ~ Full-Scope of Operations & Programs 100%
- Nuclear Quality Management System ~ Limited-Scope of Operations & Programs 75%
- Nuclear Quality Assurance Program ~ Only SSCs 50%

Quality The degree to which an item or process meets or exceeds the user's requirements and expectations. **Most common industry definition: Conformance to Requirements.**

Quality Policy The overall quality intentions and direction of an organization regarding quality as formally expressed by top management.

Quality Management System (QMS) The organizational structure, processes, procedures, and resources needed to implement quality management goals, objectives, and requirements.

<https://gqmadvisors.com/disciplines/>

Quality Leadership (QL) The Department of the Navy's definition of QL is based on Dr. W. Edwards Deming's ideas. "The application of quantitative methods and the knowledge of people to assess and improve a) materials and services supplied to the organization, b) all significant processes within the organization, and c) meeting the needs of the end-user, now and in the future." [U.S. Depart Of The Navy TQL In The Fleet Theory to Practice, J.Wasik, B.Ryan, 1993, AD-A275 444 92pgs.](#)

Quality Management (QM) That aspect of the overall management function that determines and implements quality policy. Quality management includes strategic planning, allocation of resources, and systematic activities for quality such as quality planning, operations, oversight, and evaluation.

Quality Assurance (QA) Those planned and systematic activities implemented within the quality system that can be demonstrated to provide confidence that a product or service will fulfill requirements for quality.

Quality Control (QC) Those actions that provide a means of control and measure of the characteristics of an item, process, or facility to established requirements (inspection or source surveillance, or both).

Global Quality Management Advisors

Nuclear Management Systems

~ Focused on Quality ~

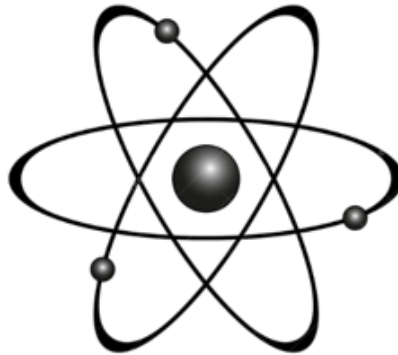
Paul W. Gladieux
CEO | CQO | Researcher | Founder
Lynchburg, VA USA
paul@gqmadvisors.com



Global Quality Management Advisors ~ Since 1991

GQMnuc.adv True Story –NuScale Pr 08-15-25 4slds p.w.gladieux

© 1991 GQM Advisors All rights reserved.



Nuclear Since 1974

<https://gqmadvisors.com/>