

Waste Treatment Plant Project

Design Compliance Matrix

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Design Compliance Matrix (DCM) Overview – AGENDA

- What is the Purpose of a DCM?
- What is a DCM?

VIT PLANT

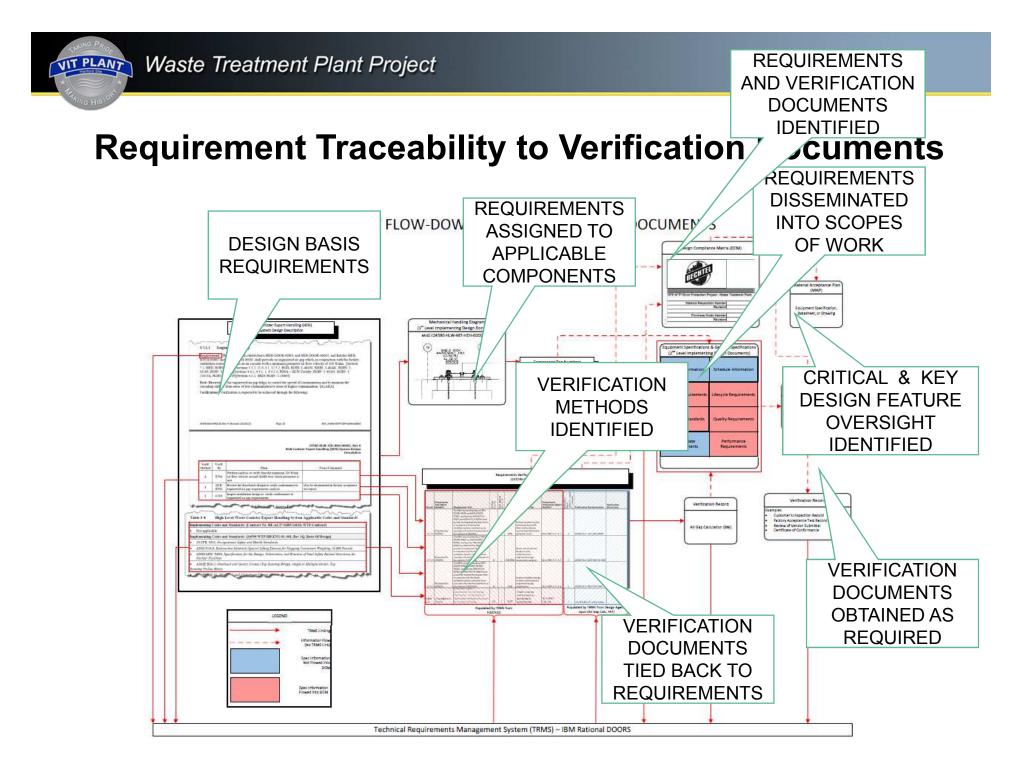
- Why complete a DCM?
- Who is responsible for the DCM?

Design Compliance Matrix – Purpose

- Provides a single point of reference for component design requirements which may come from a number of sources, such as specifications, standards, documented safety analysis, design criteria documents, environmental permitting, etc.
- Tracks component design and project requirements from their inception to completion
- Provides confidence that all relative requirements have been fulfilled and that the order may be considered complete
- Identifies unique requirements for WTP that are not in supplier's standard offerings
- Addresses methodologies that will be used to verify requirements, i.e. inspections, tests, and analyses
- Ensures acceptance criteria has been established

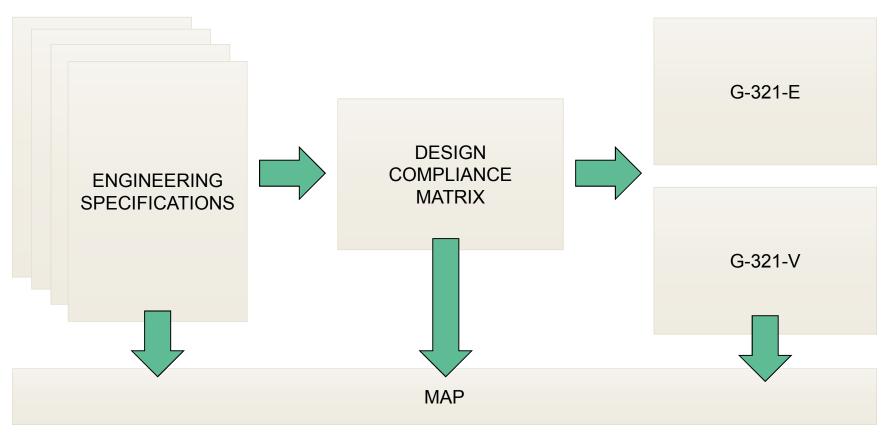
Design Compliance Matrix – Purpose

- Identifies critical characteristics/attributes and necessary surveillance or inspections
- Identification of document submittals relevant to requirements (i.e., G-321-E categories)
- Identification of verification document requirements to be included in the Quality Verification Document (QVD) package (i.e., G-321-V categories)
- Identifies evidence from the supplier of compliance to the requirements



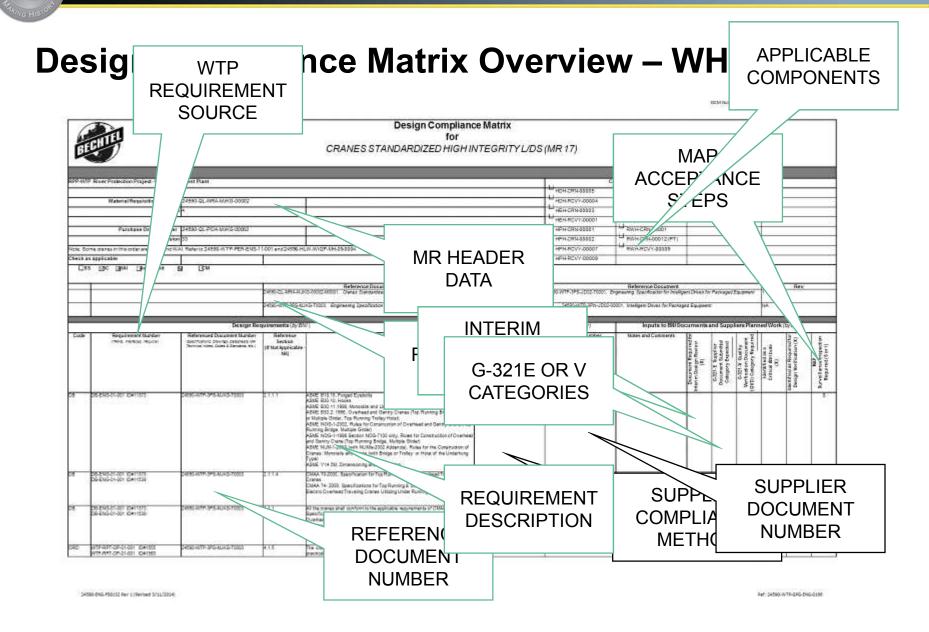
Design Compliance Matrix Overview – WHAT IS IT?

- A tabular form of requirements contained in the material requisition
- The link between the specifications, the G-321 E/V forms, and the Material Acceptance Plan (MAP)



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VIT PLANT



Design Compliance Matrix Overview – WHY DO IT?

Based on NQA-1-2000, RQMT 7, 400 and 50

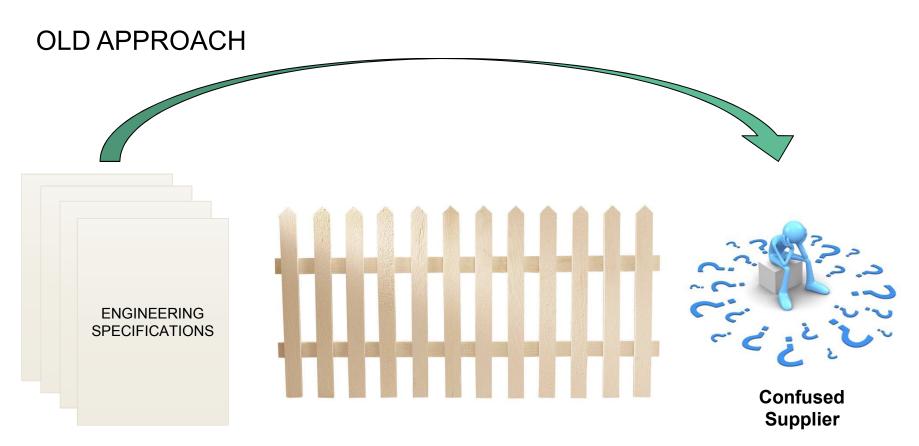
Controls shall be implemented to assure that the submittal and evaluation of supplier-generated documents are accomplished in accordance with the procurement document requirements

Prior to offering the item or service for acceptance, the supplier shall verify that the item or service being furnished complies with the procurement requirements

Where required by code, regulation, or contract, documentary evidence that items conform to procurement requirements shall be available at the WTP site prior to installation or use



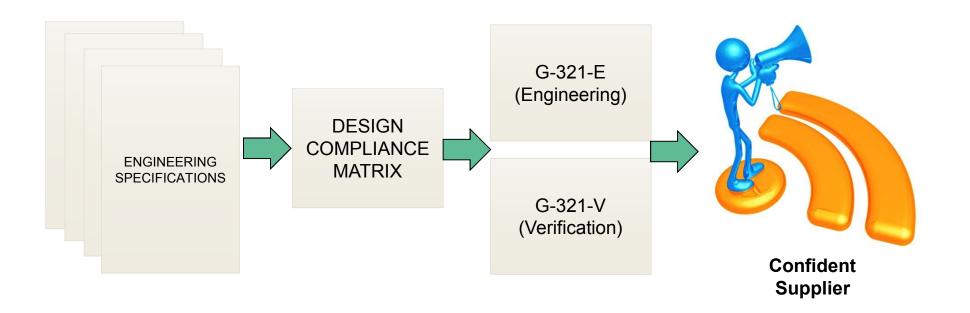
Design Compliance Matrix Overview – WHY DO IT?





Design Compliance Matrix Overview – WHY DO IT?

NEW APPROACH



Design Compliance Matrix Overview – WHO DOES WHAT?

- Responsible Engineer
 - Initiate, coordinate review, update, issue
 - Ensure alignment with material requisition(MR), Material Acceptance Plan (MAP), G-321E/V
- Procurement Representative
 - Incorporated into the purchase order and transmitted to the supplier (Excel spreadsheet and hard copy)
- Supplier
 - READ it, ask questions, populate their fulfilment columns
- Supplier Quality Representative
 - Use the DCM for shop surveillances
- Project Expeditor
 - Use the DCM and 15EX (Supplier Submittal Schedule) to work with suppliers to extract needed submittals and deliverables
- RI&T
 - Use the DCM for acceptance criteria in addition to the MAP



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QUESTIONS?

Email or Text wtppse@bechtel.com