OVERVIEW OF THE WASTE TREATMENT PLANT EXTERNAL FLOWSHEET TEAM REVIEW

(a.k.a. "the Best & Brightest" Review)

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RPP WTP Hanford Waste Treatment and Immobilization Plant Project

OUTLINE

- The Need
- The Approach
- The Outcome
- Lessons Learned
- Path Forward

THE NEED

- With the Cost Increasing and the Schedule Extending, DOE HQ Management Requested an In-depth Review of the:

  – Technical Soundness of the Flowsheet

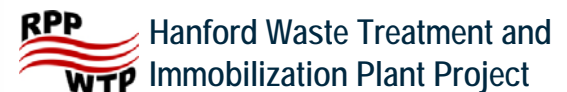 – Estimate at Completion.

- Technical Review to:

  "Provide A Comprehensive Review and Analysis of the WTP's Flowsheet Capability to Meet Contract Throughput as Designed".

WTP REVIEW APPROACH

(some items)

- Scope Defined *and* What the Scope is Not.
- Functional Criteria Established for Reviewers
- No One from the Main Companies Involved.
- Team Consisted of Members from Major "Competimates".
- Members Went Through 3 Review Gates.
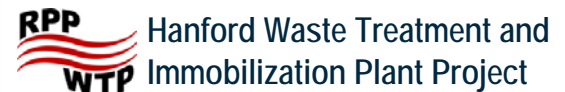
WTP REVIEW APPROACH
(some items continued)

- Outside Review Groups Participated in Interim Reviews.

- Review Team Composed All Presentations.

- Review Team Defined What was an Issue.

- Final Report Reviewed Only for Accuracy and Not Edited.

- All 31 Reviewers Signed the Report.

- Report Issued as Originally Scheduled.

THE OUTCOME

- No Fatal Flaws
- All Issues Fixable
- Issues Included Systemic and Area Specific.
- Issues:
  - 17 Major
  - 11 Potential
- Credibility of the Review

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LESSONS LEARNED

Far Too Many to List!   Just a Few......

- Be Careful of Words Used
- Scope Definition and Control Critical
    - What is the Objective and How Will the Outcome be Used?
- Liaison Team Selection
- Ensuring the Infrastructure is in Place to Support Review

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LESSONS LEARNED
A FEW MORE

- Information Flow to the Review Team

- Time Requirements and Reviewer Availability

- Management's Support

- Report Formulation and Support

- Outline Post Review Follow-up Strategy

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WTP PATH FORWARD

- Developed Response Plan for Each Issue
- Formed New Department (Process Engineering and Technology)
- Continued Involvement for Review of Plans by Appropriate EFRT Members
- Engage EFRT Members in Reviews with Other Outside Groups
- Updating the List of All Known Issues