
RIC 2005

Session Number T – C2

PWR Sump Performance

NRC Oversight / Impact of Test Results

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Overview

- NRC Oversight via
 - Pilot Program
 - Audit Program
- Compliance / Operability Issues
- Test Implications
- SE Supplement



NRC Oversight

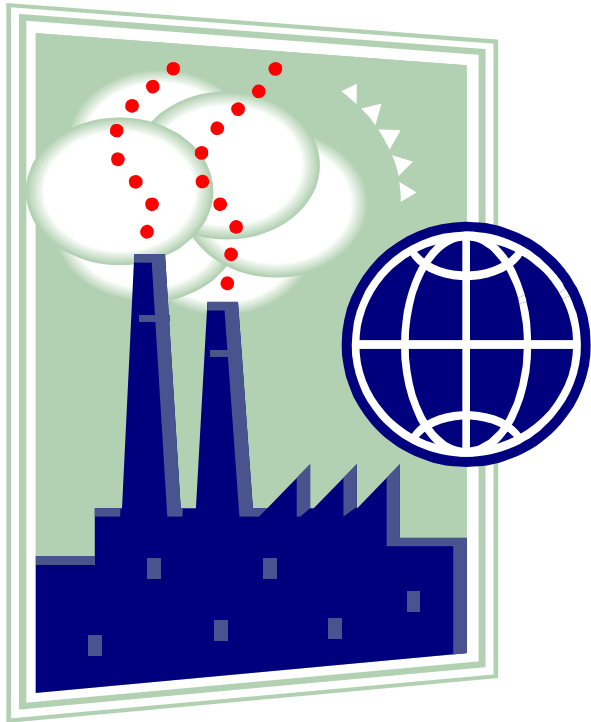
Pilot Program

- Pilot Program Approach
 - Joint effort
 - Staff is working with Crystal River 3
 - Public meetings to identify issues
 - Permits early problem resolution



NRC Oversight

Audit Program



- Considerations
 - Vendor
 - Methodology used
 - Clogging Susceptibility
 - Screen Design

Compliance / Operability Issues

- Regulatory Compliance
 - Existing licensing basis in-effect until GSI-191 resolution
- GSI-191 Resolution Date: 12/31/07
 - All plant mods & licensing basis mods are to be completed by this date
 - New methodology not “required” until after this date
- Compliance After 12/31/07
 - Based on new licensing basis incorporating new methodology



Test Implications

Chemical Test Implications

- Precipitant formed in Test #1 upon cooling solution to room temperature
- If chemical precipitation significantly affects head loss, then licensees must consider this effect in their evaluations



Test Implications

Downstream Test Implications

- Draft penetration tests results are being reviewed by the staff
- HPSI (high-pressure safety injection) Throttle Valve Testing is ongoing
- Staff will evaluate designs during review and audit programs

Test Implications

Confirmatory Testing for Head Loss Evaluation

- Head Loss Correlation
 - Temperature Effects
 - Cal Sil Effects
 - Bed Thickness Data
- Staff will use results in our review and audit programs



SE Supplement

- SE will be supplemented if...
 - Change in staff position
 - Generic applicability and susceptibility indicated in tests
 - Can remove overly conservative results