

Effect of Operational Relationships on Inspection Focus at NRC Licensed Fuel Cycle Facilities

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Inspection of Criticality Safety at Fuel Cycle Facilities

- NCS required to be administratively independent of production
- Licensees don't commit to ANS 8.19
- Requirement captured in fuel facility
 license
- Inspectors required to review NCS program independence



Operational Variables

- Fuel cycle facilities production oriented
 - Competitive environment
 - Operational details may not be shared with other licensees
- Strong personalities
 - Can be good or bad
 - Not always obvious
- Commitment to specific control types
- Limited inspection resources



Indicators of Production Orientation

- Heavy reliance on administrative controls
- Many unusual controls
 Know 'em when we see 'em
- Many weak controls
 Just don't seem right
- Changes to weaker control types
- Inability to articulate rationale for changes



Personality Variables

- Licensing, inspection, enforcement not personality based
 - Hire whoever you like
- Known personality issues that may affect inspection planning
 - Bias toward production
 - Bias towards specific controls
 - Conflict leading to communication problems



Reliance on Specific Control Types

- Intentional commitment is usually to strong control type
 - Assure applicability
 - Other controls not discounted
- Licensee may have no choice
 - Failure could have widespread effect
 - Look for weak link



Conclusion

- Many operational factors can affect an otherwise independent NCS program
- These factors play a role in the focus of NRC inspection efforts