FUEL CYCLE INDUSTRY VIEWS ON AN IMPROVED NRC OVERSIGHT PROGRAM

November 1, 2011 Fuel Facility and Nuclear Energy Institute Representatives

Presentation Outline

- Overview
- What's Viable Now?
- Path Forward & Reasoning
- How Do We Get There?

Overview

- Mutual goals remain relevant
- Industry suggests modest, incremental, improvements & resource efficiencies
- Current program not broken; no safety concerns identified; keep it simple
- Continued dialogue to develop and prioritize improvements

What's Viable Now?

- General alignment on CAP attributes
- Credit for CAP must support "right-sizing" inspection program:
 - e.g., facility performance + risk profile = inspection frequency + type
- Modified enforcement policy for CAP based on facility risk and performance

What's Viable Now? (continued)

- Better integrate ISA insights into FCOP
- Operations-based cornerstones appropriate
- Support qualitative SDP; more dialogue needed
- Complex ROP-like action matrix not necessary – keep it simple

Path Forward & Reasoning

- Implement modest, incremental, riskinformed changes based on ISAs
- Prioritize changes; step-wise implementation; keep it simple
- Improve communication with audiences: employees, global partners, public
 - Transparency demands terms audiences understand

Path Forward & Reasoning (continued)

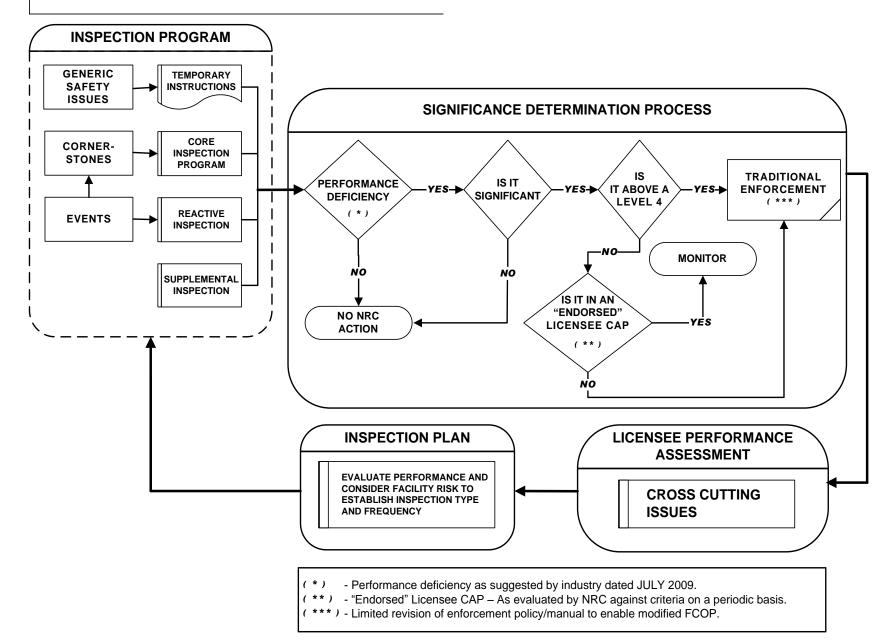
- Risk-informed PD definition and SDP
- Gain Resource Efficiencies:
 - CAP + facility performance + risk information
- Prioritized NRC inspection resources
 - Need to "right size" inspections + modify enforcement
 - Re-evaluate Resident Inspector program

How Do We Get There?

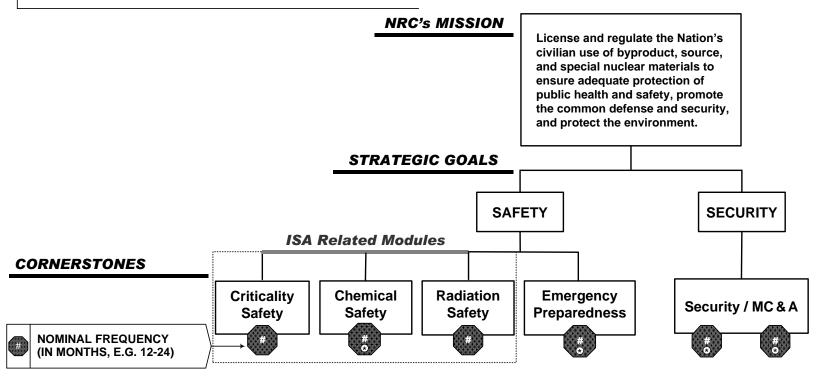
- Prioritize with other regulatory initiatives
- Resource loaded, NRC project plan developed with and supported by industry
- Proceed with viable improvements consistent with priority
- Develop success criteria at the outset

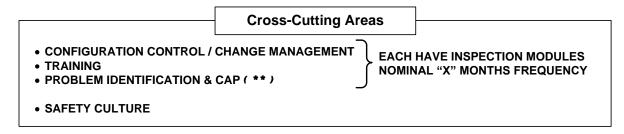
BACKUP SLIDES

DRAFT INDUSTRY FCOP EVOLUTIONARY ALTERNATIVE



DRAFT CORNERSTONES – EVOLUTIONARY APPROACH





- Nominal Period/Frequency – Adjustment for performance from 0.5 ightarrow 1.5 x (Nominal Period)

- (.) Adjustment for risk based on scope/profile of plant.
- (**)- If Licensee maintains an NRC endorsed program.

Current Initiatives Requiring Industry Support (not prioritized, not all inclusive)

FUEL CYCLE OVERSIGHT PROCESS	RULEMAKINGS	
	Proposed Part 40 Rulemaking	
Enhance NRC's Fuel Cycle Oversight Process	Potential Part 70 Rulemaking to address PRM	
(FCOP)	70-8	
Safety Culture Implementation	Part 61 Preliminary Depleted Uranium Rule	
Revise Enforcement Policy to Reflect CAP	Potential Part 61 Rulemaking to risk inform waste classification	
	Potential Rulemaking on Prompt Remediation	
	Potential Part 21 Rulemaking	
REGULATORY INITIATIVES	Decommissioning Planning Rule	
Temporary Instruction (TI) for mitigative	Part 20 Radiation Protection Regulations	
strategies	Potential 40 CFR Parts 190 & 192 Rulemaking	
Part 70.72 DG-3037–Facility Change Process	DOT Rulemaking to harmonize with TS-R-1	
Soluble Uranium Intake Draft Guidance	SECURITY INITIATIVES/RULEMAKINGS	
Chemical Dermal Exposure Standards	SECORITI INITIATIVES/RULEWARINGS	
Design features in ISA (versus IROFS)	Cyber security assessments	
Unplanned contamination events	Part 73 Rulemaking for Enhanced Weapons and	
Onsite medical treatment of contaminated	Security Event notifications	
workers	Part 74 Preliminary Rule language for Material	
Changes during Construction (CdC)	Control & Accounting	
DG-8040 HP Surveys at Enrichment & Fuel	Part 73 Rulemaking for Fuel Cycle Security	
Fabrication facilities	Potential Rulemaking on Chemical Security	
DG-4018 on Airborne Releases	Update Counterintelligence aspects of NEI 08-11	
DG-7007, Administrative Procedures for RAM	Part 37 Rulemaking on Physical Protection of	
shipment/receipt	Category 1 and 2 sources	
DG-7008, Leakage tests of packages for	Information Security Workshop	
shipments of RAM	Potential Part 95 Rulemaking	
· · · · · · · · · · · · · · · · · · ·	0	

Diverse Fuel Facilities

Part 70 Facilities		
AREVA NP – Lynchburg	Fuel Fab	Cat III
AREVA NP – Richland	Fuel Fab	Cat III
AREVA – Eagle Rock	Enrichment	
B&W – Lynchburg 1 RI	Fuel	Cat I
GEH – Global Nuclear Fuel	Fuel Fab	Cat III
GEH – Global Laser	Enrichment	
Enrichment		
LES – National Enrichment	Enrichment	
Facility		
NFS – Erwin	Fuel Fab	Cat III
NFS – Erwin – 2 RIs	Fuel	Cat I
Shaw, AREVA, MOX Services	Fuel	Cat I
USEC – American Centrifuge	Enrichment	
Westinghouse – Columbia	Fuel Fab	Cat III
Part 76 Facilities		
USEC – Paducah – 2 RIs	Enrichment	
USEC – Portsmouth	Enrichment	
Part 40 Facilities		
Honeywell – Metropolis	UF6 Production	
International Isotopes – Hobbs,	De-Conversion	
NM	De-Conversion	

Acronyms

- CAP Corrective Action Program
- ISA Integrated Safety Analysis
- FCOP Fuel Cycle Oversight Process
- PD Performance Deficiency
- NRC Nuclear Regulatory Commission
- ROP Reactor Oversight Program
- SDP Significance Determination Process