Part 26 Rulemaking

Draft Regulatory Analysis

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Analytical Methodology

- Attributes affected by the associated reduction in risks of accidents due to:
  - undetected use of drugs or alcohol
  - potential inconsistencies between FFD and the access authorization functions
- Many attributes are quantitatively analyzed
- Some rely on a qualitative evaluation

Baseline for Analysis

- What to measure the impacts of the proposed rule against
  - Baseline assumes full industry compliance with regulations and orders

Sensitivity Analyses - Alternative Baselines

- Pre-order baseline analysis
- Industry practices baseline
- Affect of discount rate on the results

Regulatory Analysis

- Models 41 FFD programs over 49 years
  - Power reactors, approved C/Vs, existing fuel-cycle facilities, planned mixed-oxide fuel fabrication facility
  - Power reactor programs are modeled based on:
    - the actual number of facilities (sites) per program
    - the actual number of reactors per facility
    - actual use of on-site testing versus HHS labs
    - assume 20-year license extensions for all reactors

Regulatory Analysis (cont.)

- Proposed rule expected to result in qualitative benefits
  - Enhancement in safeguards and security
  - Decrease in the risk of accidents, and their consequences
  - Decrease in radiological exposures
  - Increase in public confidence
  - Improved regulatory efficiency
  - Enhancement in workplace productivity/efficiency

Regulatory Analysis (cont.)

- Proposed rule expected to result in a net savings to industry
  - Industry saving of $35.2M (present value)
    - One-time cost of $4.7M
    - Annual saving of $2.9M
  - Average saving of $893K/program (present value)
    - One time cost of $114K
    - Annual saving of $72K

Regulatory Analysis (cont.)

- Backfit Analysis
  - Industry cost of $12.9M (present value)
    - One-time cost of $3.4M
    - Annual saving of $0.7M
  - Average cost of $323K/program (present value)
    - One time cost of $83K
    - Annual saving of $17K

Regulatory Analysis (cont.)

- Pre-Order Baseline
  - Industry saving of $464.0M (present value)
    - One-time cost of $9.9M
    - Annual saving of $34.7M
  - Average saving of $11.8M/program (present value)
    - One time cost of $242K
    - Annual saving of $846K

Regulatory Analysis (cont.)

- Largest one-time costs, per program:
  - Remedial training (26.29(b)) - $41K
  - Policy and procedure revisions (26.27(a)) - $31K
  - Visual privacy at collection sites (26.87(b)) - $23K

Regulatory Analysis (cont.)

- Largest annual costs, per program:
  - Initial validity tests/onsite (26.131) - $13K
  - Remedial training (26.29(b)) - $10K
  - Review FFD policy violations (26.39(c)) -$10K
  - Validity testing/HHS labs (26.161(b)(1)) - $8K
  - Inspecting donor pocket contents (26.103) - $8K
  - Track randomly selected individuals (26.31(d)(2)) - $3K
  - QC specimens/onsite testing facilities (26.137(c)(7)) - $3K

Regulatory Analysis (cont.)

- Largest annual savings, per program:
  - Exam in lieu of refresher training (26.29(c)(2)) - $65K
  - SAE makes substance-abuse-related FFD determinations (26.187) - $18K
  - Determinations of fitness/PDFFDI (26.189(b)(3)) - $16K
  - One breath specimen for alcohol (26.93) - $8K
  - Blind specimen testing/HHS labs (26.167(f)(2)) - $7K
  - Urine specimen min. 30 ml (26.107(a)) - $6K
  - Individuals subject to other acceptable programs (26.25(c)) - $6K