

ANI CRITERIA UPDATE

**26th Annual International
Dosimetry Symposium and
National Dosimetry Records
Conference**





ANI Criteria Revision Process

- ANI HP criteria revisions drafted by ANI Director – Health Physics
- ANI in-house review of draft revisions (Engineering, Underwriting, Legal)
- NEI / industry review and comment on ANI draft revisions
- ANI reviews and incorporates, as appropriate, industry comments (high acceptance rate)
- ANI formally responds (in writing) to each and every industry comment
- ANI criteria issued





ANI HP Criteria Revised 1st Half 2007

- 8.1 - *Organization, Qualifications, and Responsibilities*
- 8.2 - *Policies and Procedures*
- 8.6 - *Respiratory Protection*
- 8.8 - *Radiological Surveillance*
- 8.10 - *Data Analysis*






General Comments

- Background sections of the criteria were streamlined and reformatted.
- All references to Regulations, Reg. Guides, Standards, etc. were removed.
- ANI Criteria are insurance documents. The Background sections now directly link the nuclear liability insurance risk to the criteria.
- The Reference section of each Criteria was deleted





8.1 - *Organization, Qualifications, and Responsibilities*

- Enhanced criterion describing RP Supervisor / HP Engineer duties and responsibilities
- Enhanced criterion describing HP Technician duties and responsibilities
- Revised Radiation Protection personnel qualifications criteria to reflect current industry standards





8.2 - *Policies and Procedures*

- The order in which the individual criterion appear has been changed.
- The following sections were enhanced:
 - Personnel Management and Control
 - Radiological Event Investigation
 - Equipment Control and Use
 - Special Evolutions
 - RP “Stop Work” Authority
 - LHRA / VHRA Key Control





8.6 - *Respiratory Protection*

- Added criteria for the following:
 - Annual quantitative fit test
 - Additional fit testing based on facial changes
 - Perform fit testing while wearing appropriate protective clothing
 - Warn against respirator use with facial hair
 - Initial respirator training and annual retraining
 - Medical screening prior to wearing a respirator and annually thereafter
- Revised Criteria to ensure:
 - Qualitative fit tests are not used to assign Applied Protection Factors.
 - Half-face respirators are not used for protection against airborne radioactive materials.





8.8 - *Radiological Surveillance*

- Most significant change:
 - added criteria to perform a formal alpha characterization of the plant
- Deleted prescriptive instrument calibration requirements



8.10 - *Data Analysis*

- Replaced the term “TLD” with “DLR” (Dosimeter of Legal Record)
- Added High Radiation Areas and hydrogen injection rates to the list of items to be trended and analyzed



Planned HP Criteria Revisions for 2nd Half 2007

- 8.4 - *External Dosimetry*
- 8.5 - *Bioassay*
- 8.7 - *Contamination Control*

