

## **Points to cover in the SMR meeting with NRC on February 6** **(If time allows)**

1. Introduction of Participants (NRC)
2. Describe the Purpose of the call (Black/Imbro)
  - a. Discuss Scope of ASME Contract
  - b. Discuss status and next actions
3. Current status of NRC reviews of SMRs (NRC)
  - a. Applications/Pre-applications submitted or anticipated timeframe for submission
4. Identify potential NRC process issues (NRC)
  - a. Status of SMR design-specific Standard Review Plans?
  - b. Have any unique design basis/severe accidents been identified in the pre-application process (This is dependent on the design proposed)?
  - c. Has NRC developed any guidance for the use of the manufacturing license process?
5. Discuss any unique design features of SMRs (See examples below) that may present challenge for NRC review and may benefit from ASME development or modification of Code or Standard (All)
  - a. Extended fuel cycle
    - i. Inservice Inspection Challenges
    - ii. High fuel burnup
  - b. Underground facility installation
    - i. Effect on determination of ground motion response spectra and seismic analyses
  - c. Containment Design
    - i. Use of something other than Section III, NE “Metallic Containments”
  - d. Integral design of reactor coolant system
    - i. Inservice Testing (IST) of components (OM Code)
    - ii. Inservice Examination (ISI) of components (ASME Sec XI)
  - e. Submerged Integral Reactor Coolant System
    - i. Materials issues?
    - ii. ISI/IST challenges?
  - f. Categorization of Components
    - i. Identification/revision of Quality Group Scopes, i.e., components categorized as Class 1, 2, 3, or NNS
    - ii. Applicability of Regulatory Guide 1.26 and SRP Chapter 3 classification guidance to SMRs
6. Discuss, to the extent known, gaps in current ASME or other Codes and

Standards (IEEE, ANS, ACI, etc.) where it will be necessary to develop design/acceptance criteria to facilitate licensing of SMRs (All)

- a. ASME B&PV Code
    - i. Section II, Materials
    - ii. Section III, Construction
    - iii. Section XI, Inservice Examination
  - b. ASME Operations and Maintenance Code
  - c. ASME PRA Standard
7. Identify, to the extent known, any areas where SMR vendors may seek relaxation from current NRC regulations based on low values of CDF (All)
- a. Offsite Emergency planning
  - b. Relaxation of component design/examination requirements
8. Identification of research needed to establish and confirm criteria developed for any areas identified in the above “gap analysis”
9. Open up Q&A from all attendees
10. Recap of Meeting including future topics of discussion points of contact