

**MONTICELLO NUCLEAR GENERATING PLANT
2010 ILT NRC WRITTEM EXAM
WRITTEN EXAM OUTLINE RANDOM AND SYSTEMATIC PROCESS /
AUDIT EXAM METHODOLOGY**

The following describes the steps used to create a random and systematic selection process to develop the MNGP 2010 ILT NRC written exam outline. This method was discussed and approved by the Chief NRC Examiner.

1. Place an N/A at each E/APE or System NOT applicable to the MNGP reactor design type on NRC Form ES-401-1.
2. For Tier1/Group1 through Tier2/Group2 a random selection method was used to select the E/APE or System to be covered. This method consisted of randomly selecting annotated poker chips.
3. For the E/APE or System selected in step 2 above, (RO) a starting point was randomly selected. From that starting point, K1-A4 & G were systematically selected going down the page from left to right. (SRO) a systematic method was used to determine if the A2 or G category would be used. The philosophy of using a ratio of 2 A2/1 G was plausibly utilized. Poker chip selection determined the starting sequence.
4. With the E/APE or System selected and K1-A4 or G determined, poker chips were again used to randomly select the specific K/A.
5. Lastly, the K/As for the generic portion of the exam were randomly selected through the use of annotated poker chips. Of the four generic categories it was randomly determined how many questions would come from each category for the RO and SRO portions. The specific K/As were then randomly selected for all four categories using annotated poker chips.
6. The Audit Exam selection will ensure that the questions maintain the same Tier/Group requirements as the NRC exam. In no case will the same K/A be used for an Audit question that was used for an NRC question for that same system. The guidelines of NUREG 1021 Section 401.C.1.f fourth bullet will be followed.

NOTE: IAW NUREG 1021 ES-401-6, questions from the last two NRC exams are limited to 4 RO and 2 SRO. For the purposes of the 2010 ILT NRC Exam, the last two exams for ROs are the 2007 and 2009 ILT NRC Exams and the last two exams for the SROs are the 2007 SRO Retake and 2009 NRC ILT Exams. This was agreed to and approved by the Chief examiner.