

Draft Submittal

(Pink Paper)

DRAFT Written Exam Quality Checklist (ES-401-6)
& Written Exam Sample Plan

ST. LUCIE MARCH/APRIL 2006-301 EXAM
05000335/2006301 AND 05000389/2006301
MARCH 20 - 29, 2006 AND APRIL 6, 2006

4/24/06

| Facility: St. Lucie | Date of Exam: 3/20/2006 | Exam Level: | RO/SRO |
|---|---|-------------|----------|
| Item Description | Initial | | |
| | a | b* | c# |
| 1. Questions and answers technically accurate and applicable to facility. | JGA | | |
| 2. a. NRC K/As referenced for all questions. b. Facility learning objectives referenced as available. | JGA JGA | | |
| 3. SRO questions are appropriate in accordance with Section D.2.d of ES-401 | JGA | | |
| 4. The sampling process was random and systematic. (If more than 4 RO and 2 SRO questions were repeated from the last 2 NRC licensing exams, consult the NRR OL Program Office) | JGA | | |
| 5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: _____ the audit exam was systematically and randomly developed, or _____ the audit exam was completed before the license exam was started, or _____ the examinations were developed independently, or <u>XX</u> the licensee certifies that there is no duplication, or _____ other (explain) | JGA | | |
| 6. Bank use meets limits (no more than 75 percent from the bank at least 10 percent new, and the rest new or modified); enter the actual RO / SRO-only question distribution(s) at right. | Bank | Modified | New |
| | 43 / 16 | 5 / 3 | 27 / 6 |
| 7. Between 50 and 60 percent of the question on the RO exam are written at the comprehension/analysis level; the SRO exam may exceed 60 percent if the randomly selected K/As support the higher cognitive levels; enter the actual RO / SRO question distribution(s) at right | Memory | C/A | |
| | 30 / 4 | 45 / 21 | |
| 8. References/handouts provided do not give away answers or aid in the elimination of distractors. | JGA | | |
| 9. Question content conforms with specific K/A statements in the previously approved examination outline and is appropriate for the tier to which they are assigned; deviations are justified. | JGA | | |
| 10. Question psychometric quality and format meet the guidelines in ES Appendix B. | JGA | | |
| 11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with value on cover sheet. | JGA | | |
| Printed Name / Signature | | | Date |
| a. Author | Joseph G. Arsenault | | 2/1/2006 |
| b. Facility Reviewer (*) | _____ | | |
| c. NRC Chief Examiner (#) | _____ | | |
| d. NRC Regional Supervisor | _____ | | |
| Note: | * The facility reviewer's initials/signature are not applicable for NRC-developed examinations. | | |
| | # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required. | | |

DRAFT

| Facility: St. Lucie | | | | | | | | | | | | | | Date of Exam | | | | |
|---|-------------|------------------------|----|----|----|----|----|----|----|----|----|----|-----------------|--------------|---|----|----|-------|
| Tier | Group | RO K/A Category Points | | | | | | | | | | | SRO-Only Points | | | | | |
| | | K1 | K2 | K3 | K4 | K5 | K6 | A1 | A2 | A3 | A4 | G* | Total | K | A | A2 | G* | Total |
| 1. Emergency & Abnormal Plant Evolutions | 1 | | | | | | | | | | | | | | | 2 | 4 | 6 |
| | 2 | | | | | | | | | | | | | | | 2 | 2 | 4 |
| | Tier Totals | | | | | | | | | | | | | | | 4 | 6 | 10 |
| 2. Plant Systems | 1 | | | | | | | | | | | | | | | 2 | 3 | 5 |
| | 2 | | | | | | | | | | | | | | | 2 | 1 | 3 |
| | Tier Totals | | | | | | | | | | | | | | | 4 | 4 | 8 |
| 3. Generic Knowledge and Abilities Category | | | | 1 | 2 | 3 | 4 | | | | | | 1 | 2 | 3 | 4 | | |
| | | | | | | | | | | | | | 2 | 2 | 1 | 2 | 7 | |

DRAFT

1. Ensure that at least two topics from every K/A category are sampled within each tier of the RO outline (i.e., the "Tier Totals" in each K/A category shall not be less than two). Refer to Section D.1.c for additional guidance regarding SRO sampling.
2. The point total for each group and tier in the proposed outline must match that specified in the table. The final point total for each group and tier may deviate by ±1 from that specified in the table based on NRC revisions. The final RO exam must total 75 points and the SRO-only exam must total 25 points.
3. Select topics from many systems and evolutions; avoid selecting more than two K/A topics from a given system or evolution unless they relate to plant-specific priorities.
4. Systems/evolutions within each group are identified on the associated outline.
5. The shaded areas are not applicable to the category/tier.
- 6.* The generic (G) K/As in Tiers 1 and 2 shall be selected from Section 2 of the K/A Catalog, but the topics must be relevant to the applicable evolution or system. The SRO K/As must also be linked to 10 CFR 55.43 or an SRO-level learning objective.
7. On the following pages, enter the K/A numbers, a brief description of each topic, the topics' importance ratings (IR) for the applicable license level, and the point totals for each system and category. Enter the group and tier totals for each category in the table above; summarize all the SRO-only knowledge and non-A2 ability categories in the columns labeled "K" and "A". Use duplicate pages for RO and SRO-only exams.
8. For Tier 3, enter the K/A numbers, descriptions, importance ratings, and point totals on Form ES-401-3.
9. Refer to ES-401, Attachment 2, for guidance regarding the elimination of inappropriate K/A

Tier 1 Group 1

| Name/Safety Function | K1 | K2 | K3 | A1 | A2 | G | KA | Question Type | K/A Topic(s) | RO | SRO |
|---|----|----|----|----|----|---|-------------|---|-----------------------------|-----|-----|
| Reactor Trip - Stabilization - Recovery / 1 | 0 | 0 | 0 | 0 | 0 | 0 | 007EG2.4.49 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 4 | 4 |
| Pressurizer Vapor Space Accident / 3 | 0 | 0 | 0 | 0 | 0 | 0 | 008AG2.4.6 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 3.1 | 4 |
| Small Break LOCA / 3 | 0 | 0 | 0 | 0 | 0 | 0 | 009EA2.04 | Ability to determine and interpret the following as they apply to (EMERGENCY PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 3.8 | 4 |
| Large Break LOCA / 3 | 0 | 0 | 0 | 0 | 0 | 0 | 011EG2.4.49 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 4 | 4 |
| RCP Malfunctions / 4 | 0 | 0 | 0 | 0 | 1 | 0 | 015AA2.11 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | When to jog RCPs during ICC | 3.4 | 3.8 |
| Loss of Rx Coolant Makeup / 2 | 0 | 0 | 0 | 0 | 0 | 0 | 022AA2.04 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 2.9 | 3.8 |
| Loss of RHR System / 4 | 0 | 0 | 0 | 0 | 0 | 0 | 025AA2.07 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 3.4 | 3.7 |
| Loss of Component Cooling Water / 8 | 0 | 0 | 0 | 0 | 0 | 0 | 026AG2.1.33 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 3.4 | 4 |

Tier 1 Group 1

| Name/Safety Function | K1 | K2 | K3 | A1 | A2 | G | KA | Question Type | K/A Topic(s) | RO | SRO |
|---|----|----|----|----|----|---|-------------|---|---|-----|-----|
| Pressurizer Pressure Control System Malfunction / 3 | 0 | 0 | 0 | 0 | 0 | 0 | 027AA2.15 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 3.7 | 4 |
| ATWS / 1 | 0 | 0 | 0 | 0 | 1 | 0 | 029EA2.09 | Ability to determine and interpret the following as they apply to (EMERGENCY PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | Occurrence of a main turbine/reactor trip | 4.4 | 4.5 |
| Steam Gen. Tube Rupture / 3 | 0 | 0 | 0 | 0 | 0 | 0 | 038EA2.03 | Ability to determine and interpret the following as they apply to (EMERGENCY PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 4.4 | 4.6 |
| Steam Line Rupture - Excessive Heat Transfer / 4 | 0 | 0 | 0 | 0 | 0 | 1 | 040AG2.4.6 | This is a Generic, no stem statement is associated. | Knowledge symptom based EOP mitigation strategies. | 3.1 | 4 |
| Loss of Main Feedwater / 4 | 0 | 0 | 0 | 0 | 0 | 0 | 054AG2.4.49 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 4 | 4 |
| Station Blackout / 6 | 0 | 0 | 0 | 0 | 0 | 0 | 055EG2.4.49 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 4 | 4 |
| Loss of Off-site Power / 6 | 0 | 0 | 0 | 0 | 0 | 0 | 056AA2.22 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 3.4 | 3.6 |
| Loss of Vital AC Inst. Bus / 6 | 0 | 0 | 0 | 0 | 0 | 1 | 057AG2.1.33 | This is a Generic, no stem statement is associated. | Ability to recognize indications for system operating parameters which are entry-level conditions for technical specifications. | 3.4 | 4 |

Tier 1 Group 1

| Name/Safety Function | K1 | K2 | K3 | A1 | A2 | G | KA | Question Type | K/A Topic(s) | RO | SRO |
|--|----|----|----|----|----|---|-------------|---|---|-----|-----|
| Loss of DC Power / 6 | 0 | 0 | 0 | 0 | 0 | 0 | 058AG2.4.30 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 2.2 | 3.6 |
| Loss of Nuclear Svc Water / 4 | 0 | 0 | 0 | 0 | 0 | 1 | 062AG2.4.1 | This is a Generic, no stem statement is associated. | Ability to verify system alarm setpoints and operate controls identified in the alarm response manual. | 3.3 | 3.3 |
| Loss of Instrument Air / 8 | 0 | 0 | 0 | 0 | 0 | 1 | 065AG2.4.4 | This is a Generic, no stem statement is associated. | Ability to recognize abnormal indications for system operating parameters which are entry-level conditions for emergency and abnormal operating procedures. | 4 | 4.3 |
| Reactor Trip - Stabilization - Recovery / 1 | 0 | 0 | 0 | 0 | 0 | 0 | CE02EA2.1 | Ability to determine and interpret the following as they apply to (EMERGENCY PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 2.7 | 3.7 |
| Steam Line Rupture - Excessive Heat Transfer / 4 | 0 | 0 | 0 | 0 | 0 | 0 | CE05EA2.2 | Ability to determine and interpret the following as they apply to (EMERGENCY PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 3.4 | 4.2 |
| Loss of Main Feedwater / 4 | 0 | 0 | 0 | 0 | 0 | 0 | CE06EG2.4.6 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 3.1 | 4 |

Tier 1 Group 2

| Name / Safety Function | K1 | K2 | K3 | A1 | A2 | G | KA | Question Type | K/A Topic(s) | RO | SRO |
|-------------------------|----|----|----|----|----|---|-------------|---|--|-----|-----|
| Continuous Rod Withdr | 0 | 0 | 0 | 0 | 0 | 0 | 001AA2.05 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 4.4 | 4.6 |
| Dropped Control Rod / | 0 | 0 | 0 | 0 | 0 | 1 | 003AG2.4.49 | This is a Generic, no stem statement is associated. | Ability to perform without reference to procedures those actions that require immediate operation of system components and controls. | 4 | 4 |
| Inoperable/Stuck Contr. | 0 | 0 | 0 | 0 | 0 | 1 | 005AG2.4.1 | This is a Generic, no stem statement is associated. | Ability to verify system alarm setpoints and operate controls identified in the alarm response manual. | 3.3 | 3.3 |
| Emergency Boration / 1 | 0 | 0 | 0 | 0 | 0 | 0 | 024AA2.01 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 3.8 | 4.1 |
| Pressurizer Level Malfu | 0 | 0 | 0 | 0 | 0 | 0 | 028AG2.1.33 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 3.4 | 4 |
| Loss of Source Range I | 0 | 0 | 0 | 0 | 0 | 0 | 032AA2.05 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 2.9 | 3.2 |
| Loss of Intermediate Rε | 0 | 0 | 0 | 0 | 1 | 0 | 033AA2.10 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | Tech-Spec limits if both intermediate-range channels have failed | 3.1 | 3.8 |
| Fuel Handling Accident | 0 | 0 | 0 | 0 | 0 | 0 | 036AA2.01 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 3.2 | 3.9 |

Tier 1 Group 2

| Name / Safety Function | K1 | K2 | K3 | A1 | A2 | G | KA | Question Type | K/A Topic(s) | RO | SRO |
|------------------------|----|----|----|----|----|---|-------------|---|--|-----|-----|
| Steam Generator Tube | 0 | 0 | 0 | 0 | 0 | 0 | 037AA2.09 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 2.8 | 3.4 |
| Loss of Condenser Vac | 0 | 0 | 0 | 0 | 0 | 0 | 051AG2.4.4 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 4 | 4.3 |
| Accidental Liquid RadW | 0 | 0 | 0 | 0 | 0 | 0 | 059AA2.01 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 3.2 | 3.5 |
| Accidental Gaseous Ra | 0 | 0 | 0 | 0 | 1 | 0 | 060AA2.03 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | The steps necessary to isolate a given radioactive-gas leak, using P&IDs | 3.2 | 3.9 |
| ARM System Alarms / 7 | 0 | 0 | 0 | 0 | 0 | 0 | 061AG2.2.25 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 2.5 | 3.7 |
| Plant Fire On-site / 8 | 0 | 0 | 0 | 0 | 0 | 0 | 067AA2.04 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 3.1 | 4.3 |
| Control Room Evac. / 8 | 0 | 0 | 0 | 0 | 0 | 0 | 068AG2.1.33 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 3.4 | 4 |
| Loss of CTMT Integrity | 0 | 0 | 0 | 0 | 0 | 0 | 069AG2.4.6 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 3.1 | 4 |
| Inad. Core Cooling / 4 | 0 | 0 | 0 | 0 | 0 | 0 | 074EA2.06 | Ability to determine and interpret the | K/A Randomly Rejected | 4 | 4.6 |

Tier 1 Group 2

| Name / Safety Function | K1 | K2 | K3 | A1 | A2 | G | KA | Question Type | K/A Topic(s) | RO | SRO |
|-------------------------|----|----|----|----|----|---|-------------|---|-----------------------|-----|-----|
| High Reactor Coolant A | 0 | 0 | 0 | 0 | 0 | 0 | 076AA2.07 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 2.4 | 2.7 |
| Natural Circ. / 4 | 0 | 0 | 0 | 0 | 0 | 0 | CA13AA2.1 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 2.7 | 3.7 |
| RCS Overcooling - PTS | 0 | 0 | 0 | 0 | 0 | 0 | CA11AG2.22 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 3.4 | 4.1 |
| Functional Recovery / N | 0 | 0 | 0 | 0 | 0 | 0 | CA09AA2 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 0 | 0 |
| Excessive RCS Leakag | 0 | 0 | 0 | 0 | 0 | 0 | CA16AG2.4.4 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 4 | 4.3 |

Tier 2 Group 1

| Name / Safety Function | K1 | K2 | K3 | K4 | K5 | K6 | A1 | A2 | A3 | A4 | G | Question Type | K/A Topic(s) | KA | RO | SRO |
|--------------------------------|----|----|----|----|----|----|----|----|----|----|---|--|---|-------------|-----|-----|
| Reactor Coolant Pump | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | Effects of VCT pressure on RCP seal leakoff flows | 003A2.05 | 2.5 | 2.8 |
| Chemical and Volume Control | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 004A2.06 | 4.2 | 4.3 |
| Residual Heat Removal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 005A2.03 | 2.9 | 3.1 |
| Emergency Core Cooling | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 006A2.03 | 3.3 | 3.7 |
| Pressurizer Relief/Quench Tank | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 007GG2.1.2 | 3.0 | 4.0 |
| Component Cooling Water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 008GG2.1.33 | 3.4 | 4.0 |

Tier 2 Group 1

| Name / Safety Function | K1 | K2 | K3 | K4 | K5 | K6 | A1 | A2 | A3 | A4 | G | Question Type | K/A Topic(s) | KA | RO | SRO |
|--------------------------------------|----|----|----|----|----|----|----|----|----|----|---|--|-----------------------|------------|-----|-----|
| Pressurizer Pressure Control | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 010A2.02 | 3.9 | 3.9 |
| Reactor Protection | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 012A2.02 | 3.6 | 3.9 |
| Engineered Safety Features Actuation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 013A2.02 | 4.3 | 4.5 |
| Containment Cooling | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 022GG2.4.4 | 4.0 | 4.3 |
| Ice Condenser | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 025A2.05 | 2.5 | 2.7 |

Tier 2 Group 1

| Name / Safety Function | K1 | K2 | K3 | K4 | K5 | K6 | A1 | A2 | A3 | A4 | G | Question Type | K/A Topic(s) | KA | RO | SRO |
|-------------------------------|----|----|----|----|----|----|----|----|----|----|---|--|-----------------------------------|-------------|-----|-----|
| Containment Spray | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 026A2.02 | 4.2 | 4.4 |
| Main and Reheat Steam | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 039A2.04 | 3.4 | 3.7 |
| Main Feedwater | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 059GG2.4.49 | 4.0 | 4.0 |
| Auxiliary/Emergency Feedwater | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 061A2.04 | 3.1 | 3.4 |
| AC Electrical Distribution | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | Methods for energizing a dead bus | 062A2.05 | 2.9 | 3.3 |
| DC Electrical Distribution | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 063GG2.1.2 | 3.0 | 4.0 |

Tier 2 Group 1

| Name / Safety Function | K1 | K2 | K3 | K4 | K5 | K6 | A1 | A2 | A3 | A4 | G | Question Type | K/A Topic(s) | KA | RO | SRO |
|------------------------------|----|----|----|----|----|----|----|----|----|----|---|--|--|-------------|-----|-----|
| Emergency Diesel Generator | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 064A2.14 | 2.7 | 2.9 |
| Process Radiation Monitoring | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 073GG2.1.28 | 3.2 | 3.3 |
| Service Water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 076GG2.1.30 | 3.9 | 3.4 |
| Instrument Air | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | This is a Generic, no stem statement is associated. | Knowledge of system purpose and or function. | 078GG2.1.27 | 2.8 | 2.9 |
| Containment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | This is a Generic, no stem statement is associated. | Ability to verify system alarm setpoints and operate controls identified in the alarm response manual. | 103GG2.4.50 | 3.3 | 3.3 |
| Emergency Diesel Generator | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | This is a Generic, no stem statement is associated. | Ability to explain and apply all system limits and precautions. | 064GG2.1.32 | 3.4 | 3.8 |

Tier 2 Group 2

| Name / Safety Function | K1 | K2 | K3 | K4 | K5 | K6 | A1 | A2 | A3 | A4 | G | Question Type | K/A Topic(s) | KA | RO | SRO |
|-----------------------------|----|----|----|----|----|----|----|----|----|----|---|--|---------------------------------------|-------------|-----|-----|
| Control Rod Drive | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 001GG2.1.28 | 3.2 | 3.3 |
| Reactor Coolant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 002GG2.4.30 | 2.2 | 3.6 |
| Pressurizer Level Control | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 011A2.09 | 2.9 | 3.5 |
| Rod Position Indication | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 014GG2.2.22 | 3.4 | 4.1 |
| Nuclear Instrumentation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 015GG2.4.30 | 2.2 | 3.6 |
| Non-nuclear Instrumentation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 016GG2.4.4 | 4.0 | 4.3 |
| In-core Temperature Monitor | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 017GG2.2.25 | 2.5 | 3.7 |
| Containment Iodine Removal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | High temperature in the filter system | 027A2.01 | 3.0 | 3.3 |

Tier 2 Group 2

| Name / Safety Function | K1 | K2 | K3 | K4 | K5 | K6 | A1 | A2 | A3 | A4 | G | Question Type | K/A Topic(s) | KA | RO | SRO |
|---------------------------------------|----|----|----|----|----|----|----|----|----|----|---|--|-----------------------|-------------|-----|-----|
| Hydrogen Recombiner and Purge Control | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 028A2.01 | 3.4 | 3.6 |
| Containment Purge | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 029A2.03 | 2.7 | 3.1 |
| Spent Fuel Pool Cooling | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 033A2.03 | 3.1 | 3.5 |
| Fuel Handling Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 034GG2.4.49 | 4.0 | 4.0 |
| Steam Generator | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 035A2.01 | 4.5 | 4.6 |
| Steam Dump/Turbine Bypass Control | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use | K/A Randomly Rejected | 041A2.03 | 2.8 | 3.1 |

Tier 2 Group 2

| Name / Safety Function | K1 | K2 | K3 | K4 | K5 | K6 | A1 | A2 | A3 | A4 | G | Question Type | K/A Topic(s) | KA | RO | SRO |
|---------------------------|----|----|----|----|----|----|----|----|----|----|---|--|-----------------------|-------------|-----|-----|
| Main Turbine Generator | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 045A2.08 | 2.8 | 3.1 |
| Condenser Air Removal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 055GG2.1.28 | 3.2 | 3.3 |
| Liquid Radwaste | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 068A2.02 | 2.7 | 2.8 |
| Waste Gas Disposal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 071A2.02 | 3.3 | 3.6 |
| Area Radiation Monitoring | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | K/A Randomly Rejected | 072A2.02 | 2.8 | 2.9 |

Tier 2 Group 2

| Name / Safety Function | K1 | K2 | K3 | K4 | K5 | K6 | A1 | A2 | A3 | A4 | G | Question Type | | K/A Topic(s) | KA | RO | SRO |
|------------------------|----|----|----|----|----|----|----|----|----|----|---|---------------|--|--------------|-----|-----|-----|
| | | | | | | | | | | | | 45.3 / 45.13) | | | | | |
| Circulating Water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | 075A2.02 | 2.5 | 2.7 | |
| | | | | | | | | | | | | | Loss of circulating water pumps | | | | |
| Station Air | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | 079A2.01 | 2.9 | 3.2 | |
| | | | | | | | | | | | | | K/A Randomly Rejected | | | | |
| Fire Protection | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | 086A2.01 | 2.9 | 3.1 | |
| | | | | | | | | | | | | | K/A Randomly Rejected | | | | |
| Condensate | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | This is a Generic, no stem statement is associated. | 056GG2.1.28 | 3.2 | 3.3 | |
| | | | | | | | | | | | | | Knowledge of the purpose and function of major system components and controls. | | | | |

Tier 3

| Group | KA | Topic | RO | SRO |
|---------------------------|---------|---|-----|-----|
| Conduct of Operations | G2.1.10 | Knowledge of conditions and limitations in the facility license. | 2.7 | 3.9 |
| Conduct of Operations | G2.1.25 | Ability to obtain and interpret station reference materials such as graphs, monographs and tables. | 2.8 | 3.1 |
| Equipment Control | G2.2.34 | Knowledge of the process for determining the internal and external effects on core reactivity. | 2.8 | 3.2 |
| Equipment Control | G2.2.6 | Knowledge of the process for making changes in procedures as described in the safety analysis. | 2.3 | 3.3 |
| Radiation Control | G2.3.9 | Knowledge of the process for performing a containment purge. | 2.5 | 3.4 |
| Emergency Procedures/Plan | G2.4.47 | Ability to diagnose and recognize trends in an accurate and timely manner utilizing the appropriate data. | 3.4 | 3.7 |
| Emergency Procedures/Plan | G2.4.44 | Knowledge of emergency plan protective action recommendations. | 2.1 | 4 |

| Facility: St. Lucie | | Date of Exam | | | | | | | | | | | | | | | | |
|---|-------------|------------------------|----|----|----|----|----|----|----|----|----|----|-----------------|----|---|----|----|-------|
| Tier | Group | RO K/A Category Points | | | | | | | | | | | SRO-Only Points | | | | | |
| | | K1 | K2 | K3 | K4 | K5 | K6 | A1 | A2 | A3 | A4 | G* | Total | K | A | A2 | G* | Total |
| 1. Emergency & Abnormal Plant Evolution: | 1 | 2 | 3 | 4 | | | | 4 | 3 | | | 2 | 18 | | | | | |
| | 2 | 2 | 2 | 0 | | | | 1 | 2 | | | 2 | 9 | | | | | |
| | Tier Totals | 4 | 5 | 4 | | | | 5 | 5 | | | 4 | 27 | | | | | |
| 2. Plant Systems | 1 | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 28 | | | | | |
| | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 10 | | | | | |
| | Tier Totals | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 38 | | | | | |
| 3. Generic Knowledge and Abilities Category | | | | 1 | | 2 | | 3 | | 4 | | | | 1 | 2 | 3 | 4 | |
| | | | | 3 | | 3 | | 2 | | 2 | | | | 10 | | | | |

DRAFT

1. Ensure that at least two topics from every K/A category are sampled within each tier of the RO outline (i.e., the "Tier Totals" in each K/A category shall not be less than two). Refer to Section D.1.c for additional guidance regarding SRO sampling.
2. The point total for each group and tier in the proposed outline must match that specified in the table. The final point total for each group and tier may deviate by ±1 from that specified in the table based on NRC revisions. The final RO exam must total 75 points and the SRO-only exam must total 25 points.
3. Select topics from many systems and evolutions; avoid selecting more than two K/A topics from a given system or evolution unless they relate to plant-specific priorities.
4. Systems/evolutions within each group are identified on the associated outline.
5. The shaded areas are not applicable to the category/tier.
- 6.* The generic (G) K/As in Tiers 1 and 2 shall be selected from Section 2 of the K/A Catalog, but the topics must be relevant to the applicable evolution or system. The SRO K/As must also be linked to 10 CFR 55.43 or an SRO-level learning objective.
7. On the following pages, enter the K/A numbers, a brief description of each topic, the topics' importance ratings (IR) for the applicable license level, and the point totals for each system and category. Enter the group and tier totals for each category in the table above; summarize all the SRO-only knowledge and non-A2 ability categories in the columns labeled "K" and "A". Use duplicate pages for RO and SRO-only exams.
8. For Tier 3, enter the K/A numbers, descriptions, importance ratings, and point totals on Form ES-401-3.
9. Refer to ES-401, Attachment 2, for guidance regarding the elimination of inappropriate K/A

Tier 1 Group 1

| Name/Safety Function | K1 | K2 | K3 | A1 | A2 | G | KA | Question Type | K/A Topic(s) | RO | SRO |
|---|----|----|----|----|----|---|-------------|---|--|-----|-----|
| Reactor Trip - Stabilization - Recovery / 1 | 0 | 1 | 0 | 0 | 0 | 0 | 007EK2.02 | Knowledge of the interrelations between (EMERGENCY PLANT EVOLUTION) and the following:(CFR: 41.7 / 45.7 / 45.8) | Breakers, relays and disconnects | 2.6 | 2.8 |
| Pressurizer Vapor Space Accident / 3 | 0 | 0 | 0 | 0 | 0 | 0 | 008AK2.02 | Knowledge of the interrelations between (ABNORMAL PLANT EVOLUTION) and the following:(CFR: 41.7 / 45.7 / 45.8) | K/A Randomly Rejected | 2.7 | 2.7 |
| Small Break LOCA / 3 | 0 | 0 | 0 | 1 | 0 | 0 | 009EA1.09 | Ability to operate and / or monitor the following as they apply to (EMERGENCY PLANT EVOLUTION):(CFR: 41.7 / 45.5 / 45.6) | RCP | 3.6 | 3.6 |
| Large Break LOCA / 3 | 0 | 0 | 0 | 0 | 0 | 0 | 011EG2.1.27 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 2.8 | 2.9 |
| RCP Malfunctions / 4 | 0 | 0 | 0 | 0 | 0 | 0 | 015AK3.05 | Knowledge of the reasons for the following responses as they apply to (ABNORMAL PLANT EVOLUTION):(CFR: 41.5 / 41.10 / 45.6 / 45.13) | K/A Randomly Rejected | 2.8 | 3 |
| Loss of Rx Coolant Makeup / 2 | 0 | 0 | 0 | 0 | 0 | 1 | 022AG2.2.22 | This is a Generic, no stem statement is associated. | Knowledge of limiting conditions for operations and safety limits. | 3.4 | 4.1 |
| Loss of RHR System / 4 | 0 | 1 | 0 | 0 | 0 | 0 | 025AK2.02 | Knowledge of the interrelations between (ABNORMAL PLANT EVOLUTION) and the following:(CFR: 41.7 / 45.7 / 45.8) | LPI or Decay Heat Removal/RHR pumps | 3.2 | 3.2 |
| Loss of Component Cooling Water / 8 | 0 | 0 | 0 | 0 | 1 | 0 | 026AA2.03 | Ability to determine and interpret the following as they apply to (ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | The valve lineups necessary to restart the CCWS while bypassing the portion of the system causing the abnormal condition | 2.6 | 2.9 |

Tier 1 Group 1

| Name/Safety Function | K1 | K2 | K3 | A1 | A2 | G | KA | Question Type | K/A Topic(s) | RO | SRO |
|---|----|----|----|----|----|---|-----------|---|--|-----|-----|
| Pressurizer Pressure Control System Malfunction / 3 | 0 | 0 | 1 | 0 | 0 | 0 | 027AK3.01 | Knowledge of the reasons for the following responses as they apply to (ABNORMAL PLANT EVOLUTION):(CFR: 41.5 / 41.10 / 45.6 / 45.13) | Isolation of PZR spray following loss of PZR heaters | 3.5 | 3.8 |
| ATWS / 1 | 1 | 0 | 0 | 0 | 0 | 0 | 029EK1.02 | Knowledge of the operational implications of the following concepts as they apply to the EMERGENCY PLANT EVOLUTION):(CFR: 41.8 to 41.10 / 45.3) | Definition of reactivity | 2.6 | 2.8 |
| Steam Gen. Tube Rupture / 3 | 0 | 0 | 0 | 1 | 0 | 0 | 038EA1.04 | Ability to operate and / or monitor the following as they apply to (EMERGENCY PLANT EVOLUTION):(CFR: 41.7 / 45.5 / 45.6) | PZR spray to reduce coolant system pressure | 4.3 | 4.1 |
| Steam Line Rupture - Excessive Heat Transfer / 4 | 0 | 0 | 0 | 0 | 0 | 0 | 040AK2.01 | Knowledge of the interrelations between (ABNORMAL PLANT EVOLUTION) and the following:(CFR: 41.7 / 45.7 / 45.8) | K/A Randomly Rejected | 2.6 | 2.5 |
| Loss of Main Feedwater / 4 | 0 | 0 | 1 | 0 | 0 | 0 | 054AK3.04 | Knowledge of the reasons for the following responses as they apply to (ABNORMAL PLANT EVOLUTION):(CFR: 41.5 / 41.10 / 45.6 / 45.13) | Actions contained in EOPs for loss of MFW | 4.4 | 4.6 |
| Station Blackout / 6 | 0 | 0 | 0 | 1 | 0 | 0 | 055EA1.05 | Ability to operate and / or monitor the following as they apply to (EMERGENCY PLANT EVOLUTION):(CFR: 41.7 / 45.5 / 45.6) | Battery when approaching fully discharged | 3.3 | 3.6 |
| Loss of Off-site Power / 6 | 0 | 0 | 1 | 0 | 0 | 0 | 056AK3.02 | Knowledge of the reasons for the following responses as they apply to (ABNORMAL PLANT EVOLUTION):(CFR: 41.5 / 41.10 / 45.6 / 45.13) | Actions contained in EOP for loss of offsite power | 4.4 | 4.7 |

Tier 1 Group 1

| Name/Safety Function | K1 | K2 | K3 | A1 | A2 | G | KA | Question Type | K/A Topic(s) | RO | SRO |
|--|----|----|----|----|----|---|--------------|---|--|-----|-----|
| Loss of Vital AC Inst. Bus / 6 | 0 | 0 | 0 | 0 | 1 | 0 | 057AA2.01 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | Safety injection tank pressure and level indicators | 3.7 | 3.8 |
| Loss of DC Power / 6 | 1 | 0 | 0 | 0 | 0 | 0 | 058AK1.01 | Knowledge of the operational implications of the following concepts as they apply to the (ABNORMAL PLANT EVOLUTION):(CFR: 41.8 to 41.10 / 45.3) | Battery charger equipment and instrumentation | 2.8 | 3.1 |
| Loss of Nuclear Svc Water / 4 | 0 | 0 | 0 | 0 | 1 | 0 | 062AA2.06 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | The length of time after the loss of SWS flow to a component before that component may be damaged | 2.8 | 3.1 |
| Loss of Instrument Air / 8 | 0 | 0 | 1 | 0 | 0 | 0 | 065AK3.08 | Knowledge of the reasons for the following responses as they apply to (ABNORMAL PLANT EVOLUTION):(CFR: 41.5 / 41.10 / 45.6 / 45.13) | Actions contained in EOP for loss of instrument air | 3.7 | 3.9 |
| Reactor Trip - Stabilization - Recovery / 1 | 0 | 0 | 0 | 1 | 0 | 0 | CE02EA1.2 | Ability to operate and / or monitor the following as they apply to (EMERGENCY PLANT EVOLUTION):(CFR: 41.7 / 45.5 / 45.6) | Operating behavior characteristics of the facility. | 3.3 | 3.9 |
| Steam Line Rupture - Excessive Heat Transfer / 4 | 0 | 0 | 0 | 0 | 0 | 1 | CE05EG2.4.31 | This is a Generic, no stem statement is associated. | Knowledge of annunciators alarms and indications and use of the response instructions. | 3.3 | 3.4 |
| Loss of Main Feedwater / 4 | 0 | 1 | 0 | 0 | 0 | 0 | CE06EK2.2 | Knowledge of the interrelations between (EMERGENCY PLANT EVOLUTION) and the following:(CFR: 41.7 / 45.7 / 45.8) | Facility s heat removal systems, including primary coolant, emergency coolant, the decay heat removal systems, and relations between the proper operation of these systems to the operation of the facility. | 3.5 | 4 |

Tier 1 Group 2

| Name / Safety Function | K1 | K2 | K3 | A1 | A2 | G | KA | Question Type | K/A Topic(s) | RO | SRO |
|--------------------------|----|----|----|----|----|---|-------------|---|---|-----|-----|
| Continuous Rod Withdr | 0 | 1 | 0 | 0 | 0 | 0 | 001AK2.05 | Knowledge of the interrelations between (ABNORMAL PLANT EVOLUTION) and the following:(CFR: 41.7 / 45.7 / 45.8) | Rod motion lights | 2.9 | 3.1 |
| Dropped Control Rod / | 0 | 0 | 0 | 0 | 0 | 0 | 003AK2.05 | Knowledge of the interrelations between (ABNORMAL PLANT EVOLUTION) and the following:(CFR: 41.7 / 45.7 / 45.8) | K/A Randomly Rejected | 2.5 | 2.8 |
| Inoperable/Stuck Contr. | 1 | 0 | 0 | 0 | 0 | 0 | 005AK1.02 | Knowledge of the operational implications of the following concepts as they apply to the (ABNORMAL PLANT EVOLUTION):(CFR: 41.8 to 41.10 / 45.3) | Flux tilt | 3.1 | 3.9 |
| Emergency Boration / 1 | 0 | 0 | 0 | 1 | 0 | 0 | 024AA1.26 | Ability to operate and / or monitor the following as they apply to (ABNORMAL PLANT EVOLUTION):(CFR: 41.7 / 45.5 / 45.6) | Boric acid storage tank | 3.3 | 3.3 |
| Pressurizer Level Malifu | 1 | 0 | 0 | 0 | 0 | 0 | 028AK1.01 | Knowledge of the operational implications of the following concepts as they apply to the (ABNORMAL PLANT EVOLUTION):(CFR: 41.8 to 41.10 / 45.3) | PZR reference leak abnormalities | 2.8 | 3.1 |
| Loss of Source Range I | 0 | 0 | 0 | 0 | 1 | 0 | 032AA2.05 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | Nature of abnormality, from rapid survey of control room data | 2.9 | 3.2 |
| Loss of Intermediate Rε | 0 | 0 | 0 | 0 | 0 | 0 | 033AA1.03 | Ability to operate and / or monitor the following as they apply to (ABNORMAL PLANT EVOLUTION):(CFR: 41.7 / 45.5 / 45.6) | K/A Randomly Rejected | 3 | 3.2 |
| Fuel Handling Accident | 0 | 0 | 0 | 0 | 0 | 1 | 036AG2.1.33 | This is a Generic, no stem statement is associated. | Ability to recognize indications for system operating parameters which are entry-level conditions for technical | 3.4 | 4 |

Tier 1 Group 2

| Name / Safety Function | K1 | K2 | K3 | A1 | A2 | G | KA | Question Type | K/A Topic(s) | RO | SRO |
|------------------------|----|----|----|----|----|---|-----------|---|--|-----|-----|
| Steam Generator Tube | 0 | 0 | 0 | 0 | 0 | 0 | 037AK1.01 | Knowledge of the operational implications of the following concepts as they apply to the (ABNORMAL PLANT EVOLUTION):(CFR: 41.8 to 41.10 / 45.3) | K/A Randomly Rejected | 2.9 | 3.3 |
| Loss of Condenser Vac | 0 | 0 | 0 | 0 | 0 | 0 | 051AA2.02 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 3.9 | 4.1 |
| Accidental Liquid RadM | 0 | 0 | 0 | 0 | 1 | 0 | 059AA2.03 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | Failure modes, their symptoms and the causes of misleading indications on a radioactive-liquid monitor | 3.1 | 3.6 |
| Accidental Gaseous Ra | 0 | 0 | 0 | 0 | 0 | 0 | 060AA1.01 | Ability to operate and / or monitor the following as they apply to (ABNORMAL PLANT EVOLUTION):(CFR: 41.7 / 45.5 / 45.6) | K/A Randomly Rejected | 2.8 | 3 |
| ARM System Alarms / 7 | 0 | 0 | 0 | 0 | 0 | 0 | 061AA1.01 | Ability to operate and / or monitor the following as they apply to (ABNORMAL PLANT EVOLUTION):(CFR: 41.7 / 45.5 / 45.6) | K/A Randomly Rejected | 3.6 | 3.6 |
| Plant Fire On-site / 8 | 0 | 0 | 0 | 0 | 0 | 0 | 067AK1.02 | Knowledge of the operational implications of the following concepts as they apply to the (ABNORMAL PLANT EVOLUTION):(CFR: 41.8 to 41.10 / 45.3) | K/A Randomly Rejected | 3.1 | 3.9 |
| Control Room Evac. / 8 | 0 | 1 | 0 | 0 | 0 | 0 | 068AK2.07 | Knowledge of the interrelations between (ABNORMAL PLANT EVOLUTION) and the following:(CFR: 41.7 / 45.7 / 45.8) | ED/G | 3.3 | 3.4 |

Tier 1 Group 2

| Name / Safety Function | K1 | K2 | K3 | A1 | A2 | G | KA | Question Type | K/A Topic(s) | RO | SRO |
|-------------------------|----|----|----|----|----|---|--------------|---|--|-----|-----|
| Loss of C TMT Integrity | 0 | 0 | 0 | 0 | 0 | 0 | 069AK3.01 | Knowledge of the reasons for the following responses as they apply to (ABNORMAL PLANT EVOLUTION):(CFR: 41.5 / 41.10 / 45.6 / 45.13) | K/A Randomly Rejected | 3.8 | 4.2 |
| Inad. Core Cooling / 4 | 0 | 0 | 0 | 0 | 0 | 0 | 074EG2.4.31 | This is a Generic, no stem statement is associated. | K/A Randomly Rejected | 3.3 | 3.4 |
| High Reactor Coolant A | 0 | 0 | 0 | 0 | 0 | 0 | 076AK3.06 | Knowledge of the reasons for the following responses as they apply to (ABNORMAL PLANT EVOLUTION):(CFR: 41.5 / 41.10 / 45.6 / 45.13) | K/A Randomly Rejected | 3.2 | 3.8 |
| Natural Circ. / 4 | 0 | 0 | 0 | 0 | 0 | 1 | CA13AG2.1.28 | This is a Generic, no stem statement is associated. | Knowledge of the purpose and function of major system components and controls. | 3.2 | 3.3 |
| RCS Overcooling - PTS | 0 | 0 | 0 | 0 | 0 | 0 | CA11AK3.1 | Knowledge of the reasons for the following responses as they apply to (ABNORMAL PLANT EVOLUTION):(CFR: 41.5 / 41.10 / 45.6 / 45.13) | K/A Randomly Rejected | 3.2 | 3.5 |
| Functional Recovery / N | 0 | 0 | 0 | 0 | 0 | 0 | CA09AA2 | Ability to determine and interpret the following as they apply to ABNORMAL PLANT EVOLUTION):(CFR: 41.10 / 43.5 / 45.13) | K/A Randomly Rejected | 0 | 0 |
| Excessive RCS Leakag | 0 | 0 | 0 | 0 | 0 | 0 | CA16AK1.3 | Knowledge of the operational implications of the following concepts as they apply to the (ABNORMAL PLANT EVOLUTION):(CFR: 41.8 to 41.10 / 45.3) | K/A Randomly Rejected | 3.2 | 3.5 |

Tier 2 Group 1

| Name / Safety Function | K1 | K2 | K3 | K4 | K5 | K6 | A1 | A2 | A3 | A4 | G | Question Type | K/A Topic(s) | KA | RO | SRO |
|--------------------------------|----|----|----|----|----|----|----|----|----|----|---|--|---|------------|-----|-----|
| Reactor Coolant Pump | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | Knowledge of the effect that a loss or malfunction of the following will have on the (SYSTEM):(CFR: 41.7 / 45.7) | RCP seals and seal water supply | 003K6.02 | 2.7 | 3.1 |
| Chemical and Volume Control | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | Knowledge of the effect that a loss or malfunction of the following will have on the (SYSTEM):(CFR: 41.7 / 45.7) | Heat exchangers and condensers | 004K6.07 | 2.7 | 2.8 |
| Residual Heat Removal | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Knowledge of the effect that a loss or malfunction of the (SYSTEM) will have on the following:(CFR: 41.7 / 45.6) | CSS | 005K3.06 | 3.1 | 3.2 |
| Emergency Core Cooling | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | Knowledge of the operational implications of the following concepts as they apply to the (SYSTEM):(CFR: 41.5 / 45.7) | Effects of temperatures on water level indications | 006K5.01 | 2.8 | 3.3 |
| Pressurizer Relief/Quench Tank | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | Knowledge of the operational implications of the following concepts as they apply to the (SYSTEM):(CFR: 41.5 / 45.7) | Method of forming a steam bubble in the PZR | 007K5.02 | 3.1 | 3.4 |
| Component Cooling Water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | This is a Generic, no stem statement is associated. | Ability to locate and operate components, including local controls. | 008G2.1.30 | 3.9 | 3.4 |
| Pressurizer Pressure Control | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | Ability to monitor automatic operations of the (SYSTEM) including:(CFR: 41.7 / 45.5) | PRT temperature and pressure during PORV testing | 010A3.01 | 3.0 | 3.2 |
| Reactor Protection | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Knowledge of the effect that a loss or malfunction of the (SYSTEM) will have on the following:(CFR: 41.7 / 45.6) | ESFAS | 012K3.04 | 3.8 | 4.1 |
| Engineered Safety | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Ability to manually operate and/or | ESFAS initiation | 013A4.03 | 4.5 | 4.7 |

Tier 2 Group 1

| Name / Safety Function/ Features Actuation | K1 | K2 | K3 | K4 | K5 | K6 | A1 | A2 | A3 | A4 | G | Question Type | K/A Topic(s) | KA | RO | SRO |
|--|----|----|----|----|----|----|----|----|----|----|---|---|---|------------|-----|-----|
| Containment Cooling | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | Ability to predict and/or monitor changes in parameters associated with operating the (SYSTEM) controls including:(CFR: 41.5 / 45.5) | Containment pressure | 022A1.02 | 3.6 | 3.8 |
| Ice Condenser | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | K/A Rejected | 025K6.01 | 0 | 0 |
| Containment Spray | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | Ability to predict and/or monitor changes in parameters associated with operating the (SYSTEM) controls including:(CFR: 41.5 / 45.5) | Containment temperature | 026A1.02 | 3.6 | 3.9 |
| Main and Reheat Steam | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Knowledge of the physical connections and/or cause-effect relationships between (SYSTEM) and the following:(CFR: 41.2 to 41.9 / 45.7 to 45.8) | Atmospheric relief dump valves | 039K1.02 | 3.3 | 3.3 |
| Main Feedwater | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Knowledge of (SYSTEM) design feature(s) and or interlock(s) which provide for the following:(CFR: 41.7) | Automatic feedwater reduction on plant trip | 059K4.18 | 2.8 | 3.0 |
| Auxiliary/Emergency Feedwater | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | Ability to monitor automatic operations of the (SYSTEM) including:(CFR: 41.7 / 45.5) | AFW startup and flows | 061A3.06 | 4.2 | 4.2 |
| AC Electrical Distribution | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | This is a Generic, no stem statement is associated. | Ability to explain and apply all system limits and precautions. | 062G2.1.32 | 3.4 | 3.8 |
| DC Electrical Distribution | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) | Grounds | 063A2.01 | 2.5 | 3.2 |

Tier 2 Group 1

| Name / Safety Function | K1 | K2 | K3 | K4 | K5 | K6 | A1 | A2 | A3 | A4 | Question Type | K/A Topic(s) | KA | RO | SRO |
|------------------------------|----|----|----|----|----|----|----|----|----|----|--|---|----------|-----|-----|
| Emergency Diesel Generator | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | Fuel oil pumps | 064K2.02 | 2.8 | 3.1 |
| Process Radiation Monitoring | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Knowledge of electrical power supplies to the following:(CFR: 41.7) | Those systems served by PRMs | 073K1.01 | 3.6 | 3.9 |
| Service Water | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | Ability to predict and/or monitor changes in parameters associated with operating the (SYSTEM) controls including:(CFR: 41.5 / 45.5) | Reactor and turbine building closed cooling water temperatures. | 076A1.02 | 2.6 | 2.6 |
| Instrument Air | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Knowledge of electrical power supplies to the following:(CFR: 41.7) | Emergency air compressor | 078K2.02 | 3.3 | 3.5 |
| Containment | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Knowledge of the effect that a loss or malfunction of the (SYSTEM) will have on the following:(CFR: 41.7 / 45.6) | Loss of containment integrity under refueling operations. | 103K3.03 | 3.7 | 4.1 |
| Pressurizer Pressure Control | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | PORV failures | 010A2.03 | 4.1 | 4.2 |

Tier 2 Group 1

| Name / Safety Function | K1 | K2 | K3 | K4 | K5 | K6 | A1 | A2 | A3 | A4 | G | Question Type | K/A Topic(s) | KA | RO | SRO |
|--------------------------------|----|----|----|----|----|----|----|----|----|----|---|--|---|----------|-----|-----|
| DC Electrical Distribution | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | Ability to manually operate and/or monitor in the control room:(CFR: 41.7 / 45.5 to 45.8) | Battery voltage indicator | 063A4.02 | 2.8 | 2.9 |
| AC Electrical Distribution | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | Ability to (a) predict the impacts of the following on the (SYSTEM) and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal operation:(CFR: 41.5 / 43.5 / 45.3 / 45.13) | Aligning standby equipment with correct emergency power source (D/G) | 062A2.11 | 3.7 | 4.1 |
| Component Cooling Water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | Ability to manually operate and/or monitor in the control room:(CFR: 41.7 / 45.5 to 45.8) | CCW pump recirculation valve and its three-way control switch | 008A4.11 | 3.0 | 2.9 |
| Service Water | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Knowledge of (SYSTEM) design feature(s) and or interlock(s) which provide for the following:(CFR: 41.7) | Automatic opening features associated with SWS isolation valves to CCW heat exchanges | 076K4.03 | 2.9 | 3.4 |
| Containment | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Knowledge of (SYSTEM) design feature(s) and or interlock(s) which provide for the following:(CFR: 41.7) | Containment isolation system | 103K4.06 | 3.1 | 3.7 |
| Pressurizer Relief/Quench Tank | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | Ability to monitor automatic operations of the (SYSTEM) including:(CFR: 41.7 / 45.5) | Components which discharge to the PRT | 007A3.01 | 2.7 | 2.9 |

Tier 2 Group 2

| Name / Safety Function | K1 | K2 | K3 | K4 | K5 | K6 | A1 | A2 | A3 | A4 | Q | Question Type | K/A Topic(s) | KA | RO | SRO |
|-----------------------------|----|----|----|----|----|----|----|----|----|----|---|---|--|------------|-----|-----|
| Pressurizer Level Control | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Knowledge of electrical power supplies to the following:(CFR: 41.7) | PZR heaters | 011K2.02 | 3.1 | 3.2 |
| Rod Position Indication | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ability to predict and/or monitor changes in parameters associated with operating the (SYSTEM) controls including:(CFR: 41.5 / 45.5) | K/A Randomly Rejected | 014A1.01 | 2.9 | 3.1 |
| Nuclear Instrumentation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Ability to monitor automatic operations of the (SYSTEM) including:(CFR: 41.7 / 45.5) | Maximum disagreement allowed between channels | 015A3.04 | 3.3 | 3.5 |
| Non-nuclear Instrumentation | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | Knowledge of the operational implications of the following concepts as they apply to the (SYSTEM):(CFR: 41.5 / 45.7) | Separation of control and protection circuits | 016K5.01 | 2.7 | 2.8 |
| In-core Temperature Monitor | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Knowledge of electrical power supplies to the following:(CFR: 41.7) | K/A Randomly Rejected | 017K2 | 0 | 0 |
| Containment Iodine Removal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Knowledge of the physical connections and/or cause-effect relationships between (SYSTEM) and the following:(CFR: 41.2 to 41.9 / 45.7 to 45.8) | K/A Randomly Rejected | 027K1.01 | 3.4 | 3.7 |
| Condensate | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | This is a Generic, no stem statement is associated. | Knowledge of bases in technical specifications for limiting conditions for operations and safety limits. | 056G2.2.25 | 2.5 | 3.7 |

| Tier / Group | Randomly Selected K/A | Reason for Rejection |
|--------------|-----------------------|---|
| 1 / 2 | 001.AK2.05 | Q#19 - No rod motion lights. Replaced with AK2.06 |
| 2 / 1 | 061.A3.06 | Q#41 - The wording in the NRC generated outline (AFW startup and flows) does not match the K/A number (061.A3.06) selected in the NRC generated outline (S/G blowdown / sampling isolation) which has a value of 2.2/2.3. Changed to 061.A3.01. |
| 1 / 1 | 015.AA2.11 | Q#76 Replace – This plant does not jog RCPs during inadequate core cooling due to ability to perform once-through cooling with PORVs. Replaced with AA2.08 |
| 1 / 2 | 033.AA2.10 | Q#84 Replace – No Intermediate range NI. Replaced with AA2.06 |
| 2 / 1 | 008.A4.011 | Q#52 – Changed to K/A A4.08 as there is no 3-way CCW recirc valve. |
| 2 / 2 | 041.K4.15 | Q#62 – Changed to K/A K4.17 as there is no ICS at St. Lucie. |
| 2 / 1 | 056.GG2.1.28 | Q#93 – Changed to K/A 056.GG2.1.34 Unable to meet SRO knowledge and 10CFR55.43 requirements with original K/A (knowledge of purpose and function of Condensate System) |
| 1 / 1 | 027.AK3.01 | Q#6 – Changed to K/A 027.AK3.03. Unable to meet original K/A (isolation of PZR spray following loss of heaters) Action not performed at facility. |
| 1 / 1 | 057.AA2.01 | Q#12 – Changed to K/A 057.AA2.15. Unable to develop discriminatory test item for original K/A (impact on Safety injection tank pressure and level indicators). |
| 1 / 2 | 036.AG2.1.33 | Q#24 – Reselected 036 G2.1.20. Topic provided by original outline had related material covered by questions 48, 55, and 61. |
| 2 / 1 | 007.K5.02 | Q#32 – Changed to K/A 007.K1.03. Unable to meet intent of original K/A. Replaced with K1 as no other K5 items met the 2.5 importance cutoff. |
| 1 / 1 | 062.AG2.4.1 | Q#80 – Changed to 062 AG2.4.45 Original topic was excessive overlap with other portions of exam |
| 2 / 1 | 078 G2.1.27 | Q#88. Impossible to develop an SRO level item from this topic. Reselected 006 A2.02. |
| 2 / 1 | 103 G2.4.50 | Impossible to develop an SRO level item for this topic. Reselected 103 G2.4.11. |
| 2 / 1 | 007 A3.01 | Excessive overlap with Questions 32, 34, and 49, relating to PORV tailpipe, Pressurizer, and/or Quench Tank operation. Reselected from all of Tier 2 Group 1. 005 K5.09 was the selected item. |
| 1 / 1 | 007 EK2.02 | Q#1. Topic was excessive overlap with Q#65. Reselected 007 EK2.03 |