

DRAFT OUTLINE COMMENTS

Facility: STP

First Exam Date: 09/25/17

| Written Exam Outline (Feb/2017) | | |
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| Comment | | Resolution |
| 1 | NRC Generated | |
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| Administrative JPM Outline (6/29/2017) | | |
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| Comment | | Resolution |
| 1 | SRO A9 needs to be changed to an extended PAR due to predictability. Last two exams were EAL calls. | Licensee changed it to a PAR. |
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| Control Room / In-Plant System JPM Outline (6/29/2017) | | |
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| Comment | | Resolution |
| 1 | For JPM S-4, This is really an electrical JPM (no ESF pumps involved) so it does not count as an ENS JPM if so. ES-301-2 form needs updating. | Licensee corrected. |
| 2 | For JPM S-3, this is an ENS JPM. Please add to outline as such. | Licensee corrected. |
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| Simulator Scenario Outline Comments (6/29/2017) | | |
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| Comment | | Resolution |
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| | <p>General comments for scenarios-</p> <ol style="list-style-type: none"> 1. There is a normal event in all four scenarios so we need to ensure that there is more than one or two switch manipulations for these events to consider them for the NRC exam. Can't tell with the outlines. Normals can be exchanged 1/1 with malfunction events and is usually preferred because it gives the examiner better insights into applicant knowledge and performance. 2. Each scenario needs to be balanced between the RO (2) and BOP (2) positions for events prior to the major. 3. Events that cause the plant to move and are dynamic are more appropriate for the NRC exam prior to the major. 4. Some CT's are not bounded as required by NUREG. 5. What about inadvertent starts of injection pumps at power-these add water, challenge SG level control, and give you a TS call on really important equipment? These are good events prior to the Majors. 6. Not one controller failure in all four scenarios? 7. Two of the four scenarios should require EOP contingencies. NUREG states that <u>at least one</u> must be but with four scenarios a second scenario should be also. | All comments resolved (not all before draft exam submittal) during validation week. |
| 1 | <p>Scenario 1-</p> <ol style="list-style-type: none"> a) Event 3, this doesn't look like much for the RO. Where are rod control, charging, Th failures events , etc, that the RO would need to address? How about borating or diluting for temp control and controller fails in auto (valve fails open until go to manual on controller and drive output to 0). b) Need a second RO event prior to the major. c) Add a second malfunction after | All comments resolved (not all before draft exam submittal) during validation week. |

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| | <p>EOP entry that is significant to a SF such as an AFW valve failure so that we have 3 CT's and 2 Malfunctions after EOP entry for symmetry across the 4 scenarios.</p> <p>d) Have several rad monitor failures that are TS calls. One is enough in the four scenarios. We need to use more risk significant equipment when possible for the TS calls.</p> | |
| 2 | <p>Scenario 2-</p> <p>a) Need one more BOP event before major for balance-a loss of a non-safety bus or a bus ground or something like that might work?</p> <p>b) How is power restored for the third CT-need to briefly discuss in the narrative.</p> | All comments resolved (not all before draft exam submittal) during validation week. |
| 3 | <p>Scenario 3-</p> <p>a) For event 7, make it a shaft shear instead of simple trip for Stator water pump 'A'.</p> <p>b) If event 1 is a swap from 'A' to 'B' stator water pump, how can event 7 have a trip of the 'A' pump- it wouldn't be running would it?</p> <p>c) Isn't event 6 for this scenario a CT? If you don't get ccw cooling going then the room overheats and equipment can fail. This is true and is a CT at CP for RHR rooms, I believe? If so, this would add your third CT needed to balance this one with the others for 3 CTs.</p> | All comments resolved (not all before draft exam submittal) during validation week. |
| 4 | <p>Scenario 4 –</p> <p>a) Need one additional malfunction after EOP entry for balance-how about a temp instrument fails that is being used for the cooldown and they have to use a different one?</p> <p>b) Put the tube rupture on 1D and make the size different, around 450 gpm to minimize predictability.</p> <p>c) You have two instrument TS calls in this one and it would be better if you had one TS call on a fan,</p> | All comments resolved (not all before draft exam submittal) during validation week. |

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| | <p>valve, or pump, such as CR vent fans, valve or pump trouble alarms if possible, which leads to TS call. Could also be performing surveillance as a normal event such as RHR, LPHI, AFW, and have something fail that requires TS entry.</p> | |
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