

March 13, 2015

ATTN: Mr. Keith Walton
Chief Examiner, Operations Branch, Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

SUBJECT:
Perry Nuclear Power Plant
NRC Post-Examination Material, Perry License Class 1-LOT-15

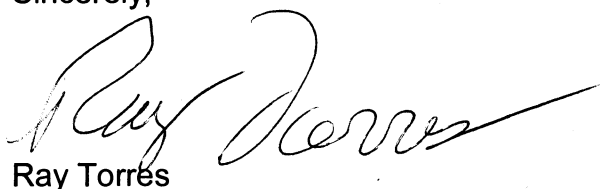
In accordance with the guidance provided in NUREG-1021, Operator Licensing Examination Standards for Power Reactors (Revision 9 Supplement 1), ES-501, Initial Post-Examination Activities, Section C.1, the following materials are submitted in support of the Perry Nuclear Power Plant written operator license examination conducted on March 6, 2013.

1. Form ES 201-3, Examination Security Agreement sheet (For Eric Blood's JPM Exam)

All other post exam documentation has been sent to you under correspondence L-15-082 dated March 2, 2015. This completes the necessary documentation for the Perry Unit 1 Initial Licensing Examination.

If there are any questions or if additional information is required, please contact Ray Torres at (440) 280-5277.

Sincerely,



Ray Torres

Attachments:
Form ES-201-3, Examination Security Agreement sheet (1 sheet)



FirstEnergy Nuclear Operating Company

Perry Nuclear Power Plant
P.O. Box 97
10 Center Road
Perry, Ohio 44081

Ernest J. Harkness
Vice President

440-280-5382
Fax: 440-280-8029

March 2, 2015
L-15-082

10 CFR 55

ATTN: Mr. Raymond Keith Walton
Chief Examiner, Operations Branch, Region III
U.S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

SUBJECT:

Perry Nuclear Power Plant
Docket No. 50-440, License No. NPF-58
NRC Post-Examination Material, Perry License Class 1LOT15

In accordance with the guidance provided in NUREG-1021, "Operator Licensing Examination Standards for Power Reactors" (Revision 9, Supplement 1), ES-501, "Initial Post-Examination Activities" Section C.1, the following materials are submitted in support of the Perry Nuclear Power Plant (PNPP) written operator license examination conducted on February 19, 2015:

1. the graded written examinations (i.e., each applicant's original answer and examination cover sheets) plus two clean copies of each applicant's answer sheet
2. the master examination answer key (no changes were made while administering and grading the examinations)
3. any questions asked by and answers given to the applicants during the written examination
4. any substantive comments made by the applicants after the written examination, with an explanation concerning why the comment was accepted or rejected
5. the written examination seating chart
6. a completed Form ES-403-1, "Written Examination Grading Quality Checklist"
7. the results of any written examination performance analysis that was performed, with recommended substantive changes
8. original Form ES-201-3, "Examination Security Agreement," with a pre- and post-examination signature by every individual who had detailed knowledge of any part of the operating tests or written examination before they were administered

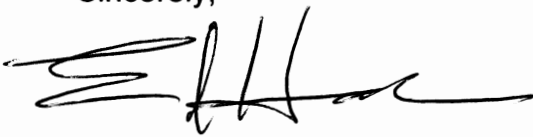
The post-examination performance analysis identified potential areas of weakness. Two questions on the Reactor Operator written examination (RO-18 and RO-73) and

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one Senior Reactor Operator question on the written examination (SRO-25) were missed by 50 percent or more of the applicants. This condition was entered in the Corrective Action Program for further investigation under Condition Report 2015-02295.

There are no regulatory commitments contained in this letter. If there are any questions or if additional information is required, please contact Mr. Nicola Conicella, Manager - Regulatory Compliance, at (440) 280-5415.

Sincerely,

A handwritten signature in dark ink, appearing to read 'E. Harkness', with a stylized, flowing script.

Ernest J. Harkness

Attachments:

1. Graded Written Examinations and Applicant's Answer Sheets
2. Master Examination Answer Key
3. Questions Asked by and Answers Given to the Applicants During the Written Examination
4. Substantive Comments Made by the Applicants After the Written Examination, With an Explanation Concerning Why the Comment was Accepted or Rejected
5. Written Examination Seating Chart
6. Completed Form ES-403-1, "Written Examination Grading Quality Checklist"
7. Original Form ES-201-3, "Examination Security Agreement," With a Pre- and Post-examination Signature by Every Individual Who Had Detailed Knowledge of Any Part of the Operating Tests or Written Examination Before They Were Administered

cc: NRC Project Manager (w/o attachments)
NRC Resident Inspector (w/o attachments)
NRC Region III Branch Chief (w/o attachments)
NRC Document Control Desk (w/o attachments)

Question SRO #5

1. Recommendation – Amend the Answer Key to list ‘Answer B’ as a correct answer, in addition to ‘Answer C’ since we have provided “newly discovered technical information that supports a change in the answer key.”

2. Justification – The question asks what NRC notification is required based on an unexpected radiological exposure exceeding 5 REM. Per §50.72(b)(2)(xi) The licensee shall notify the NRC as soon as practical and in all cases, within four hours of the occurrence of ... any event or situation, related to the health and safety of the public or onsite personnel, or protection of the environment, for which a news release is planned or notification to other government agencies has been or will be made.

A 4 hour NRC notification is required due notification of the Ohio Department of Health per Ohio Administrative Code 3701:1-38-21

In summary, three notifications are required to be made:

- 24-hour Notification to the NRC for exposure exceeding 5 REM [10 CFR 20.2202(b)]
- 24-hour Notification to the State of Ohio for exposure exceeding 5 REM [Ohio Administrative Code 3701:1-38-21]
- 4-hour Notification to the NRC for the Notification to the State of Ohio [10 CFR 50.72(b)(2)(xi)]

3. References – NOBP-OP-1015 attachments 19, 34, and 45

ATTACHMENT #1

QUESTION SRO 5

The Plant is in a refueling outage.

A contract worker performing an inspection of a twice burnt fuel bundle in the fuel inspection machine received an unexpected exposure of 5105 mRem TEDE when the upper stop failed on the fuel inspection machine.

Not including Events Of Potential Public Interest, what notification to the NRC is required?

Reference Provided:

- A. An Immediate Notification
- B. A 4 Hour Notification
- C. A 24 Hour Notification
- D. A Thirty Day Notification

QUESTION SRO 5

Examination Outline Cross-Reference	Level:	RO	SRO		
	Tier #		3		
	Group #				
	K/A#	Generic	2.3.12		
	Importance Rating		3.7		
<p>K&A: Knowledge of radiological safety principles pertaining to licensed operator duties, such as containment entry requirements, fuel handling responsibilities, access to locked high-radiation areas, aligning filters, etc.</p>					
<p>Generic</p> <p>Explanation: Answer C – Per 10CFR20.2202(b), Each licensee shall, within 24 hours of discovery of the event, report any event involving loss of control of licensed material possessed by the licensee that may have caused, or threatens to cause, any of the following conditions: (1) An individual to receive, in a period of 24 hours (i) A total effective dose equivalent exceeding 5 rems</p> <p>A – Incorrect – Plausible since a radiation exposure >25 REM is immediately reportable.</p> <p>B – Incorrect – Plausible as a 4-hour notification is required for an incident involving the spent fuel (72.75(b)(1)).</p> <p>D – Incorrect – Plausible since this is a requirement for lost or stolen SNM.</p>					
<p>Technical Reference(s): NOP-OP-1015 Rev 0 & NOBP-OP-1015 Rev 0</p>		<p>Reference Attached: NOP-OP-1015 p 34 & NOBP-OP-1015 pp 111-112</p>			
<p>Proposed references to be provided to applicants during examination: NOP-OP-1015 & NOBP-OP-1015</p>					
<p>Learning Objective (As available): OT-EVENTREPORT_PY-01-A</p>					
Question Source:	<p>Bank # Modified Bank # New X</p>				
Question History:	<p>Previous NRC Exam</p>				
Question Cognitive Level:	<p>Memory or Fundamental Knowledge Comprehension or Analysis x</p>				
10 CFR Part 55 Content:	<p>55.41 55.43 b(4)</p>				
<p>Comments: SRO Justification - Radiation hazards that may arise during normal and abnormal situations, including maintenance activities and various contamination conditions.[10 CFR 55.43(b)(4)]</p> <ul style="list-style-type: none"> The SRO is responsible for making NRC Notifications. 					

Candidate Comments:

1. The question asks what NRC notification is required based on an unexpected radiological exposure exceeding 5 REM.
2. Per NOBP-OP-1015 revision 02 Attachment 19 O1.12 News Release or Notification to Other Government Agency, "The licensee shall notify the NRC as soon as practical and in all cases, within four hours of the occurrence of ... any event or situation, related to the health and safety of the public or onsite personnel, or protection of the environment, for which a news release is planned or notification to other government agencies has been or will be made."
3. The licensee is required to notify the Director of Ohio Department of Health in accordance with NOBP-OP-1015 Attachment 45 RP.1 Radiation Exposure or Radioactive Material Release – PY, the 4 hour requirement is valid.
4. Each licensee shall, within 24 hours of discovery of the event, report any event involving loss of control of licensed material possessed by the licensee that may have caused, or threatens to cause, any of the following conditions:
 - (1) An individual to receive, in a period of 24 hours—
 - (i) A total effective dose equivalent exceeding 5 rems

The 24 hour requirement is valid
5. Amend the answer key to list 'B' and 'C' as correct answers.

Candidate Justifications for answers:

- A. Incorrect answer –an exposure to >25 REM is immediately reportable.
- B. **Correct answer** – Per §50.72(b)(2)(xi) The licensee shall notify the NRC as soon as practical and in all cases, within four hours of the occurrence of ... any event or situation, related to the health and safety of the public or onsite personnel, or protection of the environment, for which a news release is planned or notification to other government agencies has been or will be made. Such an event may include an onsite fatality or inadvertent release of radioactively contaminated materials.

A 4 hour NRC notification is required due notification of the Ohio Department of Health per Ohio Administrative Code 3701:1-38-21
- C. **Correct answer** – Per 10CFR20.2202(b), Each licensee shall, within 24 hours of discovery of the event, report any event involving loss of control of licensed material possessed by the licensee that may have caused, or threatens to cause, any of the following conditions:
 - (1) An individual to receive, in a period of 24 hours
 - (i) A total effective dose equivalent exceeding 5 rems

D. Incorrect answer –this is a requirement for lost or stolen SNM.

Recommendation: Amend the Answer Key to list ‘Answer ‘B’ as a correct answer in addition to “Answer ‘C’.

References: NOBP-OP-1015 Event Notifications attachments 19, 34 and 45

Station Proposed Resolution:

Station agrees with the above candidate Comments, Justifications and Recommendation since we have provided “newly discovered technical information that supports a change in the answer key.”

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ATTACHMENT 45

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Notification RP.1:

Radiation Exposure or Radioactive Material Release - PY

Requirement: Ohio Administrative Code 3701:1-38-21

3701:1-38-21(B)

Notification of incidents shall be made as follows:

(1) ... each licensee or registrant shall immediately report each event involving a source of radiation possessed by the licensee or registrant that may have caused or threatens to cause any of the following conditions:

(a) An individual receiving:

- (i) A total effective dose equivalent of 0.25 sievert (twenty-five rem) or more;
- (ii) A lens dose equivalent of 0.75 sievert (seventy-five rem) or more; or
- (iii) A shallow dose equivalent to the skin or extremities or a total organ dose equivalent of 2.5 gray (two hundred fifty rad) or more; or

(b) The release of radioactive material, inside or outside of a restricted area that, had an individual been present for twenty-four hours, the individual could have received an intake five times the occupational ALI. This provision does not apply to locations where personnel are not normally stationed during routine operations, such as hot-cells or process enclosures.

(2) Each licensee or registrant shall report to the department, within twenty-four hours of discovery, each event involving loss of control of a licensed or registered source of radiation possessed by the licensee or registrant that may have caused, or threatens to cause, any of the following:

(a) An individual to receive, in a period of twenty-four hours:

- (i) A total effective dose equivalent exceeding 0.05 sievert (five rem);
- (ii) An lens dose equivalent exceeding 0.15 sievert (fifteen rem); or
- (iii) A shallow dose equivalent to the skin or extremities or a total organ dose equivalent exceeding 0.5 sievert (fifty rem); or

(b) The release of radioactive material, inside or outside of a restricted area that, had an individual been present for twenty-four hours, the individual could have received an intake in excess of one occupational ALI. This provision does not apply to locations where personnel are not normally stationed during routine operations, such as hot-cells or process enclosures.

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ATTACHMENT 45 - RP.1

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Time Limit Required Notification(s)

IMMEDIATE

Notify the Director, Ohio Department of Health at (800) 523-4439 immediately after any event caused by a registered source of radiation which caused an individual to receive dose in excess of the regulation or where radioactive material has been released which could cause an individual to receive dose in excess of the regulation. [3701:1-38-21(B)(1)]

24 HOURS

Notify the Director, Ohio Department of Health at (800) 523-4439 within 24 hours after any event caused by a registered source of radiation which caused and individual to receive dose in excess of the regulation or where radioactive material has been released which could cause an individual to receive dose in excess of the regulation. [3701:1-38-21(B)(2)]

Discussion:

- None

Related Notification Events:

- R1.1 Significant Radiation Exposure or Radioactive Material Release

References:

- None

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Attachment 19

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Notification O1.12:

News Release or Notification to Other Government Agency

Requirement: 10 CFR 50.72(b)(2)(xi)
10 CFR 72.75(b)(2)

§50.72(b)(2)(xi)

The licensee shall notify the NRC as soon as practical and in all cases, within four hours of the occurrence of ... any event or situation, related to the health and safety of the public or onsite personnel, or protection of the environment, for which a news release is planned or notification to other government agencies has been or will be made. Such an event may include an onsite fatality or inadvertent release of radioactively contaminated materials.

§72.75(b)(2)

Each licensee shall notify the NRC as soon as possible but not later than four hours after the discovery... Any event or situation related to the health and safety of the public or onsite personnel, or protection of the environment, for which a news release is planned or notification to other Government agencies has been or will be made. Such an event may include an onsite fatality or inadvertent release of radioactively contaminated materials. (ISFSI)

Time Limit Required Notification(s)

4 HOURS

Notify the NRC Operations Center via the ENS within four hours of the occurrence of any event or situation related to the health and safety of the public or onsite personnel, or protection of the environment, for which a news release is planned or notification to other government agencies has been or will be made. [10 CFR 50.72(b)(xi)]

4 HOURS

Notify the NRC Operations Center of any event or situation related to the health and safety of the public or onsite personnel, or protection of the environment, for which a news release is planned or notification to other government agencies has or will be made. [10 CFR 72.72(b)(2)] (ISFSI)

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AS REQUIRED

Notify the NRC Operations Center immediately during the course of an event of:

- (i) any further degradation in the level of safety of the plant or other worsening plant conditions
- (ii) any change from one Emergency Class to another, or
- (iii) a termination of the Emergency Class

[10 CFR 50.72(c)(1)]

AS REQUIRED

Notify the NRC Operations Center immediately during the course of the event of:

- (i) the results of ensuing evaluations or assessments of plant conditions
- (ii) the effectiveness of response or protective measures taken, and
- (iii) information related to plant behavior that is not understood.

[10 CFR 50.72(c)(2)]

Discussion:

The purpose of this criterion is to ensure that the NRC is made aware of issues that will cause heightened public or government concern related to the radiological health and safety of the public or onsite personnel or protection of the environment.

Licensees typically issue press releases or notify local, county, State, or Federal agencies on a wide range of topics that are of interest to the general public. The NRC Operations Center does not need to be made aware of every press release made by a licensee. The following clarifications are intended to set a reporting threshold that ensures necessary reporting while minimizing unnecessary reporting.

Examples of events likely to be reportable under this criterion include the following:

- release of radioactively contaminated tools or equipment to public areas
- unusual or abnormal releases of radioactive effluents
- onsite fatality

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Attachment 19 - O1.12

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Licensees generally do not have to report media and government interactions unless they are related to the radiological health and safety of the public or onsite personnel, or protection of the environment. For example, the NRC does not generally need to be informed under this criterion of the following:

- minor deviations from sewage or chlorine effluent limits
- minor nonradioactive, onsite chemical spills
- minor oil spills
- problems with plant stack or water tower aviation lighting
- peaceful demonstrations
- routine reports of effluent releases to other agencies
- releases of water from dams associated with the plant

For events or situations related to the health and safety of the public or onsite personnel, or to protection of the environment, licensees are required to notify the NRC within 4 hours of whichever of the following occurs first:

- a plan to report to either the press or another government agency is approved by an individual authorized to make the final decision
- a report has actually been made to the press or another government agency

Press Release

The NRC has an obligation to inform the public about issues within the NRC's purview that affect or raise a concern about the public health and safety. Thus, the NRC needs accurate, detailed information in a timely manner regarding such situations. The NRC should be aware of information that is available for the press or other government agencies.

However, the NRC need not be notified of every press release a licensee issues. The field of NRC interest is narrowed by the phrase "related to the health and safety of the public or onsite personnel, or protection of the environment" in order to exclude administrative matters or those events of no significance.

Routine radiation releases are not specifically reportable under this criterion. However, if a release receives media attention, the release is reportable under this criterion.

If possible, licensees should make an ENS notification before issuing a press release because news media representatives will usually contact the NRC public affairs officer shortly after its issuance for verification, explanation, or interpretation of the facts.

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Other Government Notifications

For reporting purposes, "other government agencies" refers to local, State, or other Federal agencies.

Notifying another Federal agency does not relieve the licensee of the requirement to report to the NRC.

Some plants provide a State incident response facility with alarm indication coincident with control room alarms; e.g., an effluent radiation monitor alarm. However, an alarm received at a State facility is in itself not a requirement for notifying the NRC under this criterion. A release is reportable under this criterion if a press release is planned or a specific report (beyond the automatic alarm indication) has been or will be made to a State agency.

NRC guidance on this Reportable Event is provided in NUREG-1022, Revision 3, Section 3.2.12.

Examples:

(1) Onsite Drowning Government Notifications and Press Release

A man fell into the discharge canal while fishing and failed to resurface. The licensee notified the local sheriff, State Police, U.S. Coast Guard, and State emergency agencies. Local news agencies were granted onsite access for coverage of the event. The licensee notified the NRC resident inspector.

An ENS notification is needed because of the fatality on site, the other government notifications made, and media involvement.

(2) Licensee Media Inquiries Regarding NRC Findings

As a result of a local newspaper article regarding the findings of an NRC regional inspection of the fire protection program under Appendix R, "Fire Protection Program for Nuclear Power Facilities Operating Prior to January 1, 1979," to 10 CFR Part 50, a licensee representative was interviewed on local television and radio stations. The licensee notified State officials and the NRC resident inspector.

The staff does not consider an ENS notification to be needed because the subject of the radio and TV interviews was an NRC inspection.

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(3) County Government Notification

The licensee informed county governments and other organizations of a spurious actuation of several emergency response sirens in a county (for about 5 minutes, according to county residents). The licensee also planned to issue a press release.

An ENS notification is needed because county agencies were notified about the inadvertent actuation of part of the public notification system. Such an event also would be reportable if the county informs the licensee of the problem because of the concern of members of the public for their radiological health and safety.

(4) State Notification of Unscheduled Radiation Release

The licensee reported to the State that it was going to release about 50 curies of gaseous radioactivity to the atmosphere while filling and venting the pressurizer. The licensee then revised its estimate of the release to 153 curies. However, because the licensee had not informed the State within 24 hours of making the release, it had to reclassify the release as "unscheduled" per its agreement with the State. The licensee notified the State and the NRC resident inspector.

An ENS notification is needed because of the State notification of an "unscheduled" release of gaseous radioactivity. The initial notification to the State of the scheduled release does not need an ENS notification because it is considered to be a routine notification.

(5) State Notification of Improper Dumping of Radioactive Waste

The licensee transported two secondary side filters to the city dump as nonradioactive waste but later determined that they were radioactive. The dump site was closed and the filters retrieved. The licensee notified the appropriate State agency and the NRC resident inspector.

An ENS notification is needed because of the notification to the State agency of the inadvertent release of radioactively contaminated material off site, which affects the radiological health and safety of the public and environment.

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ATTACHMENT 34

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Notification R1.1:

Significant Personnel Radiation Exposure or Radioactive Material Release

Requirement: 10 CFR 20.2202(a)
10 CFR 20.2202(b)

§20.2202(a)

... each licensee shall immediately report any event involving byproduct, source, or special nuclear material possessed by the licensee that may have caused or threatens to cause any of the following conditions--

- (1) An individual to receive--
 - (i) A total effective dose equivalent of 25 rems (0.25 Sv) or more; or
 - (ii) A lens dose equivalent of 75 rems (0.75 Sv) or more; or
 - (iii) A shallow-dose equivalent to the skin or extremities of 250 rads (2.5 Gy) or more; or
- (2) The release of radioactive material, inside or outside of a restricted area, so that, had an individual been present for 24 hours, the individual could have received an intake five times the annual limit on intake (the provisions of this paragraph do not apply to locations where personnel are not normally stationed during routine operations, such as hot-cells or process enclosures).

§20.2202(b)

...Each licensee shall, within 24 hours of discovery of the event, report any event involving loss of control of licensed material possessed by the licensee that may have caused, or threatens to cause, any of the following conditions:

- (1) An individual to receive, in a period of 24 hours--
 - (i) A total effective dose equivalent exceeding 5 rems (0.05 Sv); or
 - (ii) A lens dose equivalent exceeding 15 rems (0.15 Sv); or
 - (iii) A shallow-dose equivalent to the skin or extremities exceeding 50 rems (0.5 Sv); or
- (2) The release of radioactive material, inside or outside of a restricted area, so that, had an individual been present for 24 hours, the individual could have received an intake in excess of one occupational annual limit on intake (the provisions of this paragraph do not apply to locations where personnel are not normally stationed during routine operations, such as hot-cells or process enclosures).

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ATTACHMENT 34 - R1.1

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Time Limit Required Notification(s)

IMMEDIATE

Notify the NRC Operations Center immediately after any event caused by byproduct, source, or special nuclear material which caused an individual to receive dose in excess of regulation 10 CFR 20.2202(a) or where radioactive material has been released which could cause an individual to receive dose in excess of the regulation. [10 CFR 20.2202(a)]

24 HOURS

Notify the NRC Operations Center within 24 hours after any event caused by byproduct, source, or special nuclear material which caused an individual to receive dose in excess of regulation 10 CFR 20.2202(b) or where radioactive material has been released which could cause an individual to receive dose in excess of the regulation. [10 CFR 20.2202(b)]

Discussion:

- Reports to individual states are required per Notifications RD.1, RP.1 and RB.1.
- "Byproduct material" means any radioactive material (except special nuclear material) yielded in, or made radioactive by, exposure to the radiation incident to the process of producing or utilizing special nuclear material. The byproduct materials most commonly found at the stations consist of small, sealed sources used to calibrate radiation detection instruments. Spent fuel is not considered "byproduct material" because the byproduct materials it contains are not separated for use and because safeguards requirements on the special nuclear materials it contains are more restrictive than controls on its byproduct materials contents.
- "Source material" means 1) uranium or thorium or any combination thereof, in any physical or chemical form, or 2) ores that contain by weight, one-twentieth of 1 percent (0.05%), or more, of uranium, thorium, or any combination of uranium or thorium. Source material does not include special nuclear material. Source material is not present in the stations.
- "Special nuclear material" (SNM) means plutonium and enriched uranium. New fuel bundles are considered SNM when received at the stations because the fuel rods contain uranium enriched in the U-235 isotope. Spent fuel bundles are considered SNM because of residual U-235 and plutonium created during operation. The Commission's definition of SNM excludes source material.

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- "Total Effective Dose Equivalent" (TEDE) means the sum of the effective dose equivalent (for external exposures) and the committed effective dose equivalent (for internal exposures).
- "Shallow-dose equivalent" which applies to the external exposure of the skin of the whole body or the skin of an extremity, is taken as the dose equivalent at a tissue depth of 0.007 centimeter (7 mg/cm²).
- "Lens dose equivalent" (LDE) applies to the external exposure of the lens of the eye and is taken as the dose equivalent at a tissue depth of 0.3 centimeter (300 mg/cm²).
- "Deep-dose equivalent" which applies to external whole-body exposure, is the dose equivalent at a tissue depth of 1 cm (1000 mg/cm²).
- "Committed effective dose equivalent" is the sum of the products of the weighting factors applicable to each of the body organs or tissues that are irradiated and the committed dose equivalent to these organs or tissues.
- "Committed dose equivalent" *means the dose equivalent to organs or tissues of reference that will be received from an intake of radioactive material by an individual during the 50-year period following the intake.*
- *Restricted area means an area, access to which is limited by the licensee for the purpose of protecting individuals against undue risks from exposure to radiation and radioactive materials. Restricted area does not include areas used as residential quarters, but separate rooms in a residential building may be set apart as a restricted area.*

Related Notification Events:

- RB.1 Over Exposure from Radiation Producing Machine - BV
- RD.1 Radiation Exposure or Radioactive Material Release - DB
- RP.1 Radiation Exposure or Radioactive Material Release - PY

References:

- None

Perry License Class 1-LOT-15 NRC Exam Seating Chart
February 19, 2015

SRO-I
Jeremy Johnson

RO
Paul Carmen

SRO-I
Kevin Baird

SRO-I
Alexandra Zelaski

RO
Kevin Marsh

SRO-U
Joe Evans

SRO-I
Nicholas Bishop

RO
Terry Ginn

SRO-I
James Kramer

SRO-I
Jacob Perkins

RO
David Reily

SRO-I
John Nakel

SRO-I
Eric Blood

Proctor's Table

Perry License Class 1-LOT-15 NRC 2015 Exam - Questions from candidates
2/19/2015

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	Q#	Candidate	The candidate asked.	The proctor answered.
1	RO-11	Evans	What is the condition of the OPRM's (operable or inoperable)?	All equipment is in expected condition for this power level.
2	SRO-09	Zelaski	Is only E12-f008 affected by the failed relay?	Cannot give any additional information.
3	RO-47	Carmen	Are shorting links installed?	Read Appendix E paragraph B.7 to candidate.
4	SRO-05	Baird / Perkins	Is news release under O1.12 considered an event of public interest or is event of public interest only for O1.7?	Not an event of public interest.
5	RO-59	Evans	Candidate knows ONI-C11 is entered, but for losing RGDS & stab valves. Possible answer states 'lose RCIS' which is entire system. Is RC&IS	Only equipment powered from V-1-A is affected.
6	RO-25	Marsh	Is Item #75 from TS Rounds included in References?	You have all the references provided.
7	RO-70	Baird	Asked if ECC overridden OFF was referring to just the pump switch or going to secured status.	Read Appendix E paragraph B.7 to candidate.

Perry License Class 1-LOT-15 NRC 2015 Exam - Questions from candidates
2/19/2015

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	Q#	Candidate	The candidate asked.	The proctor answered.
8	RO-63	Carmen	Valve positions – is it on a loss of off-site power or on power restoration following a loss of off-site power?	Either case will be applicable.
9	RO-66	Carmen	Is the outer seal leakage routed to a sump or is it being blown out of the seal?	No additional information is required.
10	SRO-18	Evans	Are ARI references needed?	No additional references needed.

1. Pre-Examination

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2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 2-2-15 - 2-13-15. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1.	<u>LS TORRES</u>	<u>EXAM TEAM LEAD / EXAM AUTHORITY</u>	<u>[Signature]</u>	<u>3/7/14</u>	<u>[Signature]</u>	<u>2/20/15</u>	
2.	<u>Rich Brooks</u>	<u>Fleet Exam LEAD</u>	<u>[Signature]</u>	<u>3/25/14</u>	<u>Matthew Rich Brooks</u>	<u>2/20/15</u>	(1)
3.	<u>Tom GAYDOSIK</u>	<u>FLEET EXAM TEAM</u>	<u>[Signature]</u>	<u>3/25/14</u>	<u>Tom Gaydosik</u>	<u>2/26/15</u>	
4.	<u>Michael Gurney</u>	<u>Procedure Writer</u>	<u>[Signature]</u>	<u>5/13/14</u>	<u>[Signature]</u>	<u>2/23/15</u>	
5.	<u>Stephen J. Koster</u>	<u>Technical Reviewer</u>	<u>[Signature]</u>	<u>6/13/14</u>	<u>[Signature]</u>	<u>2/24/15</u>	
6.	<u>Cynthia L Mikleicic</u>	<u>Simulator Software Eng.</u>	<u>[Signature]</u>	<u>6/13/14</u>	<u>Cynthia Mikleicic</u>	<u>2/23/15</u>	
7.	<u>Steve RHODOS</u>	<u>Fleet Exam Team</u>	<u>[Signature]</u>	<u>6/24/14</u>	<u>[Signature]</u>	<u>2/23/15</u>	
8.	<u>DALE RICHMOND</u>	<u>SIMULATOR LEAD</u>	<u>[Signature]</u>	<u>7/1/14</u>	<u>[Signature]</u>	<u>2/20/15</u>	
9.	<u>David W O'Donnell</u>	<u>Facility Rev</u>	<u>[Signature]</u>	<u>7-18-14</u>	<u>[Signature]</u>	<u>2-20-15</u>	
10.	<u>Scott L Davis</u>	<u>Fleet Exam Team</u>	<u>[Signature]</u>	<u>8-4-14</u>	<u>[Signature]</u>	<u>2-23-15</u>	
11.	<u>Michael Doty</u>	<u>Shift Manager / Validation</u>	<u>[Signature]</u>	<u>8/4/14</u>	<u>[Signature]</u>	<u>2-23-15</u>	
12.	<u>Anthony Weston</u>	<u>REACTOR OPERATOR / VALIDATION</u>	<u>[Signature]</u>	<u>8/4/14</u>	<u>[Signature]</u>	<u>2/23/15</u>	
13.	<u>James R Cross</u>	<u>REACTOR OPERATOR / Validation</u>	<u>[Signature]</u>	<u>8/4/14</u>	<u>[Signature]</u>	<u>2/23/15</u>	
14.	<u>Doug SHORTER</u>	<u>Shift Manager</u>	<u>[Signature]</u>	<u>8/4/14</u>	<u>[Signature]</u>	<u>2/23/15</u>	
15.	<u>James A. Gerber</u>	<u>Sim Support</u>	<u>[Signature]</u>	<u>8/7/14</u>	<u>[Signature]</u>	<u>4/20/15</u>	

NOTES:

① Per TELECON on 2/20/15

1. Pre-Examination

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2. Post-Examination

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	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1.	Richard J. O'Connor	Shift Manager / NRO Supervisor	<i>[Signature]</i>	3/18/14	<i>[Signature]</i>	2/23/15	
2.	Shaun Kozlowski	Reactor Operator	<i>[Signature]</i>	8-18-14	<i>[Signature]</i>	2-23-15	
3.	Adam Vaughn	SRO / Shift Engineer	<i>[Signature]</i>	8-18-14	<i>[Signature]</i>	2-27-15	
4.	Darin Smith	SRO	<i>[Signature]</i>	8-18-14	<i>[Signature]</i>	2-27-15	
5.	BUD CONNOLLY	COMPUTER ENGINEER	<i>[Signature]</i>	8/21/14	<i>[Signature]</i>	2/23/15	
6.	DAVID WENGER	SRO	<i>[Signature]</i>	10/13/14	<i>[Signature]</i>	2/23/15	
7.	Ralph Chiswell III	R.O.	<i>[Signature]</i>	10/13/14	<i>[Signature]</i>	2/24/15	
8.	Michael Brockmann	RO	<i>[Signature]</i>	10-13-14	<i>[Signature]</i>	2-20-15	
9.	David Dossing	SRO	<i>[Signature]</i>	10/12/14	<i>[Signature]</i>	2/24/15	
10.	FREDERICK W. SMITH	Exam Developer	<i>[Signature]</i>	12/15/14	<i>[Signature]</i>	2/23/15	
11.	CARLOS CHAVEZ	INSTRUCTOR	<i>[Signature]</i>	1/12/15	<i>[Signature]</i>	2/23/15	
12.	CURTIS BRAY JR	SRO	<i>[Signature]</i>	1/13/15	<i>[Signature]</i>	2/23/15	
13.	STATEN BARNES	SRO	<i>[Signature]</i>	1/13/15	<i>[Signature]</i>	2/23/15	
14.	JIM CASE	SRO	<i>[Signature]</i>	1/13/15	<i>[Signature]</i>	2/23/15	
15.	JAMES E AGNEW	INSTRUCTOR	<i>[Signature]</i>	2/2/15	<i>[Signature]</i>	2/20/15	

NOTES:

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 2/2/15 & 2/9/15 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 2/2/15 through 2/19/15 From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1.	Frances Kelly	ILO INSTRUCTOR	<i>F Kelly</i>	2/3/15	<i>F Kelly</i>	2/20/15	
2.	James Kelly	ILO SUPV	<i>J B Kelly</i>	2/3/15	<i>J B Kelly</i>	2/19/15	
3.	HENRY C. DEBORI	LOR INSTRUCTOR	<i>H C DeBor</i>	2/4/15	<i>H C DeBor</i>	2/25/15	
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ILO NRC Exam 2015 for Eric Blood JPM Exam

ES-201

Examination Security Agreement Form

ES-201-3

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 3/9/15 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

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	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1.	<u>Ray James</u>	<u>Exam Admin</u>	<u>[Signature]</u>	<u>2/9/15</u>	<u>[Signature]</u>	<u>3-14-15</u>	
2.	<u>David W O'Donnell</u>	<u>Facility Reviewer</u>	<u>[Signature]</u>	<u>2-9-15</u>	<u>[Signature]</u>	<u>3-11-15</u>	
3.	<u>FREDERICK W. SMITH</u>	<u>EXAM TEAM</u>	<u>[Signature]</u>	<u>2/9/15</u>	<u>[Signature]</u>	<u>3-12-15</u>	
4.	<u>Thomas A Gaydosik</u>	<u>EXAM TEAM</u>	<u>[Signature]</u>	<u>2/9/15</u>	<u>[Signature]</u>	<u>3-11-15</u>	
5.	<u>Cynthia L McKlacie</u>	<u>SIMULATOR SOFTWARE ENGINEER</u>	<u>Cynthia L McKlacie</u>	<u>2/17/15</u>	<u>Cynthia L McKlacie</u>	<u>3-11-15</u>	
6.	<u>Mike Brown</u>	<u>SRO INSTRUCTOR</u>	<u>[Signature]</u>	<u>2/19/15</u>	<u>[Signature]</u>	<u>3/11/15</u>	
7.	<u>James A. Gerber</u>	<u>SIM HARDWARE SPEC.</u>	<u>[Signature]</u>	<u>2/20/15</u>	<u>[Signature]</u>	<u>3/11/15</u>	
8.	<u>Stephen J. Koppers</u>	<u>Technical Reviewer</u>	<u>[Signature]</u>	<u>2/24/15</u>	<u>[Signature]</u>	<u>3/12/15</u>	
9.	<u>JAMES WAEDEL</u>	<u>RO</u>	<u>[Signature]</u>	<u>3/2/15</u>	<u>[Signature]</u>	<u>3/11/15</u>	
10.	<u>TOMMIE R</u>	<u>SHIFT MANAGER</u>	<u>[Signature]</u>	<u>3-2-15</u>	<u>[Signature]</u>	<u>3-12-15</u>	
11.	<u>DALE RICHMOND</u>	<u>SIM SUPPORT/INST</u>	<u>[Signature]</u>	<u>3/2/15</u>	<u>[Signature]</u>	<u>3/11/15</u>	
12.	<u>DANIEL HARTIGAN</u>	<u>SRO</u>	<u>[Signature]</u>	<u>3/5/15</u>	<u>[Signature]</u>	<u>3-11-15</u>	
13.	<u>Anthony McGowan</u>	<u>SRO</u>	<u>[Signature]</u>	<u>3-5-15</u>	<u>[Signature]</u>	<u>3-11-15</u>	
14.	<u>RONALD V. PRIEST</u>	<u>RP INSTRUCTOR</u>	<u>[Signature]</u>	<u>3-5-15</u>	<u>[Signature]</u>	<u>3-11-15</u>	
15.	<u>Simmy N CASE</u>	<u>SRO</u>	<u>[Signature]</u>	<u>3-9-15</u>	<u>[Signature]</u>	<u>3-12-15</u>	

NOTES: