



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
LISLE, ILLINOIS 60532-4352

October 31, 2017

MEMORANDUM TO: Mohammed Shuaibi, Director
Division of Reactor Safety
Region III

FROM: Robert Orlikowski, Chief */RA/*
Operations Branch
Division of Reactor Safety
Region III

SUBJECT: SUMMARY OF OCTOBER 3-4, 2017, PUBLIC MEETING –
REGION III 2017 OPERATOR LICENSING WORKSHOP

The U.S. Nuclear Regulatory Commission's (NRC's) Region III Operations Branch in cooperation with the Headquarters Division of Inspection and Regional Support, Operations Branch, organized and conducted a workshop at the Sheraton Hotel, Lisle, Illinois, on October 3-4, 2017. The workshop provided a venue for the sharing of information on writing operator licensing examinations and for the sharing of industry experience on a variety of topics. The workshop was a public meeting. The workshop promoted an open forum for discussion of issues.

The workshop topics were chosen by Robert Orlikowski, Chief, NRC Region III Operations Branch. The topics and presenters can be found in Enclosure 1, Workshop Agenda.

The workshop objectives were to:

- (1) Discuss and define expectations for Operator Licensing Fundamentals;
- (2) Share lessons learned by NRC and industry while preparing the license examination;
- (3) Discuss issues affecting the Operator Licensing Program activities with the licensees and industry;
- (4) Provide clarification on existing internal agency guidance relevant to Operator Licensing Examination and Inspection Programs;
- (5) Provide an open forum discussion concerning examination development and quality; and
- (6) Share information concerning changes to NUREG-1021, Operator Licensing Examination Standards, Revision 11.

The workshop was attended by 28 utility personnel, one presenter from Nuclear Reactor Regulation/Headquarters, and nine NRC employees from NRC Region III. Enclosure 2 is a list of the workshop attendees.

CONTACT: R. Orlikowski, DRS/OB
630-829-9834

On the first day of the workshop, Ms. Cynthia Pederson, Regional Administrator, NRC Region III, welcomed the participants to the workshop and provided opening remarks concerning the importance of well-qualified operators in the nation's control rooms. Ms. Pederson's remarks were followed by presentations on the topics listed in the agenda (Enclosure 1). On the second day, Mr. Robert Orlikowski, Region III Operations Branch Chief, welcomed the participants to the second session of the workshop. His remarks were followed by the presentation topics noted in the agenda. The revised agenda also includes ADAMS Accession numbers for each of the presented topics. The comments and requests submitted by the attendees at the end of the workshop were reviewed and evaluated by the Region III Operations Branch. No requests of an urgent nature were found in the comments.

Enclosures:
As stated

Memo to Mohammed Shuaibi from Robert Orlikowski dated October 31, 2017

SUBJECT: SUMMARY OF OCTOBER 3-4, 2017, PUBLIC MEETING – REGION III 2017
OPERATOR LICENSING WORKSHOP

DISTRIBUTION:
Cynthia Pederson
Mohammed Shuaibi
Robert Orlikowski

ADAMS Accession Number: ML17304A028

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| OFFICE | RIII | | RIII | | RIII | | RIII | |
| NAME | ROrlikowski:jw | | | | | | | |
| DATE | 10/31/17 | | | | | | | |

OFFICIAL RECORD COPY

WORKSHOP AGENDA

Tuesday, October 3, 2017

| Time | Topic | Presenter / Facilitator |
|---------------|---|----------------------------|
| 07:00 – 08:00 | Preparation/Set Up; Networking & Registration | NRC Staff |
| 08:00 – 08:15 | Introduction Workshop Overview & Agenda / Logistics | R. Orlikowski |
| 08:15 – 09:00 | Welcome Address & Opening Remarks ML17290B183 | C. Pederson |
| 09:00 – 10:00 | Industry Operator Licensing Focus Group Update (State of the Industry; Midwest Nuclear Training Association Status, etc.) | G. Ludlum (Exelon) |
| 10:00 – 10:15 | Break | All |
| 10:15 – 10:50 | Exam Quality: Written Examination Fundamentals (From Outline to Question; SRO; Distracters; LOD) ML17290B193 | R. Baker |
| 10:50 – 11:25 | Exam Quality: Simulator Scenario Fundamentals (From Outline to Submittal; Design; Requirements, etc.) ML17290A938 | M. Bielby B. Bergeon |
| 11:25 – 12:00 | Exam Quality: Job Performance Measure Fundamentals (From Outline to Submittal; Admin Topics; Alternate Path, etc.) ML17290A420 | J. Seymour |
| 12:00 – 13:00 | LUNCH | All |
| 13:00 – 14:00 | NUREG 1021 Revision 11: Updates to Written Exams ML17290B166 | C. Cowdrey |
| 14:00 – 15:00 | NUREG 1021 Revision 11: Updates to Operating Exams ML17290A871 | C. Cowdrey |
| 15:00 – 15:15 | Break | All |
| 15:15 – 15:45 | Open Forum: Various Topics of Interest (Panel Discussion; Programmatic Q&As) | NRC Staff |
| 15:45 – 16:00 | Wrap Up First Day Workshop (Public Q&As) | All |
| 16:00 | Close First Day Workshop | |

WORKSHOP AGENDA

Wednesday October 4, 2017

| Time | Topic | Presenter / Facilitator |
|---------------|---|----------------------------|
| 07:45 – 08:00 | Open Discussions (Recap of Previous Day & Today's Agenda Review) | R. Orlikowski |
| 08:00 – 09:00 | NUREG 1021 Revision 11: Updates to Generic Fundamentals Exam and Administrative ML17290A132 | R. Orlikowski |
| 09:00 – 10:00 | NUREG 1021 Revision 11: Updates to Technical Specification Grading ML17290B139 | C. Zoia |
| 10:00 – 10:15 | Break | All |
| 10:15 – 11:15 | Observations from First Exam administered under NUREG 1021 Revision 11: Dresden Generating Station ML17290A349 | C. Zoia |
| 11:15 – 12:00 | Requalification Issues & Perspectives (Recent Operational Events; Training; Medical Issues; Exam Quality, etc.) ML17290A396 | D. Reeser |
| 12:00 – 13:00 | LUNCH | All |
| 13:00 – 13:30 | NRC Administrative Issues & Perspectives (Application & License Correspondence Submittals; Waivers, etc.) ML17290A057 | C. Schmidt |
| 13:30 – 14:30 | Recent Regulatory Operational Experiences: NRC & Licensee (Past/Current Issues and Feedback; Medical Issues, etc.) ML17290A916 | R. Orlikowski |
| 14:30 – 14:45 | Break | All |
| 14:45 – 15:00 | Scheduling Process for Examinations ML17290A137 | K. Walton C. Zoia |
| 15:00 – 15:45 | Open Forum: Various Topics of Interest (Panel Discussion; Programmatic Q&As) | NRC Staff |
| 15:45 – 16:00 | Wrap-up Second Day Workshop <ul style="list-style-type: none"> • Public Q&As • Critique Forms | NRC Staff |
| 16:00 | End Workshop (Networking, Q&As) | NRC Staff |

2015 Operator Licensing Workshop NRC Region III

| October 3-4, 2017 2017 OL WORKSHOP ATTENDEES | |
|---|----------------------|
| <u>NAME</u> | <u>SITE/LICENSEE</u> |
| Chris Cowdrey, Senior Reactor Engineer | NRR/DIRS/IOLB |
| Fred Collins, Exam Developer | Xcel Energy |
| Jeff Hinge, Exam Developer | NextEra Energy |
| Cindy Pederson, Regional Administrator | Region III |
| Bob Orlikowski, Chief, OB | Region III |
| Mike Bielby, Ops Branch | Region III |
| Colleen Schmidt, Ops Branch | Region III |
| Randy Baker, Ops Branch | Region III |
| Jesse Seymour, Ops Branch | Region III |
| Dave Reeser, Ops Branch | Region III |
| Keith Walton, Ops Branch | Region III |
| Chuck Zoia, Ops Branch | Region III |
| Greg Roach, Senior Resident Inspector | Region III |
| Michael Petersen, Fleet OTM | Xcel Energy |
| Luke Vriezen, ILT Supervisor | FENOC |
| Ray Torres, Fleet Training Lead | FENOC |
| Mike Donigian, Program Supervisor | Fermi |
| Chris Kelley, Exam Lead | D.C. Cook |
| Jeff Nelson, ILT Exam Author | Exelon |
| Gregg Ludlam, Corporate Training | Exelon |
| Derek Siuda, Exam Author | Dresden |
| Lydia Dworakowski, Braidwood RA | Exelon |
| Lisa Toribio, Exam Developer | PG&E |
| Brian Kempen, Braidwood OTM | Exelon |

October 3-4, 2017 **2017 OL WORKSHOP ATTENDEES**

| <u>NAME</u> | <u>SITE/LICENSEE</u> |
|--|----------------------|
| Chris Burkhart, OTPS | Exelon |
| William Kiser, Exam Writer | CPS |
| Tony Jennings, Exam Author | CPS |
| Eric Hipp, Exam Author | Exelon |
| Lisa Moreno, Exam Author | Exelon |
| Frank Korfias, Ops Training Support | Entergy |
| (John) Ted Conrad, Ops Training Supervisor exams | Entergy |
| Todd Valley, Instructor | AEP/D.C. Cook |
| Dan Moveh, OTPS | Exelon |
| Eric Murray, Ops Training Supervisor | Duane Arnold |
| Mark Kultgen, Exam Author | Exelon/Byron |
| Scott Anderson, Exam Author | Duane Arnold |
| Chase Grest, Initial Lead | Xcel Energy |
| Nate Kenderdine, Instructor | Exelon |
| Zach Elbert, Instructor | Excel |