

07-67-91

NINE MILE POINT NUCLEAR STATION

UNIT II OPERATIONS

LICENSED OPERATOR REQUALIFICATION TRAINING

CYCLE C16 90/91

Prepared By: Unit 2 Training Department

DATE AND INITIALS

APPROVALS

SIGNATURES

REVISION 0

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Requal - Unit 2  
J. G. Reid

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8/15/91

Senior Training Supervisor  
Nuclear - Unit 2  
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8/15/91

General Supervisor  
Operations Unit 2  
J. Helker

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JBH

Summary of Pages

Revision: 0 (Effective Date: 8/15/91)

Number of Pages: 3

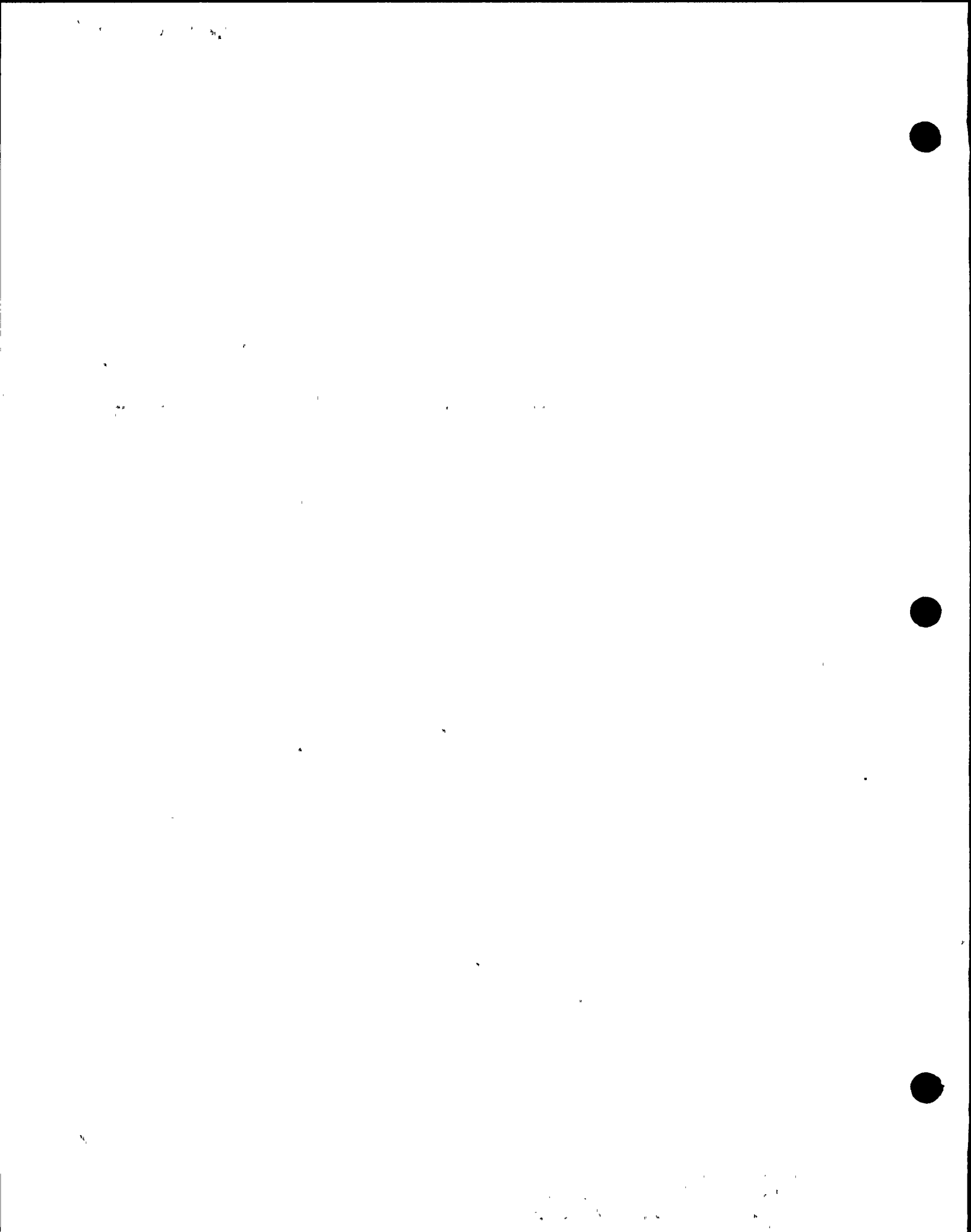
Date

Pages

August 15, 1991

**MASTER  
NIAGARA MOHAWK POWER CORPORATION  
CONTROL  
DOCUMENT**

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LICENSED OPERATOR REQUALIFICATION TRAINING  
CYCLE C16 - 90/91

I. TRAINING DESCRIPTION

- A. Title: Licensed Operator Requalification Program Cycle 16 90/91  
Schedule (August 26, 1991 - October 4, 1991).
- B. Purpose:
1. To provide training to the License Holder on the following:
    - a. Systems - Automatic Depressurization System, Reactor Water Cleanup System, Low Pressure Core Spray and Digital Radiation Monitoring System.
    - b. Procedures - EPP 20, EOP's Primary Containment Control, significant industry events and procedural changes since last requal cycle.
    - c. Simulator - Training to include but not limited to dynamic scenarios, labs and required manipulations.
    - d. Tasks - Emergency and in plant JPM's.
    - e. Admin/Misc. - AP-6.5, Control of Testing (SOER 87-01)
- C. Estimated Duration: Approximately 37 Hours

II. REQUIREMENTS/PREREQUISITES

- A. Requirements for Class:
1. AP-9.0, Administration of Training
  2. NTP-11, Licensed Operator Requalification Training
  3. NTP-18, STA and SRO Certification Programs
  4. 10CFR55.59, Code of Federal Regulations (Energy) - Requalification
  5. Attendance is required for all training sessions for the purpose of maintaining an NRC License unless annotated by an asterisk (\*) on Attachment 1.
  6. SRO Certified Instructors are required to attend all classroom training sessions with the exception of EPP-20 and AP-6.5 and those annotated with an asterisk (\*) on Attachment 1.
  7. STA's are required to attend all training sessions with shift personnel during their designated requal week as indicated on Attachment 1.

Cycle C16 90/91 Schedule -1 August 1991



B. Prerequisites for Class:

1. Instructor:

- a. Classroom Instructors shall be qualified in accordance with NTP-16.
- b. Simulator Instructors shall be qualified in accordance with NTP-16.1.

2. Trainee:

- a. As directed by NTP-11, Licensed Operator Requalification Training.
- b. As directed by NTP-18, STA and SRO Certification Programs.

III. TRAINING MATERIALS

A. The following lesson plans/training materials will be required.

- |     |                     |  |
|-----|---------------------|--|
| 1.  | O2-REQ-001-218-2-01 | Rev. 4, Automatic Depressurization System      |
| 2.  | O2-REQ-001-204-2-00 | Rev. 0, Reactor Water Cleanup System           |
| 3.  | O2-REQ-001-209-2-00 | Rev. 4, Low Pressure Core Spray System         |
| 4.  | O2-REQ-001-272-2-01 | Rev. 0, Digital Radiation Monitoring System    |
| 5.  | O2-REQ-007-353-2-16 | Rev. 0, Significant Event Review               |
| 6.  | O2-REQ-006-341-2-16 | Rev. 0, Procedure Changes                      |
| 7.  | O2-REQ-009-TRA-2-13 | Rev. 1, Training Scenario                      |
| 8.  | O2-REQ-009-TRA-2-18 | Rev. 1, Training Scenario                      |
| 9.  | O2-REQ-009-TRA-2-6  | Rev. 1, Training Scenario                      |
| 10. | O2-REQ-009-TRA-2-8  | Rev. 1, Training Scenario                      |
| 11. | O2-REQ-009-TRA-2-11 | Rev. 1, Training Scenario                      |
| 12. | O2-REQ-009-TRA-2-45 | Rev. 0, Training Scenario                      |
| 13. | O2-REQ-007-353-2-24 | Rev. 0, AP-6.5 Control of Testing (SOER 87-01) |



IV. EXAMS AND ANSWER KEYS

A. Examinations will be on permanent file with the dedicated OPS Clerk.

1. Classroom written Exam-O2-REQ-C16-EXM-2-01.

Note: Six different exams will be used under this Training ID #. Each exam will differ by greater than 25% from the preceding weeks exam.

2. Evaluated Scenarios

a. O2-REQ-009-IDY-2-15, Rev. 3, ATWAS/Fuel Failure

b. O2-REQ-009-IDY-2-22, Rev. 0, Loss of Stator Water Cooling/Small Leak in Drywell

3. Job Performance Measures

a. O2-REQ-SJE-C16-2-00, Various

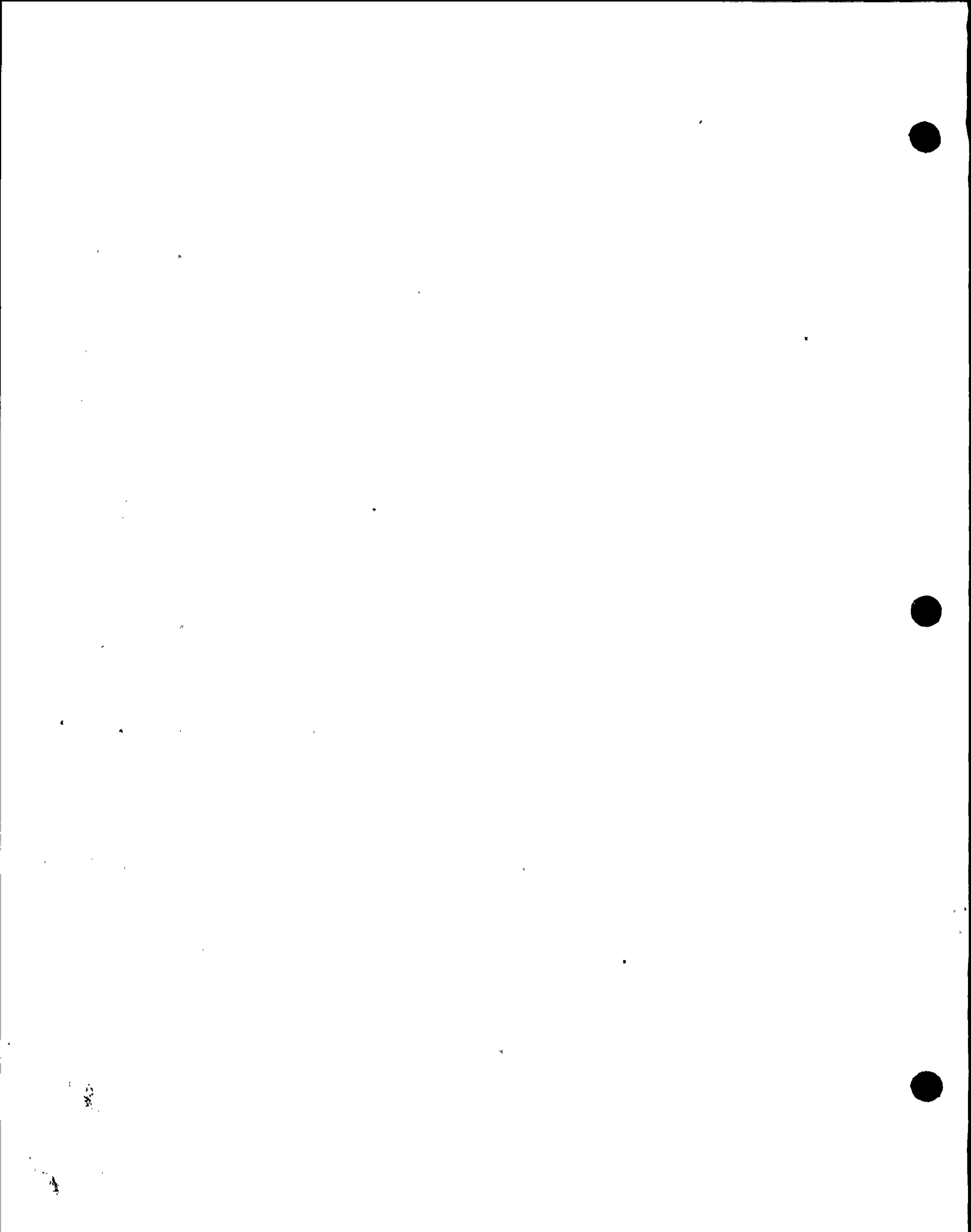
b. O2-REQ-PJE-C16-2-00, Various

4. Simulator Static Exam - O2-REQ-009-IST

V. LESSON OVERVIEW

A. As set forth in Attachment 1 - Unit 2 License Requal Training Schedule.

B. Instructors Responsible (Lead) for Training Sessions are designated by initials on Attachment 1.



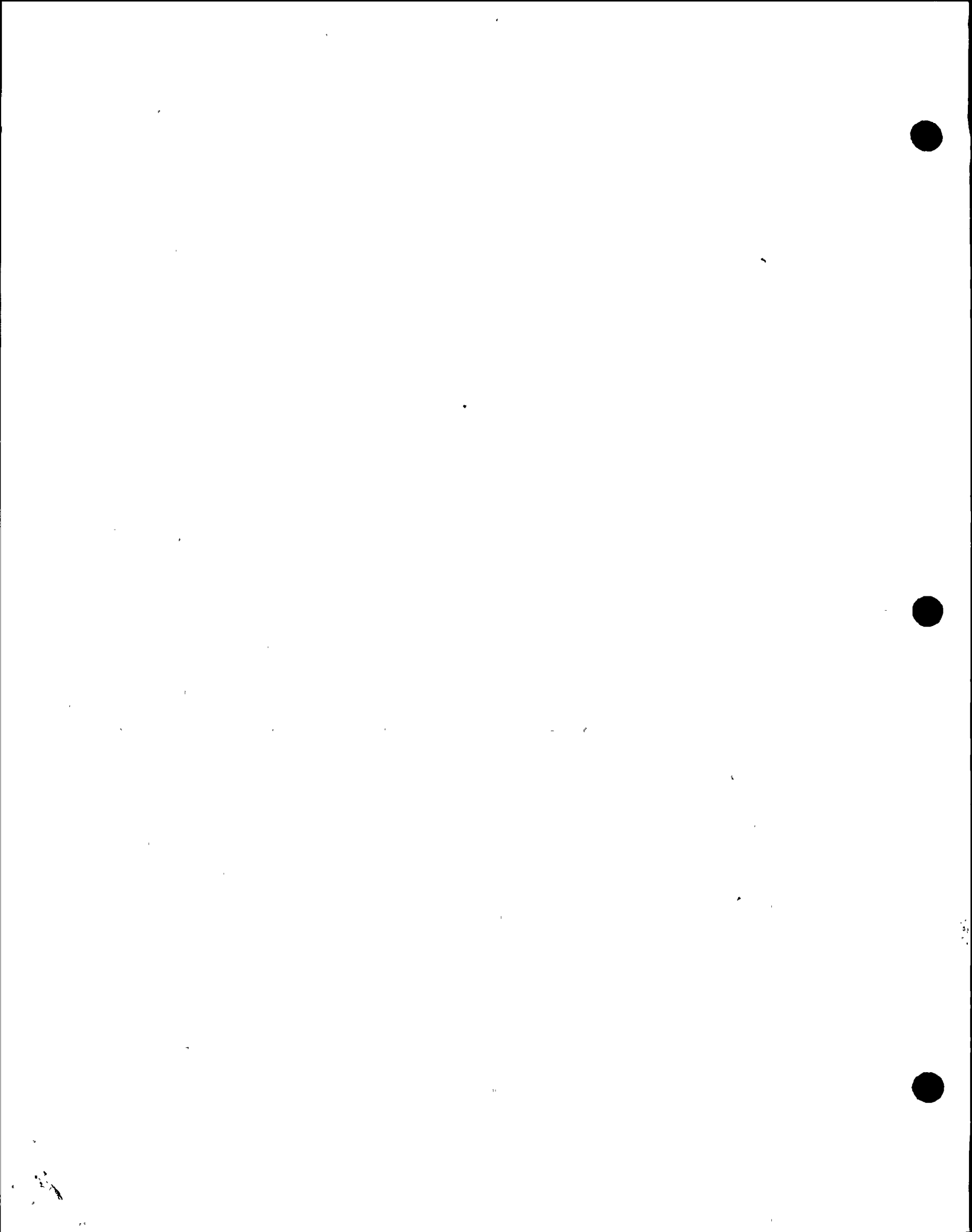


Attachment 1  
**Unit 2 License Requal Training Schedule**  
**A Shift**

Monday 8/26	Tuesday 8/27	Wednesday 8/28	Thursday 8/29	Friday 8/30
<b>07:30</b> Simulator Training/Lab EOP's DP  <b>10:30</b> Emergency JPM's (*)  RB BH	<b>07:30</b> Simulator Training  lead:EP console:JT	<b>07:30</b> Simulator Training  lead:BH console:EP	<b>07:30</b> Simulator Evals & Assessments  lead:DP floor:JT console:MB	<b>07:30</b> Sig. Event Review RB <b>08:45</b> Written Exam MB <b>10:30</b> Static Exam MB
<b>L U N C H</b>				
<b>12:00</b> DRM System MB  <b>14:00</b> Low Pressure Core Spray System JT	<b>12:00</b> Reactor Water Cleanup System BH  <b>14:00</b> Automatic Depressurization System MB	<b>12:00</b> Procedure Changes DP  <b>13:00</b> In-Plant JPM's (*) JT/MB	<b>12:00</b> EPP 20 RB <b>13:30</b> AP 6.5, Control of Testing (SOER 87-01) EP	<b>12:00</b> Emergency JPM's/Makeup RB BH  <b>14:00</b> OPS Meeting (*)

**NOTES:**

1. All classroom lectures will be conducted in D1/D3.
2. Attendance is required for all training sessions for the purpose of maintaining an NRC license unless annotated by an asterisk (\*)
3. STA's will attend all training sessions required for license holders.



Attachment 1  
**Unit 2 License Requal Training Schedule**  
**Staff Shift 1**

Monday 8/26	Tuesday 8/27	Wednesday 8/28	Thursday 8/29	Friday 8/30
<b>07:30</b> DRM System  MB  <b>10:00</b> Low Pressure Core Spray System  JT	<b>07:30</b> Reactor Water Cleanup System  BH  <b>10:00</b> Automatic Depressurization System  MB	<b>07:30</b> Procedure Changes  DP <b>09:00</b> In-Plant JPM's (*)  JT/MB	<b>07:30</b> EPP 20  RB  <b>09:30</b> AP 6.5, Control of Testing (SOER 87-01)  EP	<b>07:30</b> Sig. Event Review  RB <b>08:45</b> Written Exam  MB  <b>10:30</b> Static Exam  MB
L U N C H				
<b>12:00</b> Simulator Training/Lab EOP's  DP  <b>14:00</b> Emergency JPM's (*)  RB BH	<b>12:00</b> Simulator Training  lead:EP console:JT	<b>12:00</b> Simulator Training  lead:BH console:EP	<b>12:00</b> Simulator Evals & Assessments  lead:DP floor:BH console:MB	<b>12:00</b> Emergency JPM's/Makeup  RB BH  <b>14:00</b> OPS Meeting (*)

**NOTES:**

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Attachment 1  
**Unit 2 License Requal Training Schedule**  
**D Shift**

Monday 9/02	Tuesday 9/03	Wednesday 9/04	Thursday 9/05	Friday 9/06
<b>H O L I</b>	<b>07:30</b> Simulator Training/Lab EOP's  <div style="text-align: right;">DP</div>	<b>07:30</b> Simulator Training  <div style="text-align: right;">lead: BH console: EP</div>	<b>07:30</b> Simulator Evals & Assessments  <div style="text-align: right;">lead: DP floor: JT console: MB</div>	<b>07:30</b> Sig. Event Review RB <b>08:45</b> EPP 20 RB  <b>10:00</b> AP 6.5, Control of Testing (SOER 87-01) EP
L U N C H				
<b>D A Y</b>	<b>12:00</b> DRM System  <div style="text-align: right;">MB</div> <b>14:00</b> Low Pressure Core Spray System  <div style="text-align: right;">JT</div>	<b>12:00</b> Simulator Training  <div style="text-align: right;">lead: DP console: MB</div> <b>15:00</b> Emergency JPM's (*)  <div style="text-align: right;">EP/BH</div>	<b>12:00</b> Reactor Water Cleanup System BH <b>14:00</b> Automatic Depressurization System MB <b>15:30</b> Procedure Changes DP	<b>12:00</b> Written Exam MB <b>14:00</b> Static Exam MB

**NOTES:**

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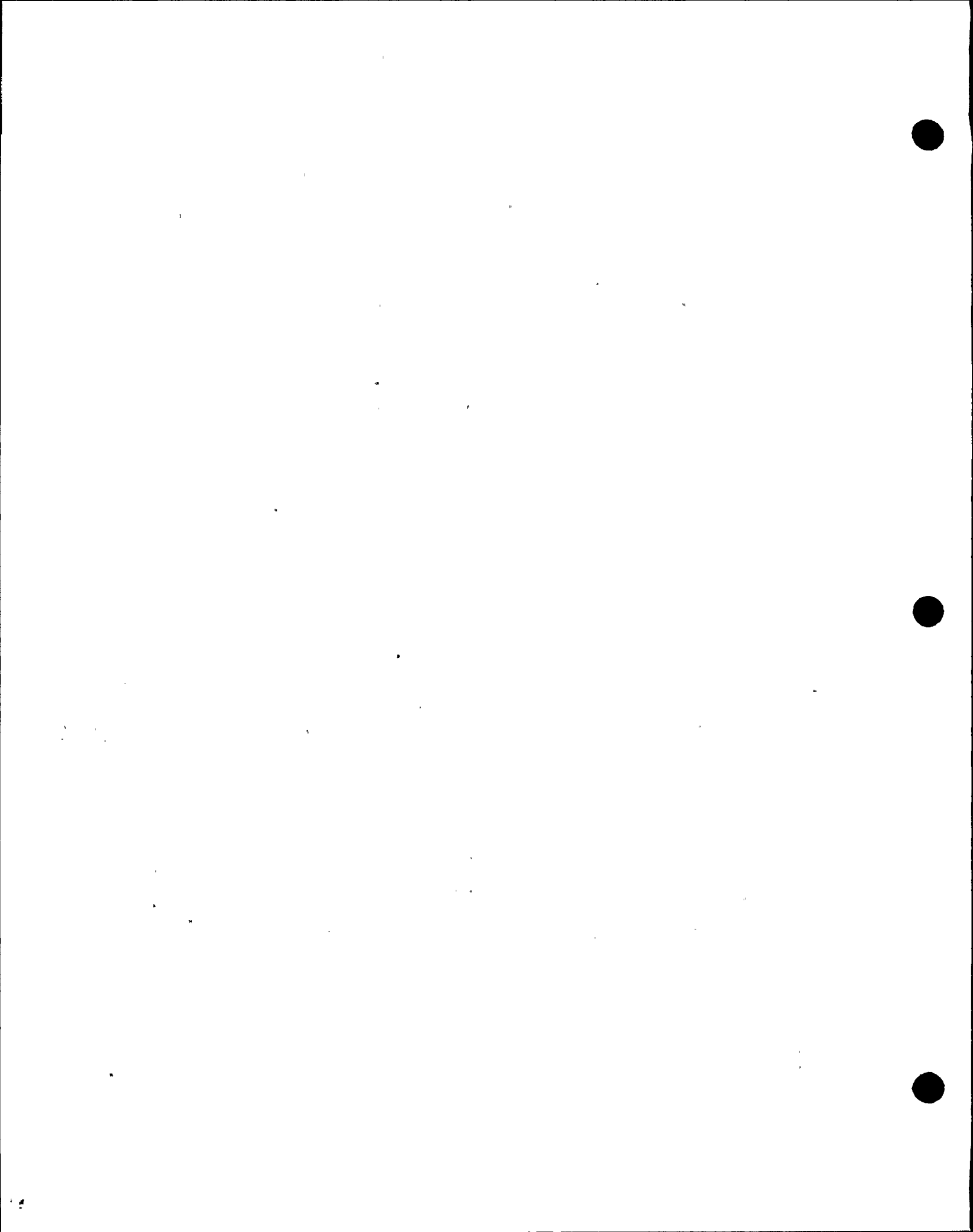
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Attachment 1  
**Unit 2 License Requal Training Schedule**  
**E Shift**

Monday 9/09	Tuesday 9/10	Wednesday 9/11	Thursday 9/12	Friday 9/13
<b>07:30</b> Simulator Training/Lab EOP's DP  <b>10:30</b> Emergency JPM's (*)  RB BH	<b>07:30</b> Simulator Training   lead:EP console:JT	<b>07:30</b> Simulator Training   lead:BH console:EP	<b>07:30</b> Simulator Evals & Assessments   lead:DP floor:JT console:MB	<b>07:30</b> Sig. Event Review RB <b>08:45</b> Written Exam MB  <b>10:30</b> Static Exam MB
<b>L U N C H</b>				
<b>12:00</b> DRM System MB  <b>14:00</b> Low Pressure Core Spray System JT	<b>12:00</b> Reactor Water Cleanup System BH  <b>14:00</b> Automatic Depressurization System MB	<b>12:00</b> Procedure Changes DP  <b>13:00</b> In-Plant JPM's (*) JT/MB	<b>12:00</b> EPP 20 RB <b>13:30</b> AP 6.5, Control of Testing (SOER 87-01)  EP	<b>12:00</b> Emergency JPM's/Makeup RB BH  <b>14:00</b> OPS Meeting (*)

**NOTES:**

- All classroom lectures will be conducted in D1/D3.
- Attendance is required for all training sessions for the purpose of maintaining an NRC license unless annotated by an asterisk (\*)
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Attachment 1  
**Unit 2 License Requal Training Schedule**  
**Staff Shift 2**

Monday 9/09	Tuesday 9/10	Wednesday 9/11	Thursday 9/12	Friday 9/13
<p><b>07:30</b> DRM System  MB</p> <p><b>10:00</b> Low Pressure Core Spray System  JT</p>	<p><b>07:30</b> Reactor Water Cleanup System  BH</p> <p><b>10:00</b> Automatic Depressurization System  MB</p>	<p><b>07:30</b> Procedure Changes  DP</p> <p><b>09:00</b> In-Plant JPM's (*)  JT/MB</p>	<p><b>07:30</b> EPP 20  RB</p> <p><b>09:30</b> AP 6.5, Control of Testing (SOER 87-01)  EP</p>	<p><b>07:30</b> Sig. Event Review  RB</p> <p><b>08:45</b> Written Exam  MB</p> <p><b>10:30</b> Static Exam  MB</p>
L U N C H				
<p><b>12:00</b> Simulator Training/Lab EOP's  DP</p> <p><b>14:00</b> Emergency JPM's (*)  RB BH</p>	<p><b>12:00</b> Simulator Training  lead:EP console:DP</p>	<p><b>12:00</b> Simulator Training  lead:BH console:EP</p>	<p><b>12:00</b> Simulator Evals &amp; Assessments  lead:DP floor:JT console:MB</p>	<p><b>12:00</b> Emergency JPM's/Makeup  RB BH</p> <p><b>14:00</b> OPS Meeting (*)</p>

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Attachment 1

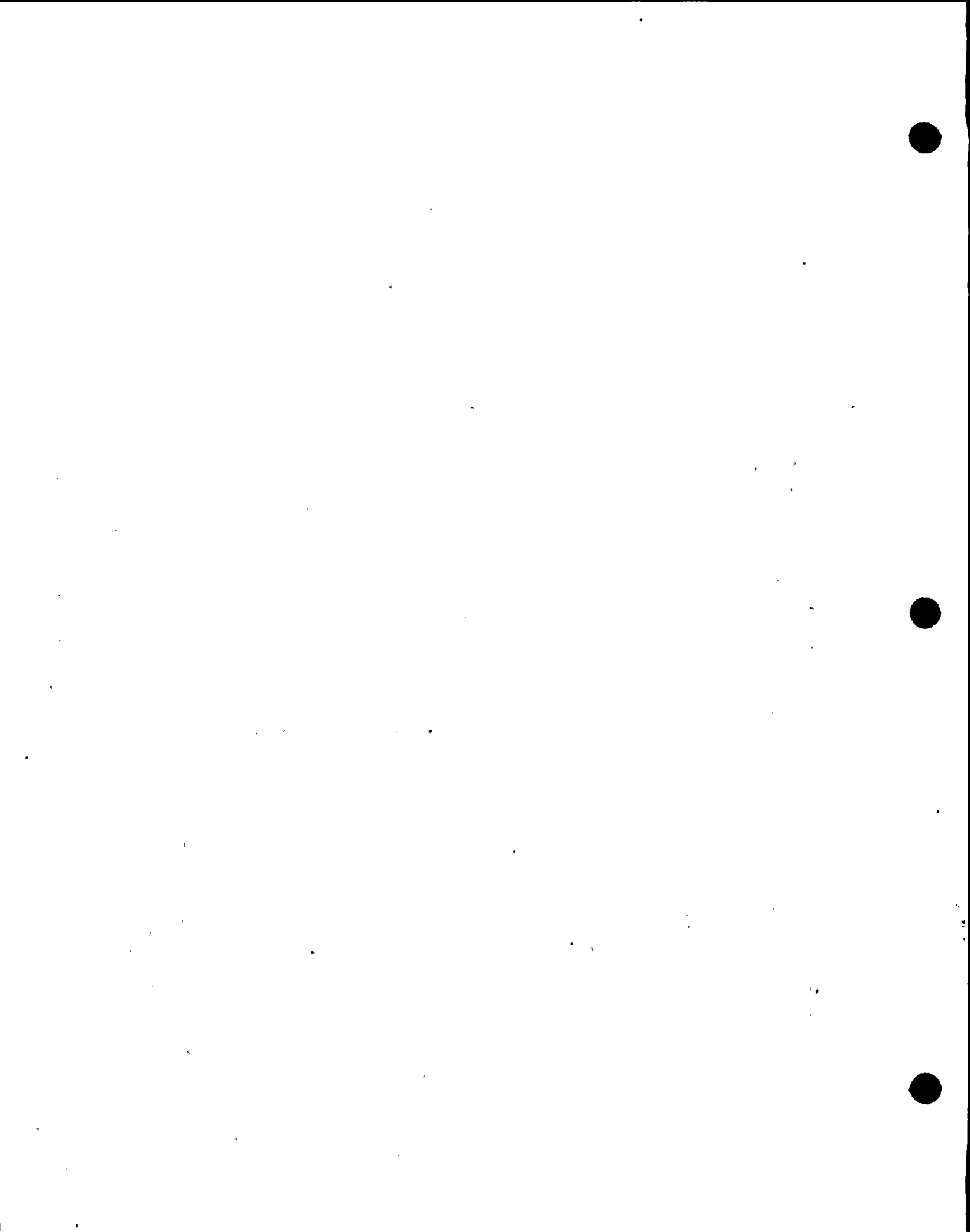
Unit 2 License Requal Training Schedule

F Shift

Monday 9/16	Tuesday 9/17	Wednesday 9/18	Thursday 9/18	Friday 9/19
<b>07:30</b> Simulator Training/Lab EOP's DP  <b>10:30</b> Emergency JPM's (*)  DP EP	<b>07:30</b> Simulator Training   lead:JT console:RB	<b>07:30</b> Simulator Training   lead:EP console:MB	<b>07:30</b> Simulator Evals & Assessments   lead:DP floor:JT console:BH	<b>07:30</b> Sig. Event Review RB <b>08:45</b> Written Exam MB  <b>10:30</b> Static Exam MB
L U N C H				
<b>12:00</b> DRM System  MB  <b>14:00</b> Low Pressure Core Spray System JT	<b>12:00</b> Reactor Water Cleanup System BH  <b>14:00</b> Automatic Depressurization System MB	<b>12:00</b> Procedure Changes DP  <b>13:00</b> In-Plant JPM's (*) RB/BH	<b>12:00</b> EPP 20 RB <b>13:30</b> AP 6.5, Control of Testing (SOER 87-01)  EP	<b>12:00</b> Emergency JPM's/Makeup DP EP  <b>14:00</b> OPS Meeting (*)

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Attachment 1  
**Unit 2 License Requal Training Schedule**  
**Staff Shift 3**

Monday 9/16	Tuesday 9/17	Wednesday 9/18	Thursday 9/19	Friday 9/20
<p><b>07:30</b> DRM System  MB</p> <p><b>10:00</b> Low Pressure Core Spray System  JT</p>	<p><b>07:30</b> Reactor Water Cleanup System  BH</p> <p><b>10:00</b> Automatic Depressurization System  MB</p>	<p><b>07:30</b> Procedure Changes  DP</p> <p><b>09:00</b> In-Plant JPM's (*)  RB/BH</p>	<p><b>07:30</b> EPP 20  RB</p> <p><b>09:30</b> AP 6.5, Control of Testing (SOER 87-01)  EP</p>	<p><b>07:30</b> Sig. Event Review  RB</p> <p><b>08:45</b> Written Exam  MB</p> <p><b>10:30</b> Static Exam  MB</p>
L U N C H				
<p><b>12:00</b> Simulator Training/Lab EOP's  DP</p> <p><b>14:00</b> Emergency JPM's (*)  DP EP</p>	<p><b>12:00</b> Simulator Training  lead:JT console:RB</p>	<p><b>12:00</b> Simulator Training  lead:EP console:MB</p>	<p><b>12:00</b> Simulator Evals &amp; Assessments  lead:DP floor:MB console:BH</p>	<p><b>12:00</b> Emergency JPM's/Makeup  DP EP</p> <p><b>14:00</b> OPS Meeting (*)</p>

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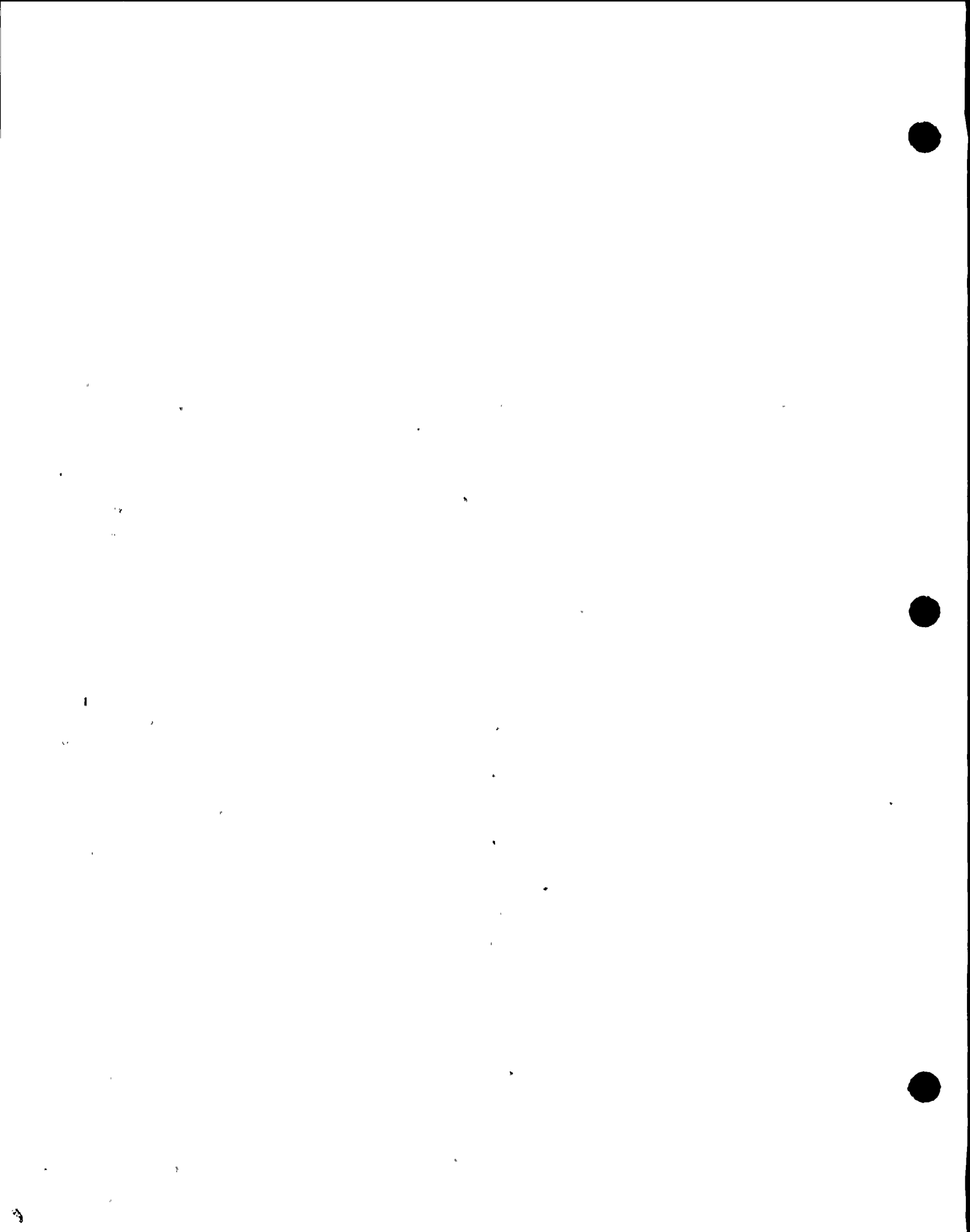
Attachment 1

Unit 2 License Requal Training Schedule  
C Shift

Monday 9/23	Tuesday 9/24	Wednesday 9/25	Thursday 9/26	Friday 9/27
<p>07:30 Simulator Training/Lab EOP's DP</p> <p>10:30 Emergency JPM's (*) RB BH</p>	<p>07:30 Simulator Training</p> <p>lead:RB console:DP</p>	<p>07:30 Simulator Training</p> <p>lead:EP console:BH</p>	<p>07:30 Simulator Evals &amp; Assessments</p> <p>lead:DP floor:JT console:MB</p>	<p>07:30 Sig. Event Review RB</p> <p>08:45 Written Exam MB</p> <p>10:30 Static Exam MB</p>
L U N C H				
<p>12:00 DRM System MB</p> <p>14:00 Low Pressure Core Spray System JT</p>	<p>12:00 Reactor Water Cleanup System BH</p> <p>14:00 Automatic Depressurization System MB</p>	<p>12:00 Procedure Changes DP</p> <p>13:00 In-Plant JPM's (*) JT/MB</p>	<p>12:00 EPP 20 RB</p> <p>13:30 AP 6.5, Control of Testing (SOER 87-01) EP</p>	<p>12:00 Emergency JPM's/Makeup RB BH</p> <p>14:00 OPS Meeting (*)</p>

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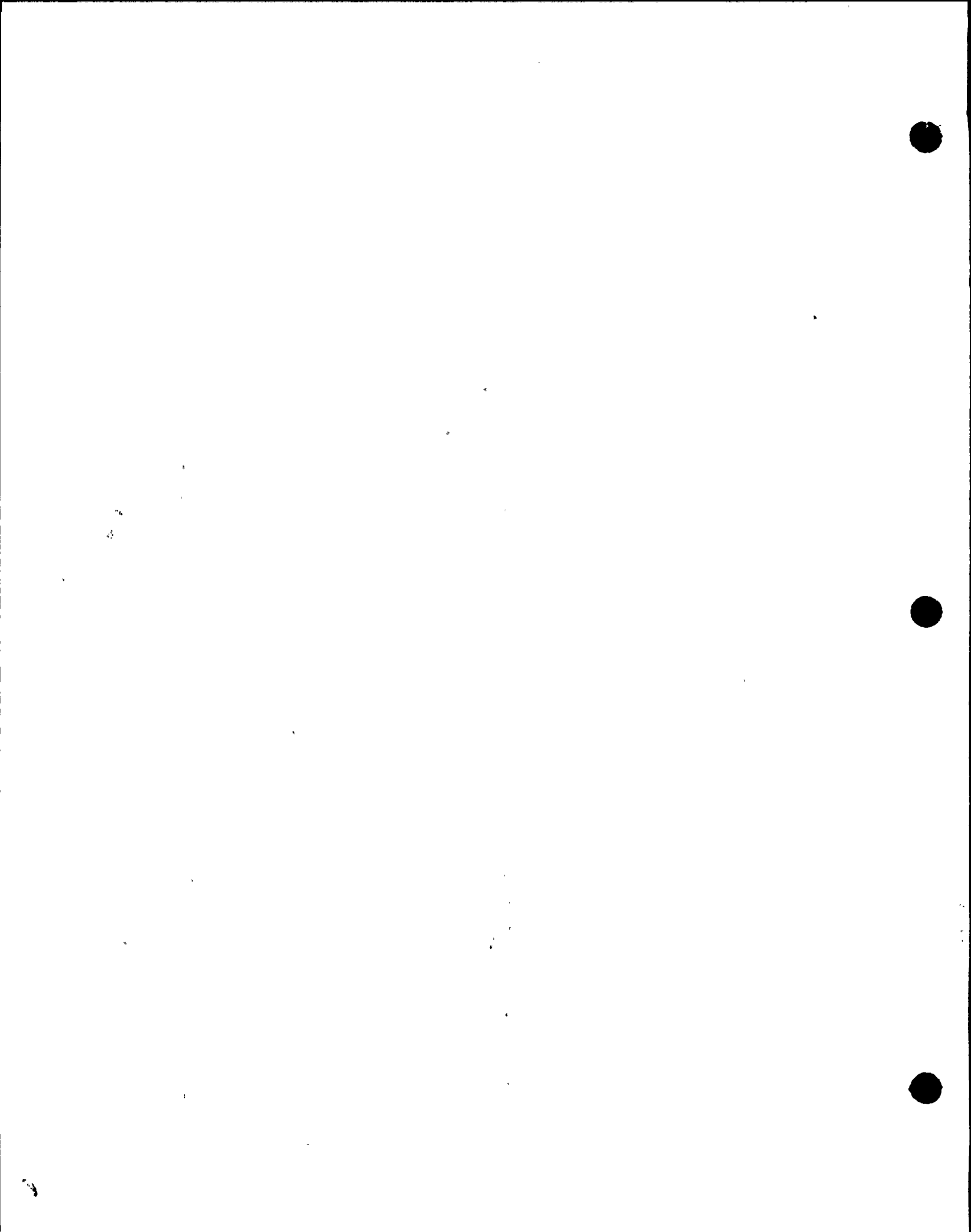


Attachment 1  
**Unit 2 License Requal Training Schedule**  
**Staff Shift 4**

Monday 9/23	Tuesday 9/24	Wednesday 9/25	Thursday 9/26	Friday 9/27
<p><b>07:30</b> DRM System  MB</p> <p><b>10:00</b> Low Pressure Core Spray System  JT</p>	<p><b>07:30</b> Reactor Water Cleanup System  BH</p> <p><b>10:00</b> Automatic Depressurization System  MB</p>	<p><b>07:30</b> Procedure Changes  DP</p> <p><b>09:00</b> In-Plant JPM's (*)  JT/MB</p>	<p><b>07:30</b> EPP 20  RB</p> <p><b>09:30</b> AP 6.5, Control of Testing (SOER 87-01)  EP</p>	<p><b>07:30</b> Sig. Event Review RB</p> <p><b>08:45</b> Written Exam  MB</p> <p><b>10:30</b> Static Exam  MB</p>
L U N C H				
<p><b>12:00</b> Simulator Training/Lab EOP's  DP</p> <p><b>14:00</b> Emergency JPM's (*)  RB BH</p>	<p><b>12:00</b> Simulator Training   lead:EP console:RB</p>	<p><b>12:00</b> Simulator Training   lead:BH console:EP</p>	<p><b>12:00</b> Simulator Evals &amp; Assessments   lead:JP floor:BH console:MB</p>	<p><b>12:00</b> Emergency JPM's/Makeup RB BH</p> <p><b>14:00</b> OPS Meeting (*)</p>

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Attachment 1

Unit 2 License Requal Training Schedule

B Shift

Monday 9/30	Tuesday 9/31	Wednesday 10/1	Thursday 10/2	Friday 10/3
<b>07:30</b> Simulator Training/Lab EOP's DP  <b>10:30</b> Emergency JPM's (*)  RB BH	<b>07:30</b> Simulator Training   lead:JT console:RB	<b>07:30</b> Simulator Training   lead:EP console:JT	<b>07:30</b> Simulator Evals & Assessments   lead:DP floor:MB console:BH	<b>07:30</b> Sig. Event Review RB <b>08:45</b> Written Exam MB  <b>10:30</b> Static Exam MB
L U N C H				
<b>12:00</b> DRM System  MB  <b>14:00</b> Low Pressure Core Spray System  JT	<b>12:00</b> Reactor Water Cleanup System BH  <b>14:00</b> Automatic Depressurization System MB	<b>12:00</b> Procedure Changes  DP  <b>13:00</b> In-Plant JPM's (*)  BH/RB	<b>12:00</b> EPP 20 RB  <b>13:30</b> AP 6.5, Control of Testing (SOER 87-01)  EP	<b>12:00</b> Emergency JPM's/Makeup RB BH  <b>14:00</b> OPS Meeting (*)

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