

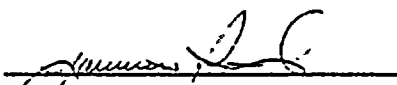
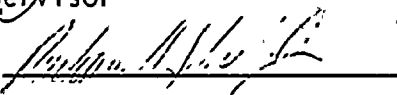
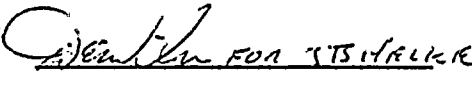
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NINE MILE POINT NUCLEAR STATION

UNIT II OPERATIONS

NON-LICENSED OPERATOR REQUALIFICATION TRAINING SCHEDULE

CYCLE C16 90/91

<u>APPROVALS</u>	<u>SIGNATURES</u>	<u>DATE AND INITIALS</u>
Training Supervisor Requal - Unit 2 J. G. Reid		8/20/91 R
Senior Training Supervisor Nuclear - Unit 2 R. K. Slade		8/20/91 RKS
General Supervisor Operations Unit 2 J. Helker	 FOR STS/HALKE	8/21/91 JH JH

Summary of Pages

Revision: 0 (Effective Date: 8/21/91)

Number of Pages: 2
MASTER
 Date: August 1991 Pages: 2

CONTROLLED
 NIAGARA MOHAWK POWER CORPORATION
DOCUMENT

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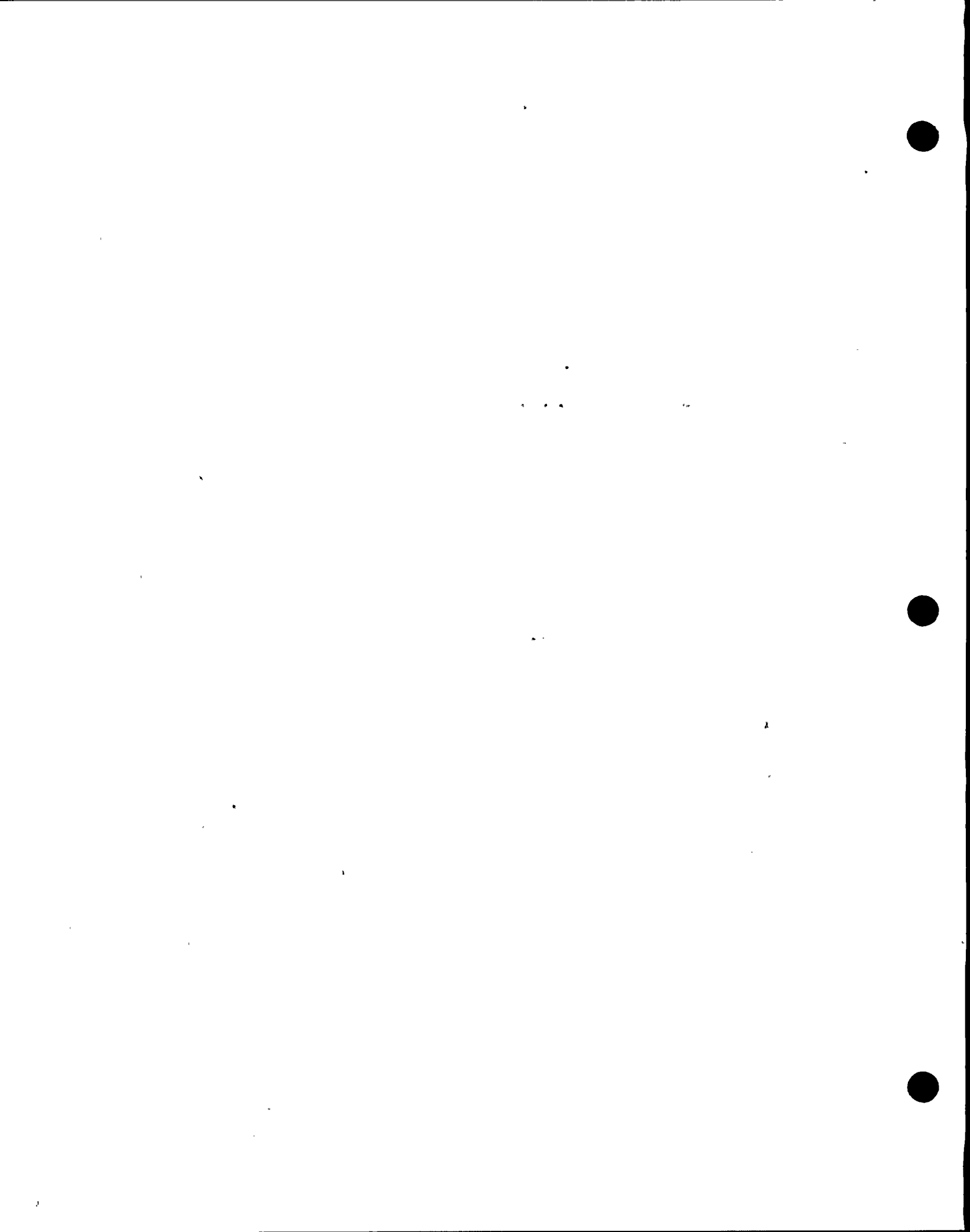
NON-LICENSED OPERATOR REQUALIFICATION TRAINING
CYCLE C16 - 90/91

I. TRAINING DESCRIPTION

- A. Title: Non-Licensed Operator Requalification Program Cycle 16
90/91 Schedule (August 26, 1991 - October 3, 1991).
- B. Purpose:
1. To provide training to the Non-Licensed Operator on the following:
 - a. Systems - Reactor Water Cleanup and Low pressure Core Spray Systems.
 - b. Procedures - Significant industry events and procedural changes since last requal cycle.
 - c. Simulator - Training to include but not limited to exposure to dynamic scenarios, and labs.
 - d. Tasks - Communications - Aide Qualification/Requalification
 - e. Theory - Coefficients of Reactivity
- C. Estimated Duration: Approximately 37 Hours

II. REQUIREMENTS/PREREQUISITES

- A. Requirements for Class:
1. AP-9.0, Administration of Training
 2. NTP-12, Non-Licensed Operator Requalification Training
 3. 10CFR55.59, Code of Federal Regulations (Energy) -
Requalification
 4. Attendance is required for all training sessions.



B. Prerequisites for Class:

1. Instructor:
 - a. Classroom Instructors shall be qualified in accordance with NTP-16.
2. Trainee:
 - a. As directed by NTP-12, Non-Licensed Operator Requalification Training.

III. TRAINING MATERIALS

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

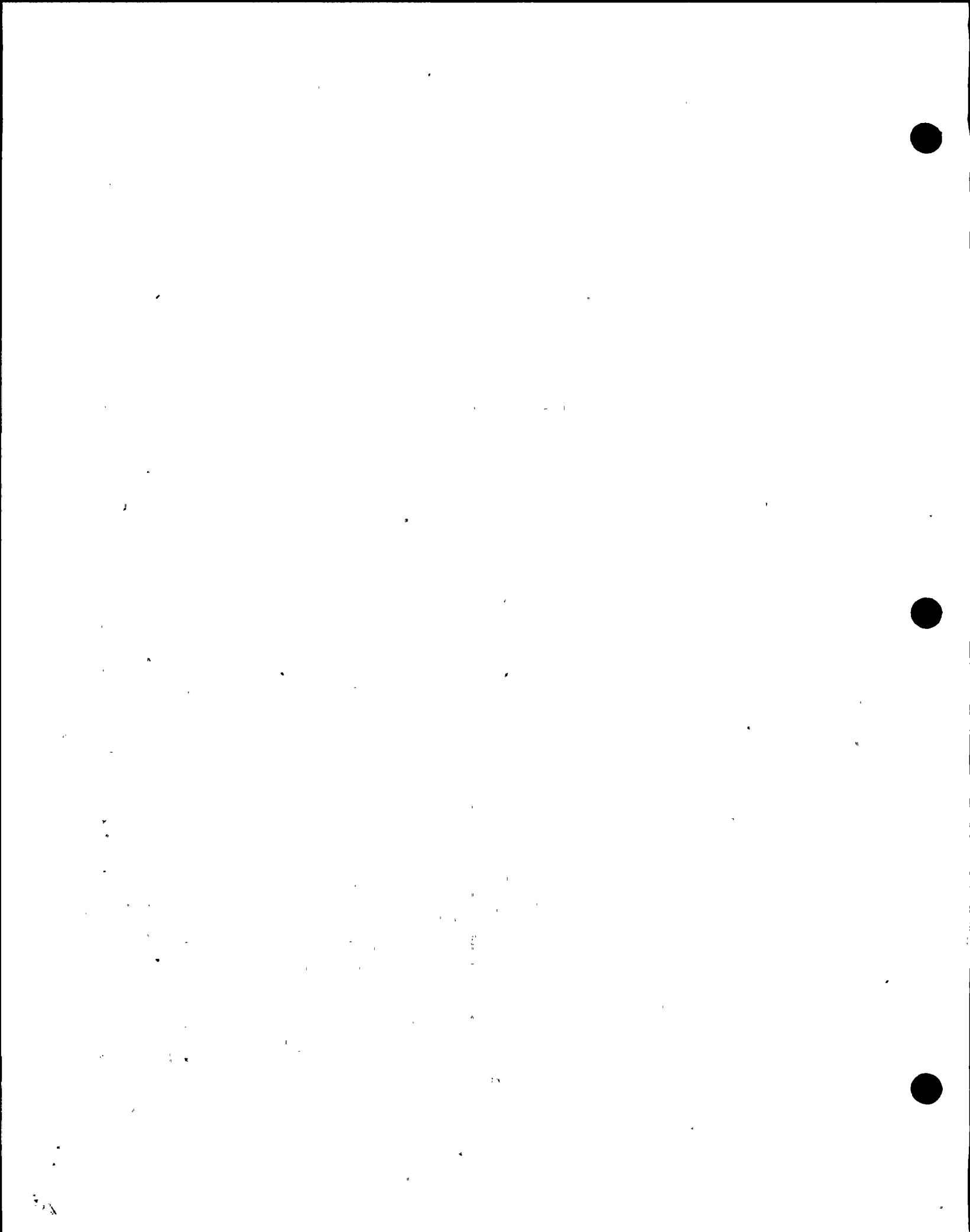
- | | | |
|----|---------------------|---|
| 1. | 02-NLO-001-209-2-01 | Rev. 0, Low Pressure Core Spray |
| 2. | 02-NLO-002-204-2-01 | Rev. 0, Reactor Water Cleanup System |
| 3. | 02-REQ-006-341-2-16 | Rev. 0, Procedure Changes |
| 4. | 02-REQ-007-353-2-16 | Rev. 0, Significant Event Review |
| 5. | 02-REQ-002-305-2-11 | Rev. 0, SOER 87-01 AP-6.5, Control of Testing |
| 6. | 02-NLO-000-CTG-2-01 | Rev. 0, NLO Continuing Training |
| | including | |
| | 02-LOT-002-302-2-05 | Rev. 0 Control Rods |
| 7. | EP-COMA-QUA-0-3-0 | Rev. 0, Communications Aide Qual/Requal |
| | EP-CAPE-QUA-0-3-0 | Rev. 1, Communications Aide JPM |
| 8. | 02-NLO-009-CSO-2-02 | Intro to Control Room Ops |

IV. EXAMS AND ANSWER KEYS

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

V. LESSON OVERVIEW

- A. As set forth in Attachment 1 - Unit 2 Non-Licensed Operator Requal Training Schedule.
- B. Instructors Responsible (Lead) for Training Sessions are designated on Attachment 1.

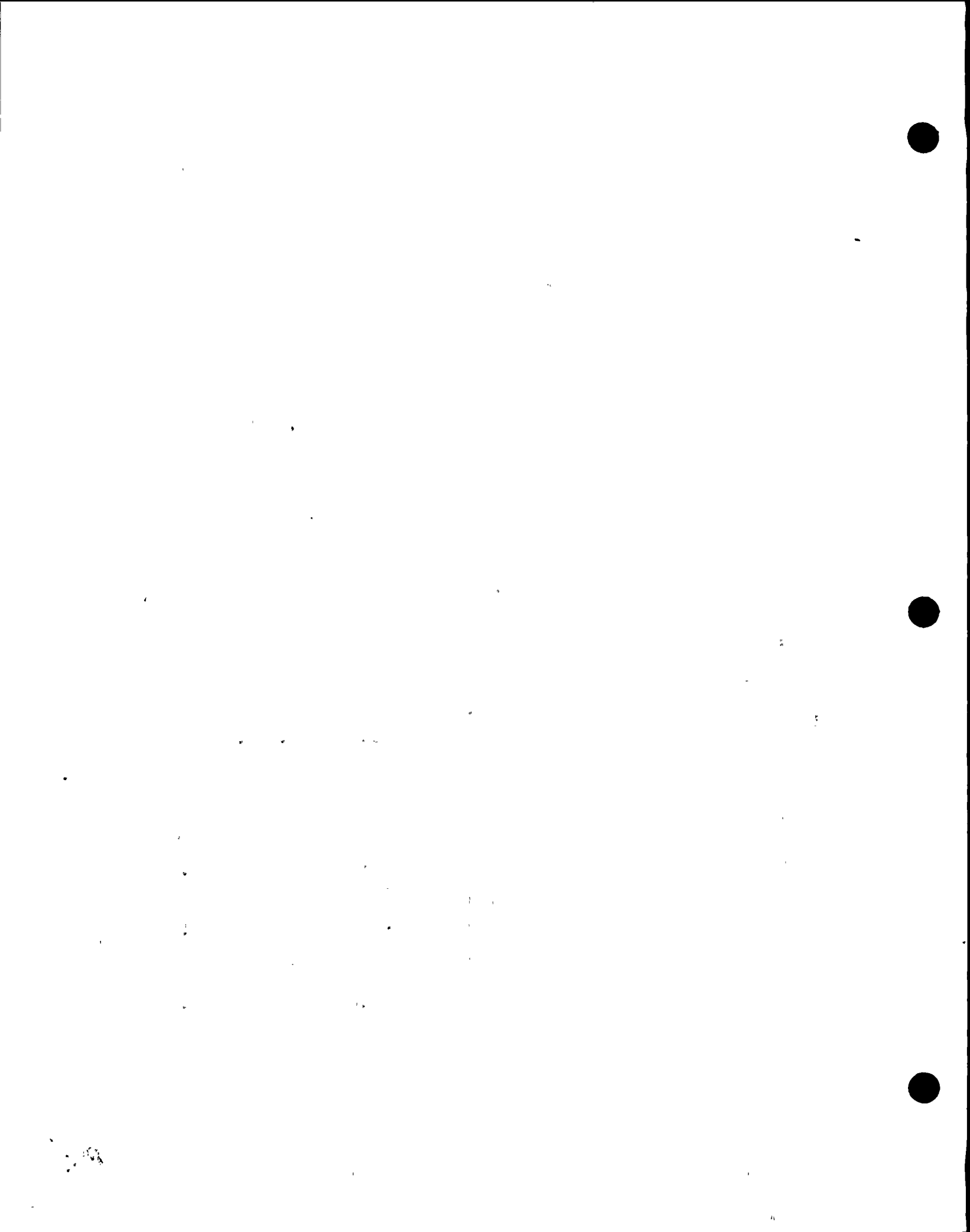


Attachment 1
Unit 2 NLO Requal Training Schedule
A Shift

Monday 8/26	Tuesday 8/27	Wednesday 8/28	Thursday 8/29	Friday 8/30
07:30 Communications Aide Qualification/Requalification EP-COMA-QUA-0-3-00 <div style="text-align: right;">Ron Cole</div>	07:30 Reactor Theory: Review (GE Ch.1,2,3 & 4) <div style="text-align: right;">Craig Krivin</div> 09:00 Low Pressure Core Spray System (*) 02-NLO-001-209-2-01 <div style="text-align: right;">Cliff Croasmun</div>	07:30 Reactor Water Cleanup System (*) 02-NLO-001-204-2-01 <div style="text-align: right;">Ray Bigelow</div>	07:30 Scenerio Briefing 08:15 Simulator Participation 09:15 Simulator System Manipulations 02-NLO-009-600-2-02 <div style="text-align: right;">Cliff Croasmun Ray Bigelow</div>	07:30 Sig. Event Review (*) 02-REQ-007-353-2-16 <div style="text-align: right;">Bob Brown</div> 08:45 Rx Theory Review for Exam <div style="text-align: right;">Craig Krivin</div>
L U N C H				
12:00 Reactor Theory: Review. (GE Ch.1,2,3 & 4) 02-NLO-000-CTG-2-01 <div style="text-align: right;">Craig Krivin</div>	12:00 Reactor Theory: Control Rods (GE Ch. 5) 02-NLO-000-CTG-2-01 <div style="text-align: right;">Craig Krivin</div>	12:00 Procedure Changes (*) 02-REQ-006-341-2-16 <div style="text-align: right;">Dave Pettit</div> 13:00 Reactor Theory: Control Rods (GE Ch. 5) 02-NLO-000-CTG-2-01 <div style="text-align: right;">Craig Krivin</div>	12:00 Systems Review for Exam <div style="text-align: right;">Cliff Croasmun Ray Bigelow</div> 13:30 AP 6.5, Control of Testing (SOER 87-01) (*) 02-REQ-007-353-2-24 <div style="text-align: right;">Eric Perry</div>	12:00 Written Exams 13:30 Trainee Feedback Meeting 14:00 OPS Meeting (*)

NOTES:

1. All classroom lectures will be conducted in B4 unless annotated by an asterisk (*). The asterisk indicates lecture will be in D1/D3.
2. Individual "Catch-up" system classes will be given as needed simultaneously on Monday afternoon starting at 12:00.

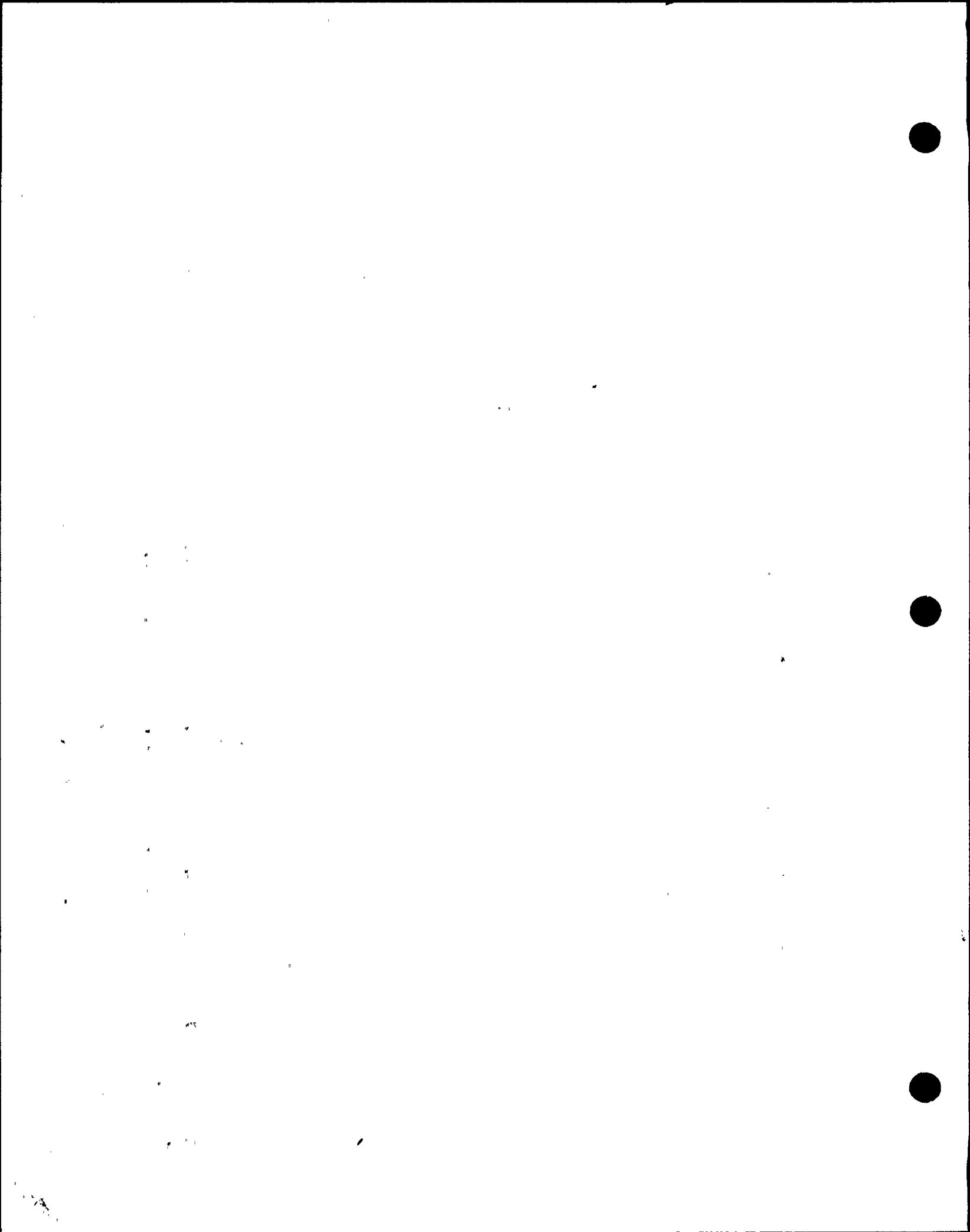


Attachment 1
Unit 2 NLO Requal Training Schedule
D Shift

	Monday 9/02	Tuesday 9/03	Wednesday 9/04	Thursday 9/05	Friday 9/06
H O L I	07:30 Communications Aide Qualification/Requalification EP-COMA-QUA-0-3-00 Ron Cole	07:30 Reactor Theory: Control Rods (GE Ch. 5) 02-NLO-000-CTG-2-01 Craig Krivin 09:00 Low Pressure Core Spray System (*) 02-NLO-001-209-2-01 Cliff Croasmun	07:30 Scenerio Briefing 08:15 Simulator Participation 09:15 Simulator System Manipulations 02-NLO-009-600-2-02 Cliff Croasmun Ray Bigelow	07:30 Sig. Event Review Bob Brown 02-REQ-007-353-2-16 08:45 Rx Theory Review for Exam Craig Krivin 10:00 AP 6.5, Control of Testing (SOER 87-01) (*) 02-REQ-007-353-2-24 Eric Perry	
L U N C H					
D A Y	12:00 Reactor Theory: Review (GE Ch.1,2,3 & 4) 02-NLO-000-CTG-2-01 Craig Krivin	12:00 Reactor Water Cleanup System (*) 02-NLO-001-204-2-01 Ray Bigelow	12:00 Reactor Theory: Control Rods (GE Ch. 5) 02-NLO-000-CTG-2-01 Craig Krivin 15:30 Procedure Changes 02-REQ-006-341-2-16 Dave Pettit	12:00 Written Exams 13:30 Trainee Feedback Meeting	

NOTES:

1. All classroom lectures will be conducted in B4 unless annotated by an asterisk (*). The asterisk indicates lecture will be in D1/D3.
2. Individual "Catch-up" system classes will be given as needed simultaneously on Tuesday afternoon starting at 12:00.



Attachment 1

Unit 2 NLO Requal Training Schedule

E Shift

Monday 9/09	Tuesday 9/10	Wednesday 9/11	Thursday 9/12	Friday 9/13
<p>07:30 Communications Aide Qualification/ Requalification EP-COMA-QUA-0-3-00</p> <p>Ron Cole</p>	<p>07:30 Reactor Theory: Review (GE Ch.1,2,3 & 4) Craig Krivin</p> <p>09:00 Low Pressure Core Spray System (*) 02-NLO-001-209-2-01 Cliff Croasmun</p>	<p>07:30 Reactor Water Cleanup System (*) 02-NLO-001-204-2-01</p> <p>Ray Bigelow</p>	<p>07:30 Scenerio Briefing</p> <p>08:15 Simulator Participation</p> <p>09:15 Simulator System Manipulations 02-NLO-009-600-2-02 Cliff Croasmun Ray Bigelow</p>	<p>07:30 Sig. Event Review (*) 02-REQ-007-353-2-16 Bob Brown</p> <p>08:45 Rx Theory Review for Exam Craig Krivin</p>
L U N C H				
<p>12:00 Reactor Theory: Review (GE Ch.1,2,3 & 4) 02-NLO-000-CTG-2-01 Craig Krivin</p>	<p>12:00 Reactor Theory: Control Rods (GE Ch. 5) 02-NLO-000-CTG-2-01 Craig Krivin</p>	<p>12:00 Procedure Changes (*) 02-REQ-006-341-2-16 Dave Pettit</p> <p>13:00 Reactor Theory: Control Rods (GE Ch. 5) Craig Krivin</p>	<p>12:00 Systems Review for Exam Cliff Croasmun Ray Bigelow</p> <p>13:30 AP 6.5, Control of Testing (SOER 87-01) (*) 02-REQ-007-353-2-24 Eric Perry</p>	<p>12:00 Written Exams</p> <p>13:30 Trainee Feedback Meeting</p> <p>14:00 OPS (*) Meeting</p>

NOTES:

1. All classroom lectures will be conducted in B4 unless annotated by an asterisk (*). The asterisk indicates lecture will be in D1/D3.
2. Individual "Catch-up" system classes will be given as needed simultaneously on Monday afternoon starting at 12:00.



Attachment 1

Unit 2 NLO Requal Training Schedule

F Shift

Monday 9/16	Tuesday 9/17	Wednesday 9/18	Thursday 9/19	Friday 9/20
<p>07:30 Communications Aide Qualification/ Requalification EP-COMA-QUA-0-3-00</p> <p>Ron Cole</p>	<p>07:30 Reactor Theory: Review (GE Ch.1,2,3 & 4) Craig Krivin</p> <p>09:00 Low Pressure Core Spray System (*) 02-NLO-001-209-2-01 Cliff Croasmun</p>	<p>07:30 Reactor Water Cleanup System (*) 02-NLO-001-204-2-01</p> <p>Ray Bigelow</p>	<p>07:30 Scenerio Briefing 08:15 Simulator Participation 09:15 Simulator System Manipulations 02-NLO-009-600-2-02 Cliff Croasmun Ray Bigelow</p>	<p>07:30 Sig. Event Review (*) 02-REQ-007-353-2-16 Bob Brown</p> <p>08:45 Rx Theory Review for Exam Craig Krivin</p>
L U N C H				
<p>12:00 Reactor Theory: Review (GE Ch.1,2,3 & 4) 02-NLO-000-CTG-2-01 Craig Krivin</p>	<p>12:00 Reactor Theory: Control Rods (GE Ch. 5) 02-NLO-000-CTG-2-01 Craig Krivin</p>	<p>12:00 Procedure Changes (*) 02-REQ-006-341-2-16 Dave Pettit</p> <p>13:00 Reactor Theory: Control Rods (GE Ch. 5) Craig Krivin</p>	<p>12:00 Systems Review for Exam Cliff Croasmun Ray Bigelow</p> <p>13:30 AP 6.5, Control of Testing (SOER 87-01) (*) 02-REQ-007-353-2-24 Eric Perry</p>	<p>12:00 Written Exams</p> <p>13:30 Trainee Feedback Meeting</p> <p>14:00 OPS Meeting (*)</p>

NOTES:

1. All classroom lectures will be conducted in B4 unless annotated by an asterisk (*). The asterisk indicates lecture will be in D1/D3.
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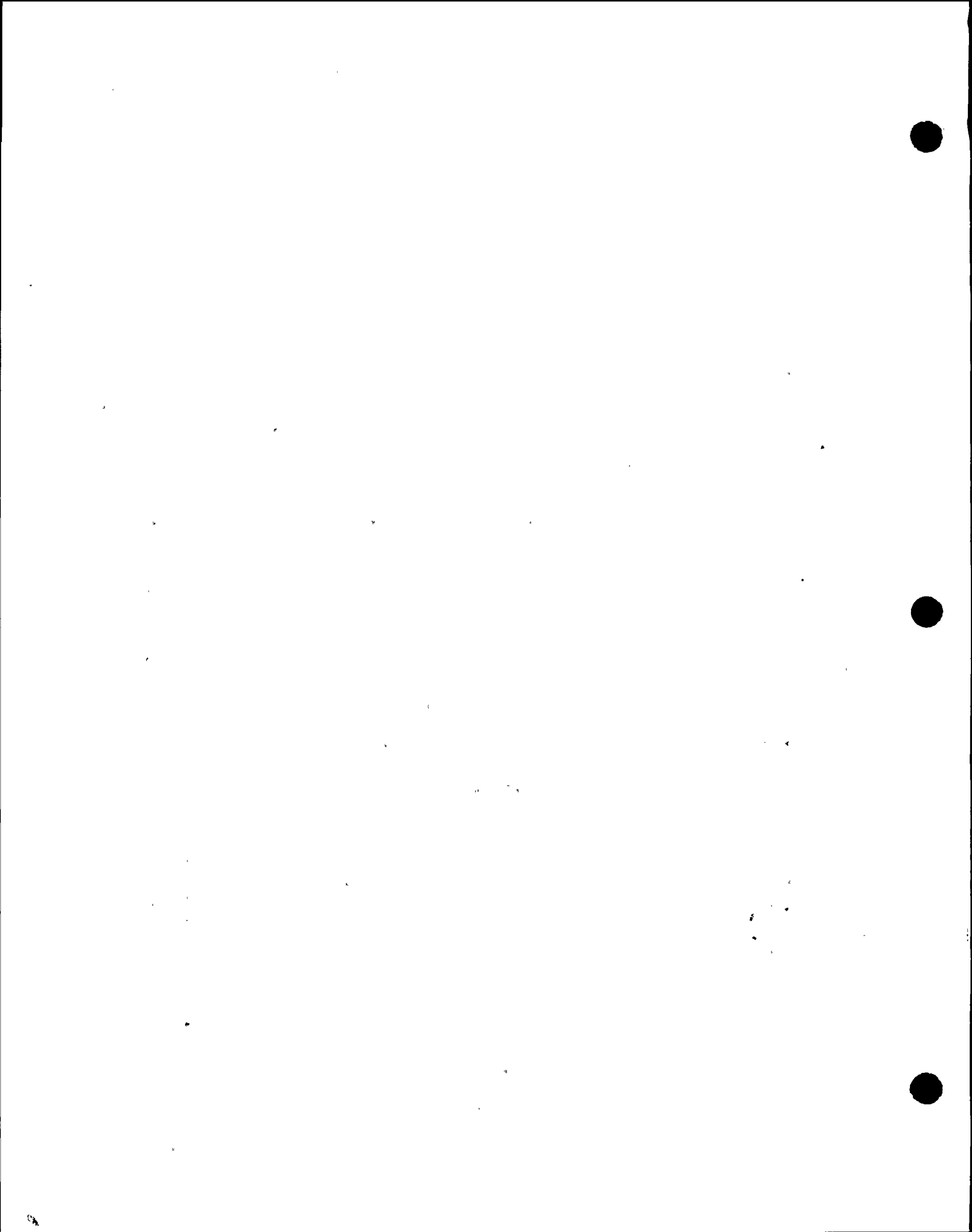
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Attachment 1
Unit 2 NLO Requal Training Schedule
C Shift

Monday 9/23	Tuesday 9/24	Wednesday 9/25	Thursday 9/26	Friday 9/27
07:30 Communications Aide Qualification/Requalification EP-COMA-QUA-0-3-00 <div style="text-align: right;">Ron Cole</div>	07:30 Reactor Theory: Review (GE Ch.1,2,3 & 4) <div style="text-align: right;">Craig Krivin</div> 09:00 Low Pressure Core Spray System (*) 02-NLO-001-209-2-01 <div style="text-align: right;">Cliff Croasmun</div>	07:30 Reactor Water Cleanup System (*) 02-NLO-001-204-2-01 <div style="text-align: right;">Ray Bigelow</div>	07:30 Scenerio Briefing 08:15 Simulator Participation 09:15 Simulator System Manipulations 02-NLO-009-600-2-02 <div style="text-align: right;">Cliff Croasmun Ray Bigelow</div>	07:30 Sig. Event Review (*) 02-REQ-007-353-2-16 <div style="text-align: right;">Bob Brown</div> 08:45 Rx Theory Review for Exam <div style="text-align: right;">Craig Krivin</div>
L U N C H				
12:00 Reactor Theory: Review (GE Ch.1,2,3 & 4) 02-NLO-000-CTG-2-01 <div style="text-align: right;">Craig Krivin</div>	12:00 Reactor Theory: Control Rods (GE Ch. 5) 02-NLO-000-CTG-2-01 <div style="text-align: right;">Craig Krivin</div>	12:00 Procedure Changes (*) 02-REQ-006-341-2-16 <div style="text-align: right;">Dave Pettit</div> 13:00 Reactor Theory: Control Rods (GE Ch. 5) <div style="text-align: right;">Craig Krivin</div>	12:00 Systems Review for Exam <div style="text-align: right;">Cliff Croasmun Ray Bigelow</div> 13:30 AP 6.5, Control of Testing (SOER 87-01) (*) 02-REQ-007-353-2-24 <div style="text-align: right;">Eric Perry</div>	12:00 Written Exams 13:30 Trainee Feedback Meeting 14:00 OPS Meeting (*)

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Attachment 1
Unit 2 NLO Requal Training Schedule
B Shift

Monday 9/30	Tuesday 10/01	Wednesday 10/02	Thursday 10/03	Friday 10/04
<p>07:30 Communications Aide Qualification/ Requalification EP-COMA-QUA-0-3-00</p> <p style="text-align: right;">Ron Cole</p>	<p>07:30 Reactor Theory: Review (GE Ch.1,2,3 & 4) Craig Krivin</p> <p>09:00 Low Pressure Core Spray System (*) 02-NLO-001-209-2-01 Cliff Croasmun</p>	<p>07:30 Reactor Water Cleanup System (*) 02-NLO-001-204-2-01</p> <p style="text-align: right;">Ray Bigelow</p>	<p>07:30 Scenerio Briefing</p> <p>08:15 Simulator Participation</p> <p>09:15 Simulator System Manipulations 02-NLO-009-600-2-02 Cliff Croasmun Ray Bigelow</p>	<p>07:30 Sig. Event Review (*) 02-REQ-007-353-2-16 Bob Brown</p> <p>08:45 Rx Theory Review for Exam Craig Krivin</p>
<p style="font-size: 2em; letter-spacing: 0.5em; margin: 0;">L U N C H</p>				
<p>12:00 Reactor Theory: Review (GE Ch.1,2,3 & 4) 02-NLO-000-CTG-2-01 Craig Krivin</p>	<p>12:00 Reactor Theory: Control Rods (GE Ch. 5) 02-NLO-000-CTG-2-01 Craig Krivin</p>	<p>12:00 Procedure Changes (*) 02-REQ-006-341-2-16 Dave Pettit</p> <p>13:00 Reactor Theory: Control Rods. (GE Ch. 5) Craig Krivin</p>	<p>12:00 Systems Review for Exam Cliff Croasmun Ray Bigelow</p> <p>13:30 AP 6.5, Control of Testing (SOER 87-01) (*) 02-REQ-007-353-2-24 Eric Perry</p>	<p>12:00 Written Exams</p> <p>13:30 Trainee Feedback Meeting</p> <p>14:00 OPS (*) Meeting</p>

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