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NINE MILE POINT UNIT 1

REACTOR OPERATOR CANDIDATE

JOB MANUAL

Prepared By: NMPC Training Department

APPROVAL	SIGNATURE	DATE AND INITIALS REVISION 2
Operations Training Supervisor Unit II	[illegible]	2/13/90
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Summary of Pages

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NIAGARA MOHAWK POWER CORPORATION

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Revision 2 of the Reactor Operator Candidates OJT Manual serves to incorporate existing OJT sections into a single Reactor Operator OJT Manual, as well as to make revisions to update these respective sections. These sections existed as separate documents before incorporation, each with its own revision number.

Revision 2 of the Reactor Operator Candidate OJT Manual incorporates the following documents:

Reactor Operator Candidate OJT Manual -
System 200 Emergency Tasks Rev. 1 + Revisions
System 201 Control Rod Drive Rev. 1 + Revisions
System 202 Reactor Recirculation System Rev. 1 + Revisions
System 204 Reactor Water Cleanup System Rev. 1 + Revisions
System 205 Residual Heat Removal System Rev. 2 + Revisions
System 206 High Pressure Core Spray Rev. 1 + Revisions
System 208 Reactor Building Closed Loop Cooling Rev. 1 + Revisions
System 209 Low Pressure Core Spray System Rev. 1 + Revisions
System 211 Standby Liquid Control System Rev. 1 + Revisions
System 212 Reactor Protection System Rev. 1 + Revisions
System 214 Rod Position Indication System Rev. 0 + Revisions
System 215 Nuclear Instrumentation System Rev. 1 + Revisions
System 217 Reactor Core Isolation Cooling System Rev. 1 + Revisions
System 218 Automatic Depressurization System Rev. 1 + Revisions
System 221 Containment Entry and Exit System Rev. 0 + Revisions
System 222 Drywell Cooling System Rev. 1 + Revisions
System 223 Containment System Rev. 1 + Revisions
System 224 Primary Containment Isolation System Rev. 1 + Revisions
System 226 Safety Parameter Display System Rev. 1 + Revisions
System 233 Spent Fuel Pool Cooling System Rev. 1 + Revisions
System 234 Fuel Handling Equipment Rev. 1 + Revisions
System 239 Main Steam System Rev. 1 + Revisions
System 242 Auxiliary Steam Rev. 0 + Revisions
System 243 Extraction Steam System Rev. 1 + Revisions
System 245 Main Turbine Generator Rev. 1 + Revisions
System 246 Main Turbine Steam Seal System Rev. 1 + Revisions
System 247 Main Lube Oil System Rev. 1 + Revisions
System 248 Main Turbine EHC System Rev. 1 + Revisions
System 250 Seal Oil System Rev. 1 + Revisions
System 252 Generator H_2 and CO_2 System Rev. 1 + Revisions
System 253 Stator Water Cooling System Rev. 1 + Revisions
System 254 Generator Bus Duct Cooling System Rev. 1 + Revisions
System 255 Condenser Air Removal System Rev. 1 + Revisions
System 256 Condensate System Rev. 1 + Revisions
System 259 Reactor Feedwater System Rev. 1 + Revisions
System 260 Feedwater Heater Vent & Drain System Rev. 0 + Revisions
System 261 Standby Gas Treatment System Rev. 1 + Revisions
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System 271 Off-Gas System Rev. 1 + Revisions
System 272 Radiation Monitoring System Rev. 0 + Revisions
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System 285 Communications System Rev. 1 + Revisions
System 286 Fire Protection System Rev. 0 + Revisions
System 288 Plant Ventilation System Rev. 1 + Revisions
System 291 Sump and Drain System Rev. 2 + Revisions
System 294 Redundant Reactivity Control System Rev. 1 + Revisions
System 296 Remote Shutdown System Rev. 1 + Revisions
System 298 Miscellaneous Rev. 1 + Revisions
System 299 Administrative System Rev. 1 + Revisions

The revisions to these documents, where they occur, will be marked with a revision bar, and labeled as Revision 2.

UNIT II OPERATIONS
REACTOR OPERATOR CANDIDATE OJT MANUAL

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1-c Progress Report/Evaluator Certification Matrix

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202	Reactor Recirculation System
204	Reactor Water Cleanup System
205	Residual Heat Removal System
206	High Pressure Core Spray System
208	Reactor Building Closed Loop Cooling Water System
209	Low Pressure Core Spray System
211	Standby Liquid Control System
212	Reactor Protection System
214	Rod Position Indication System
215	Nuclear Instrumentation System
217	Reactor Core Isolation Cooling System
218	Automatic Depressurization System
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SYSTEM NO.	SYSTEM NAME
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234	Fuel Handling Equipment System
239	Main Steam System
242	Auxiliary Steam System
243	Extraction Steam System
245	Main Turbine Generator
246	Main Turbine Steam Seal System
247	Main Lube Oil System
248	Electro-Hydraulic Control System
250	Seal Oil System
252	Generator H_2 and CO2 Systems
253	Stator Water Cooling System
254	Generator Bus Duct Cooling System
255	Condenser Air Removal System
256	Condensate System
259	Reactor Feedwater System
260	Feedwater Heater Vents and Drains
261	Standby Gas Treatment System
262	AC Electrical Distribution System
263	DC Electrical Distribution System
264	Emergency Diesel Generator System
271	Off-Gas System
272	Radiation Monitoring System
273	Meteorological Monitoring System
274	Turbine Building Closed Loop Cooling System

SYSTEM NO.	SYSTEM NAME
275	Circulating Water System
276	Service Water System
277	Loose Parts Monitoring System
278	Instrument and Service Air System
279	Breathing Air System
283	Plant Computer System
284	Seismic Monitoring Equipment
285	Communications System
286	Fire Protection System
288	Plant Ventilation System
291	Sumps and Drains Systems
294	Redundant Reactivity Control System
296	Remote Shutdown System
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299	Administrative

RO REACTIVITY CHANGES RECORD SHEET

NINE MILE POINT UNIT II
REACTOR OPERATOR CANDIDATE OJT PERFORMANCE MANUAL

PURPOSE: The purpose of the Reactor Operator Candidate OJT Performance Manual is to provide a systematic method for Reactor Operator Candidates to demonstrate proficiency in the performance of job tasks which have been identified in their working environment.

SCOPE: The Reactor Operator Candidate OJT Performance Manual identifies tasks for which Reactor Operator Candidates must demonstrate satisfactory performance prior to being considered qualified to perform that task without supervisory aid. The satisfactory performance of each identified task will be witnessed and documented in each RO Candidate's OJT Manual by a qualified evaluator. Qualified evaluators shall be identified by the Operations Superintendent or his designee.

DESCRIPTION:

A. Each Reactor Operator Candidate will be provided with an OJT Performance Manual. The proper use of this manual is described herein. Each system for which tasks are written is given a three-digit system identification number which is followed by a decimal point. Each task performed within or on this system receives a sequential number, e.g. 200.1, 200.2, 200.3. In this example, 200 represents the system number and .1, .2 and .3 represent their separate task.

B. The Instructor Signature for Knowledge may be obtained from the instructor after you have successfully completed the system lecture, and have attained an 80% or higher on a written examination on the lecture material.

C. The satisfactory performance of each task will be witnessed, dated and signed off by a Qualified Evaluator on the Task Evaluator Sheet. The level of performance, "P" perform, "S" simulate, "D" discuss will be identified by the evaluator by circling the appropriate letter designator. After the Instructor Signature for Knowledge and all task signatures are obtained, the Unit Training Supervisor or his Designee will date and sign the Task Complete space on the Task Evaluator Sheet. The Training Supervisor will then send the Task Evaluator Sheet and, if the individual has successfully completed Evaluator Training as specified in NTI 4.4.6, the Evaluator Certification Sheet to the Operations Superintendent. 2

D. The Operations Superintendent should then date and sign the Task Qualified space on the Task Evaluator Sheet. He may or may not complete the Evaluator Certification Sheet, but in either circumstance return the forms to the Unit II Training Supervisor.

E. The Unit II Training Supervisor will then file the original Task Evaluator Sheet in the individual's training file and return the Evaluator Certification Sheet to the individual's OJT Manual. This program will be reviewed monthly. | 2

F. Qualified evaluators shall be identified by the Operations Superintendent or his designee as specified in NTI 4.4.6, Section 5.

RESPONSIBILITY:

The primary responsibility for the completion of this manual is with the individual. The Operations Superintendent and Training Department will provide assistance as required to aid the Reactor Operator in the completion of the manual.

Task Qualification Format

1. The following sections are contained in each task qualification section:

   a. Cover Sheet

      - Identifies task module
      - Approvals and revision number

   b. References

      - Provides a comprehensive list of procedures, applicable classroom text and other references as needed in order to satisfactorily perform identified job tasks for that qualification module.

   c. Tasks Performance Criteria and Objectives

      - Each task has a task code number for tracking the progress of Reactor Operator Candidates.
      - Task performance criteria and objectives are listed.

   d. Task checkoff Sheet

      - Each task requires an evaluator's signature to document satisfactory performance of that task and the level of performance circled. | 2
      - This checkoff sheet serves as a record of satisfactory completion of the tasks listed in a module.
      - A copy of the Task Evaluator Sheet is kept with training records.
      - The Task Evaluator Sheet is periodically reviewed to update status of qualification.

Instructions to Reactor Operator Candidates

1. The manual has Knowledge Requirements and Practical Requirements that must all be completed prior to the task completion signature being obtained.

2. The Knowledge Requirement where required is satisfied by the operator attending the regularly scheduled lecture on each task and SATISFACTORILY completing a written exam on that subject. The exam will be given at a time designated by the Training Supervisor and satisfactory results are shown by obtaining 80% or greater on the exam. At this time, the Training Supervisor or designee will sign and date the appropriate place on the Task Summary Sheet.

3. PRACTICAL REQUIREMENT

   A. This requirement has an action code associated with each of the items listed. These action codes (either P or S or D) designate the level of performance required for satisfactory completion of that item. "P" designates actual performance which must be accomplished by the operator and witnessed by a cognizant evaluator prior to obtaining the signature required. "S" designates simulation may be done in lieu of actual performance and witnessed by the cognizant evaluator prior to meeting the requirements for that signature. A "D" designates discussion of the task with a Qualified evaluator prior to obtaining the evaluator signature. Action code "P/S" will be driven by common sense and present plant conditions. If present plant conditions prohibit system operation to perform the task, then simulation is an acceptable criteria for task completion. Tasks followed by a + sign indicate that in plant performance is required for that specific task.

   B. The designation "perform" (P) shall be understood to pertain to only those actions actually performed by the student in the routine performance of the task. Tasks performed in the simulator shall be considered a "perform".

   C. The designation "simulate" (S) shall be understood as a walk-through of the steps necessary to perform a task. Switch locations, system indication locations, expected system responses and system operational constraints shall be discussed in a chronological order during the course of the simulation.

   D. The designator (D) "discussion" shall be understood to pertain to those tasks which are not readily performed or simulated. The action code "discussion" shall be done with a qualified evaluator. In evaluating the trainee for a task, the evaluator should include a discussion of, but not limited to, personnel safety (including ALARA), proper use of procedures when operating equipment, correct application of appropriate Site Procedures (SP, SEPP, RPP, RAP, or others as appropriate), proper use of Technical Specifications and the proper use and routing of reports or documentation as required by procedures related to the task.

E. The candidate should review appropriate referenced procedures and material for identified job tasks prior to performing those tasks for the OJT evaluator.

F. The candidate should review the performance criteria and performance objective for each qualification task. Be prepared to answer questions based on the performance criteria for that task. The performance objective for that task shall be considered met if all actions performed are in accordance with referenced procedures.

G. For all tasks governed by a procedure, or procedures, compliance to said procedures shall be required by the evaluator in order to consider you qualified to perform that task.

H. Notify a qualified evaluator of the job tasks you are assigned to perform for evaluation so that he can prepare and make necessary arrangements to evaluate you in a timely manner.

I. Task Qualification Modules are to be retained in your OJT Manual. When not in use, the Manual shall be kept such that the Training Supervisor or Operations Superintendent may have access to it as necessary. | 2

J. Task Complete signature blocks will be signed when <u>all</u> other items on the Task Evaluator Sheet are signed off. Upon obtaining the Task complete signature the Record Sheet will be turned in to the cognizant Training Department personnel to be entered in the individual's personal training record.

K. The candidate must perform at least five (5) significant control manipulations <u>in the plant</u> that effect reactivity or power level. Manipulations of the controls of the plant must be documented in the RO Reactivity Changes Record Sheet. Manipulations of the controls simulated in the plant simulator may also be recorded in the RO Reactivity Changes Record Sheet. | 2

EVALUATORS: Task evaluators on Nine Mile Point Unit II must hold an RO or SRO license and have completed the TSD, OJT evaluators course. Qualified simulator instructors may also sign-off tasks when performed in the simulator.

<u>Instructions to Evaluator</u>

1. Review appropriate referenced procedures and material for the applicable qualification tasks prior to evaluating the operator.

2. Review the performance criteria and performance objective for each qualification task. Questions based on the performance criteria for each qualification task may be used to measure the operator's knowledge level for performing that task. The performance objective shall be considered met if all actions by the operator are performed for that task in accordance with referenced procedures or industry standards.

3. For all tasks governed by a procedure, or procedures, compliance to said procedures shall be required by the evaluator in order to consider an operator qualified to perform that task.

4. If any of the task performance criteria and/or performance objectives are not satisfactorily met, indicate the problem area to the operator. Do not sign the task qualification block of that task on the Task Evaluator Sheet section.

5. The evaluator will indicate satisfactory performance for each task by signing and dating the Task Evaluator sheet that follows each section.
   a. Ensure the student's name is written at the top of the Task Summary Sheet.
   b. Legibly sign the task on the "Evaluator" line in black ink.
   c. Circle the applicable "Action Code" to denote the level of performance.
   d. Include the date the evaluation was performed.

EVALUATOR CERTIFICATION SHEET

_____
Name

The above-named individual has successfully completed evaluator training.

_____
Unit II Training Supervisor or Designee

I designate the above-named person as a certified evaluator for the following systems by initialing and dating the blanks.

_____
Operations Superintendent

System No.	System Name	Initials	Date	
200	Emergency Tasks		_____	_____
201	Control Rod Drive		_____	_____
202	Reactor Recirculation System		_____	_____
204	Reactor Water Cleanup System		_____	_____
205	Residual Heat Removal System		_____	_____
206	High Pressure Core Spray System		_____	_____
208	Reactor Building Closed Loop Cooling Water System		_____	_____
209	Low Pressure Core Spray System		_____	_____
211	Standby Liquid Control System		_____	_____
212	Reactor Protection System		_____	_____
215	Nuclear Instrumentation System		_____	_____
217	Reactor Core Isolation Cooling System		_____	_____
218	Automatic Depressurization System		_____	_____

System No.	System Name	Initials	Date
222	Drywell Cooling System		
223	Containment Systems		
224	Primary Containment Isolation System		
226	Safety Parameter Display System		
233	Spent Fuel Pool Cooling System		
234	Fuel Handling Equipment System		
239	Main Steam System		
243	Extraction Steam System		
245	Main Turbine Generator		
246	Main Turbine Steam Seal System		
247	Main Lube Oil System		
248	Electro-Hydraulic Control System		
250	Seal Oil System		
252	Generator H_2 and CO2 Systems		
253	Stator Water Cooling System		
254	Generator Bus Duct Cooling System		
255	Condenser Air Removal System		
256	Condensate System		
259	Reactor Feedwater System		
261	Standby Gas Treatment System		
262	AC Electrical Distribution System		
263	DC Electrical Distribution System		
264	Emergency Diesel Generator System		
271	Off-Gas System		

System No.	System Name	Initials	Date
273	Meteorological Monitoring System	_____	_____
274	Turbine Building Closed Loop Cooling System	_____	_____
275	Circulating Water System	_____	_____
276	Service Water System	_____	_____
277	Loose Parts Monitoring System	_____	_____
278	Instrument and Service Air System	_____	_____
283	Plant Computer System	_____	_____
284	Seismic Monitoring Equipment	_____	_____
285	Communications System	_____	_____
286	Fire Protection System	_____	_____
288	Plant Ventilation System	_____	_____
291	Sump and Drain Systems	_____	_____
294	Redundant Reactivity Control System	_____	_____
296	Remote Shutdown System	_____	_____
298	Miscellaneous	_____	_____
299	Administrative	_____	_____

FILE CODE:

DATE INITIAL	EVOLUTION PERFORMED	INITIAL POWER LEVEL	FINAL POWER LEVEL	PLANT/ SIMULATOR

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 200 EMERGENCY TASKS

II. SYSTEM REFERENCES

Due to broad spectrum of tasks identified under this system, it is not practical to list all references. The list of references for this system would include, but are not limited to, the following:

Operating Procedures for NMPII
Final Safety Analysis Report
Technical Specifications
Simulator Systems Manual
Emergency Plan and Procedures
Radiation Protection Procedures
FSK, LSK, ESK Drawings

Therefore, individual task references are listed in the reference section of the OJT Task Manual for the appropriate system.

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

There are no specific testable knowledge requirements for this section due to the broad scope of topics covered. Knowledge will be gained by satisfactory performance of practicals as required by the evaluator responsible for signing the specific task.

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures. 2

C. Practical Requirements

ITEM		ACTION CODE
200.1	Perform actions for Reactor High Pressure	P
200.2	Perform actions required for a Loss of Coolant Accident (Small Leak) inside the Primary Containment	P
200.3	Perform actions required for an anticipated transient without scram	P
200.4	Perform actions required on a fire	P/S
200.5	Perform actions for a loss of Condenser Vacuum	P
200.6	Perform actions for a Steam Line Rupture	P
200.7	Perform actions for a Radiation Monitoring System Alarm (High airborne activity or high radiator in a general area and for a local area)	P/S
200.8	Perform actions for a Loss of DC Power	P/S
200.9	Perform actions for a Loss of Off-site Power	P
200.10	Discuss actions for a Fuel Handling Incident	D
200.11	Perform actions for a inadvertant criticality during Fuel Loading	D
200.12	Perform actions for a High Drywell Pressure	P/S
200.13	Perform actions for an Emergency Electrical System failure	P
200.14	Perform actions for a Reactor Water Level High	P/S
200.15	Determine that power oscillations following two Recirc. Pump Trip are occurring and take required actions	P
200.16	Performs actions for a Main Steam Isolation Valve Closure	P/S
200.17	Perform actions for a Reactor Water Level Low	P/S
200.18	Perform actions for a Normal Electrical System failure	P
200.19	Perform actions for a single Feedwater Pump Trip	P
200.20	Perform actions for a Condensate System or Component Failure	P/S

C. Practical Requirements (Cont'd.)

	ITEM	ACTION CODE
200.21	Perform actions for a Safety Relief Valve Opening	P
200.22	Perform actions for a Loss of RPS Channel	P
200.23	Perform actions for an APRM/LPRM Failure	P
200.24	Perform actions for an EHC Failure	P
200.25	Perform actions for a Fuel Cladding Failure	P
200.26	Perform actions for a Turbine Trip without Bypass	P
200.27	Perform actions for a complete loss of Feedwater	P
200.28	Perform actions for a Generator Load Reject	P/S
200.29	Perform actions for a Loss of all Feedwater and HPCS	P
200.30	Discuss what a Loss of Containment Integrity is and perform the actions required	D/P/S
200.31	Perform the actions required for a Loss of Shutdown Cooling	P
200.32	Perform the actions required for a large break LOCA outside the Primary Containment	P
200.33	Perform the actions required for a small break LOCA outside the Primary Containment	P
200.34	Perform the actions required for an Unexplained Core Reactivity Change	P
200.35	Perform the actions required for a Large Break LOCA inside the Primary Containment	P
200.36	As CSO perform required duties when the S.S.S. becomes incapacitated	P
200.37	Perform the duties of CSO during a High Airborne Activity in a Local or General area	P
200.38	Perform the duties of the CSO during a High Radiation condition in a Local or General area	P
200.39	Perform the duties of the CSO when notified of a fire in the plant	P

+Indicates tasks required to be performed/simulated in the Plant.

C. Practical Requirements (Cont'd.)

	ITEM	ACTION CODE	
200.40	Perform the duties of the CSO when notified of a missing person	P	
200.41	Perform the duties of the CSO when notified of an injured and contaminated person in the plant	P	
200.42	Take the actions required of the CSO during a security contingency event	P	
200.43	Respond to a CRD system failure (SDV High Level)	P	
200.44	Perform the actions required for a High Drywell Temperature	P	2
200.45	Perform the actions required for a High Suppression Pool Water Level	P	
200.46	Perform the actions required for a Reactor Building sump level HI-HI	P	

+Indicates tasks required to be performed/simulated in the Plant.

Student's Name

SYSTEM 200 EMERGENCY TASKS

200.1	Evaluator	P	Date
200.2	Evaluator	P	Date
200.3	Evaluator	P	Date
200.4	Evaluator	P/S	Date
200.5	Evaluator	P	Date
200.6	Evaluator	P	Date
200.7	Evaluator	P/S	Date
200.8	Evaluator	P/S	Date
200.9	Evaluator	P	Date
200.10	Evaluator	D	Date
200.11	Evaluator	D	Date
200.12	Evaluator	P/S	Date
200.13	Evaluator	P	Date
200.14	Evaluator	P/S	Date
200.15	Evaluator	P	Date
200.16	Evaluator	P/S	Date
200.17	Evaluator	P/S	Date
200.18	Evaluator	P	Date
200.19	Evaluator	P	Date
200.20	Evaluator	P/S	Date
200.21	Evaluator	P	Date
200.22	Evaluator	P	Date
200.23	Evaluator	P	Date
200.24	Evaluator	P	Date

Student's Name

SYSTEM 200 EMERGENCY TASKS

200.25	Evaluator	P	Date
200.26	Evaluator	P	Date
200.27	Evaluator	P	Date
200.28	Evaluator	P/S	Date
200.29	Evaluator	P	Date
200.30	Evaluator	D	Date
200.31	Evaluator	P	Date
200.32	Evaluator	P	Date
200.33	Evaluator	P	Date
200.34	Evaluator	P	Date
200.35	Evaluator	P	Date
200.36	Evaluator	P	Date
200.37	Evaluator	P	Date
200.38	Evaluator	P	Date
200.39	Evaluator	P	Date
200.40	Evaluator	P	Date
200.41	Evaluator	P	Date
200.42	Evaluator	P	Date
200.43	Evaluator	P	Date
200.44	Evaluator	P	Date
200.45	Evaluator	P	Date

_____
Student's Name

SYSTEM 200 EMERGENCY TASKS

200.46 _____ P _____
Evaluator Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 201 CONTROL ROD DRIVE

II. SYSTEM REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedure N2-OP-30, 95A, 95B, 96, 101A
C. NMPII Technical Specifications
D. NMPII Licensed Operator Text - CRD, RMC, CRDH, RPS

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Control Rod Drive System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-6
2. OLT-7
3. OLT-31
4. OLT-35

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2.

C. Practical Requirements

	ITEM	ACTION CODE
201.1	Startup the CRD System from P603 and monitor/control during all modes of plant operation	P
201.2	Perform an approach to criticality, heatup and vessel pressurization	P
201.3	Perform RSCS Startup	P/S
201.4	Perform Mode Switch Transfer(s) in accordance with requirements of OP-101A, B, C	P
201.5	Perform a normal and emergency power reduction using the CRD System	P
201.6	Perform a Reactor Cooldown IAW N2-OP-101C	P
201.7	Bypass a Control Rod in the Rx Manual Control System	P/S+
201.8	Bypass and unbypass a Control Rod in the Rod Sequence Control System	P/S+
201.9	Bypass RSCS Interlock for Rod Insertion	S
201.10	Perform actions required for a stuck rod	P/S
201.11	Perform actions in response to loss of Rod Position Indication or Control Rod Display	P/S
201.12	Perform actions in response to a Control Rod Drift	P/S
201.13	Perform actions associated with uncoupled Control Rod	P/S
201.14	Scram the Reactor manually and take immediate actions	P
201.15	Perform Post Scram Recovery actions IAW N2-OP-101C	P
201.16	Performs actions for plant operation with RWM inoperable	P/S
201.17	Perform actions for a loss of CRD pump(s) during plant operation	P
201.18	Perform actions for a mispositioned control rod	P/S
201.19	Conduct Rod Worth Minimizer Operability Test (N2-OSP-RMC-@003)	P/S

+Indicates tasks required to be performed/simulated in the Plant.

C. Practical Requirements (Cont'd.)

	ITEM	ACTION CODE	
201.20	Conduct Control Rod movement and position indicator verification (N2-OSP-RMC-W@001)	P/S+	
201.21	Conduct Rod Sequence Control Functional Test (N2-OSP-RMC-@004)	P/S	
201.22	Conduct Control Rod Coupling Integrity Test (N2-OSP-RMC-@002)	P/S	
201.23	Perform CRD Stablizing Valve change over at P-603	P/S	2
201.24	Increase CRD System flow to the Reactor after the Reactor is shut down during an emergency	P/S	

+Indicates tasks required to be performed/simulated in the Plant.

Student's Name

SYSTEM 201 CONTROL ROD DRIVE

201.1	Evaluator	P	Date
201.2	Evaluator	P	Date
201.3	Evaluator	P/S	Date
201.4	Evaluator	P	Date
201.5	Evaluator	P	Date
201.6	Evaluator	P	Date
201.7	Evaluator	P/S+	Date
201.8	Evaluator	P/S+	Date
201.9	Evaluator	S	Date
201.10	Evaluator	P/S	Date
201.11	Evaluator	P/S	Date
201.12	Evaluator	P/S	Date
201.13	Evaluator	P/S	Date
201.14	Evaluator	P	Date
201.15	Evaluator	P	Date
201.16	Evaluator	P/S	Date
201.17	Evaluator	P	Date
201.18	Evaluator	P/S	Date
201.19	Evaluator	P/S	Date
201.20	Evaluator	P/S+	Date
201.21	Evaluator	P/S	Date
201.22	Evaluator	P/S	Date
201.23	Evaluator	P/S	Date
201.24	Evaluator	P/S	Date

Student's Name

SYSTEM 201 CONTROL ROD DRIVE

Knowledge Complete: _____ _____
OLT-6 Instructor Signature Date

Knowledge Complete: _____ _____
OLT-7 Instructor Signature Date

Knowledge Complete: _____ _____
OLT-31 Instructor Signature Date

Knowledge Complete: _____ _____
OLT-35 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 202 REACTOR RECIRCULATION SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedures, N2-OP-29 - 101A, B,C
C. NMPII Licensed Operator Text, RRS, RRFC
D. NMPII Surveillance Test Procedures
E. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Reactor Recirculation System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-8
2. OLT-9

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
202.1	Monitor Recirc Pump Performance Parameters	P+
202.2	Increase Power to Rated using Reactor Recirc. Flow and Rods	P
202.3	Startup the hydraulic power unit from the Control Room and transfer to alternate subloop	P
202.4	Startup a Recirculation Pump from no flow and monitor pump for normal operation	P
202.5	Adjust the Recirculation Flow using Loop Manual Control	P
202.6	Transfer Recirculation Pump Speed from Low (15 Hz) to High Speed (60 Hz)	P
202.7	Transfer Flow Control from Loop Manual to Loop Auto (Flux Manual) and Control Flow in Loop Auto	P
202.8	Transfer Flow Control from Loop Auto to Flux Auto	P
202.9	Restart a Tripped Recirculation Pump from single loop operation	P
202.10	Reduce Recirc Flow as necessary and Transfer a Recirculation Pump from High Speed (60 Hz) to Low Speed (15 Hz)	P
202.11	Operate the Recirculation System in Single Loop Mode	P
202.12	Secure a Recirculation Pump	P
202.13	Perform necessary actions for a Jet Pump Failure	D
202.14	Perform and discuss actions required for a loss of seal purge and/or RBCLC cooling to the Recirc Pump	P
202.15	Perform actions required for one Recirculation Pump Trip	P/S
202.16	Perform actions required for two Recirculation Pumps Trip	P/S
202.17	Discuss actions required and possible causes for an increase in Recirculation flow not caused by operator action	D

+Indicates tasks required to be performed/simulated in the Plant.

C. Practical Requirements (Cont'd.)

	ITEM	ACTION CODE	
202.18	Perform actions required for a Recirculation Pump Seal Malfunction	P/S	
202.19	Conduct RCS Pressure/Temperature Verification (N2-OSP-RCS-@001)	P	
202.20	Start up a second Recirc Pump (N2-OSP-RCS-@001)	P/S	
202.21	Perform the actions required for Recirc Pump High Vibration	P	2
202.22	Perform the actions required for FCV Runback and Low Speed Recirc Pump operation	P/S	

+Indicates tasks required to be performed/simulated in the Plant.

Student's Name

SYSTEM 202 REACTOR RECIRCULATION SYSTEM

202.1	Evaluator	P+	Date
202.2	Evaluator	P	Date
202.3	Evaluator	P	Date
202.4	Evaluator	P	Date
202.5	Evaluator	P	Date
202.6	Evaluator	P	Date
202.7	Evaluator	P	Date
202.8	Evaluator	P	Date
202.9	Evaluator	P	Date
202.10	Evaluator	P	Date
202.11	Evaluator	P	Date
202.12	Evaluator	P	Date
202.13	Evaluator	D	Date
202.14	Evaluator	P	Date
202.15	Evaluator	P/S	Date
202.16	Evaluator	P/S	Date
202.17	Evaluator	D	Date
202.18	Evaluator	P/S	Date
202.19	Evaluator	P	Date
202.20	Evaluator	P/S	Date
202.21	Evaluator	P	Date
202.22	Evaluator	P/S	Date

Student's Name

SYSTEM 202 REACTOR RECIRCULATION SYSTEM

Knowledge Complete: _____ _____
OLT-8 Instructor Signature Date

Knowledge Complete: _____ _____
OLT-9 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 204 REACTOR WATER CLEANUP SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK,ESK Drawings
B. NMPII Operating Procedures N2-OP-37
C. NMPII Licensed Operator Text WCS
D. NMPII Surveillance Test Procedures
E. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Reactor Water Cleanup System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-10

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
204.1	Perform lineups on the RWCU System from the Control Room	P
204.2	Startup the RWCU Pump from the Control Room with system flow return to feedwater or full flow reject	P
204.3	Place and remove a filter/demineralizer in service from the Control Room with flow return to feedwater	P
204.4	Perform normal Reject of Primary System Water to the Main Condenser Hotwell/Radwaste	P
204.5	Perform full reject to prevent feedwater stratification	P
204.6	Transfer RWCU return to feedwater	P
204.7	Restore the Reactor Water Cleanup System to operation following isolation	P
204.8	Shut down the RWCU System with the Reactor at rated pressure	P/S
204.9	Maximize RWCU cooling to assist RPV pressure control per EOP-RP	P/S

2

Student's Name

SYSTEM 204 REACTOR WATER CLEANUP SYSTEM

204.1	Evaluator	P	Date
204.2	Evaluator	P	Date
204.3	Evaluator	P	Date
204.4	Evaluator	P	Date
204.5	Evaluator	P	Date
204.6	Evaluator	P	Date
204.7	Evaluator	P	Date
204.8	Evaluator	P/S	Date
204.9	Evaluator	P/S	Date

Knowledge Complete: _____ _____
OLT-10 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Complete: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 205 RESIDUAL HEAT REMOVAL SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK,ESK Drawings
B. NMPII Operating Procedures N2-OP-31
C. NMPII Licensed Operator Text RHR
D. NMPII Technical Specifications
E. NMPII Surveillance Test Procedures

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Residual Heat Removal System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-15

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

ITEM		ACTION CODE
205.1	Perform Control Panel Standby Condition Status Checks	P+
205.2	Discuss actions required for an automatic initiation of LPCI	D
205.3	Startup the RHR System in shutdown cooling mode, monitor for proper operation from the Control Room and shutdown	P
205.4	S/U Suppression Pool Cooling Mode, monitor for proper operation from the Control Room and shutdown	P
205.5	Manually initiate and shutdown the Containment/Drywell Spray Mode and monitored for proper operation from the Control Room	P/S
205.6	Manually initiate and shutdown the Suppression Pool Spray Mode and monitor for proper operation from the Control Room	P
205.7	Startup and shutdown the Steam Condensing Mode of RHR and monitor for proper operation from the Control Room	P
205.8	Start and shutdown RHR supplemental Fuel Pool Cooling Mode and monitor for proper operation from the Control Room	P/S+
205.9	Perform RPV/Containment Service Water Flooding from the Control Room	P/S
205.10	Throttle LPCI injection flow from the Control Room	P/S+
205.11	Control Reactor Water Level using RHR with RWCU isolated	P
205.12	Discuss precautions associated with the LPCI injection during emergency conditions from the Control Room	D
205.13	Perform RHR Suppression Pool Alternate fill from the Control Room	P/S

+Indicates tasks required to be performed/simulated in the Plant.

C. Practical Requirements

	ITEM	ACTION CODE	
205.14	Pump the Suppression Pool water to Radwaste	P/S	
205.15	Perform RHR Alternate Shutdown Cooling from the Control Room	P/S	
205.16	Perform the RHR keep fill pump, alternate RPV injection from the Control Room	P/S	2
205.17	Perform RHR emergency fill from the Control Room	P/S	

Student's Name

SYSTEM 205 RESIDUAL HEAT REMOVAL SYSTEM

205.1	Evaluator	P+	Date
205.2	Evaluator	D	Date
205.3	Evaluator	P	Date
205.4	Evaluator	P	Date
205.5	Evaluator	P/S	Date
205.6	Evaluator	P	Date
205.7	Evaluator	P	Date
205.8	Evaluator	P/S+	Date
205.9	Evaluator	P/S	Date
205.10	Evaluator	P/S	Date
205.11	Evaluator	P	Date
205.12	Evaluator	D	Date
205.13	Evaluator	P/S	Date
205.14	Evaluator	P/S	Date
205.15	Evaluator	P/S	Date
205.16	Evaluator	P/S	Date
205.17	Evaluator	P/S	Date

Knowledge Complete: _____ _____
OLT-15 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 206 HIGH PRESSURE CORE SPRAY

II. SYSTEM REFERENCES

A. NMPII FSK, LSK,ESK Drawings
B. NMPII Operating Procedures N2-OP-31
C. NMPII Licensed Operator Text CSH
D. NMPII Technical Specifications
E. NMPII Surveillance Test Procedures

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the High Pressure Core Spray System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-12

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE	
206.1	Return the HPCS System to standby after Automatic Initiation	P	
206.2	Manually initiate HPCS from the Control Room	P	
206.3	Monitor the Automatic Initiation of the HPCS System during a LOCA with normal power available and/or not available.	P	2
206.4	Inject water to the Vessel using the HPCS keep fill pump	P/S	

_____
Student's Name

SYSTEM 206 HIGH PRESSURE CORE SPRAY

206.1	_____ Evaluator	P	_____ Date
206.2	_____ Evaluator	P	_____ Date
206.3	_____ Evaluator	P	_____ Date
206.4	_____ Evaluator	P/S	_____ Date

Knowledge Complete: _____ Instructor Signature _____ Date
OLT-12

Task Complete: _____ Training Supervisor _____ Date

Task Qualified: _____ Department Supervisor _____ Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 208 REACTOR BUILDING CLOSED LOOP COOLING SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK,ESK Drawings
B. NMPII Operating Procedures N2-OP-13
C. NMPII Licensed Operator Text CCP
D. NMPII Surveillance Test Procedures

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Reactor Building Closed Cooling System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-58

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures. 2

C. Practical Requirements

	ITEM	ACTION CODE
208.1	Startup the RBCLC System from no pumps running and monitor for proper operation	P
208.2	Shift Operating RBCLC Pumps from the Control Room	P
208.3	Discuss actions to shift the Spent Fuel Pool Cooling Heat Exchangers from RBCLC Cooling to Service Water Cooling	D+
208.4	Discuss actions to shift RHR Pump Seal Coolers from RBCLC Cooling to Service Water Cooling	D+
208.5	Perform actions for a loss of all RBCLC Pumps from the Control Room	P
208.6	Restore RBCLC to DRS Unit coolers following automatic Isolation from the Control Room	P

+Indicates tasks required to be performed/simulated in the Plant.

Student's Name

SYSTEM 208 REACTOR BUILDING CLOSED LOOP COOLING

208.1	Evaluator	P	Date
208.2	Evaluator	P	Date
208.3	Evaluator	D+	Date
208.4	Evaluator	D+	Date
208.5	Evaluator	P	Date
208.6	Evaluator	P	Date

Knowledge Complete: _____ _____
OLT-58 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 209 LOW PRESSURE CORE SPRAY SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK,ESK Drawings
B. NMPII Operating Procedures N2-OP-32
C. NMPII Surveillance Test Procedures
D. NMPII Licensed Operator Text CSL
E. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Low Pressure Core Spray System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-14

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
209.1	Perform manual injection of LPCS from the Control Room.	P
209.2	Shutdown the LPCS System to Standby from the Control Room following Automatic Operation	P
209.3	Discuss actions to throttle LPCS Injection Flow into the vessel from the Control Room	D+
209.4	Monitor the automatic operation of the LPCS system from the Control Room	P
209.5	Inject water into the Vessel with the LPCS-A/keep fill pump	P/S

2

+Indicates tasks required to be performed/simulated in the Plant.

_____
Student's Name

SYSTEM 209 LOW PRESSURE CORE SPRAY SYSTEM

209.1	_____ Evaluator	P	_____ Date
209.2	_____ Evaluator	P	_____ Date
209.3	_____ Evaluator	D+	_____ Date
209.4	_____ Evaluator	P	_____ Date
209.5	_____ Evaluator	P/S	_____ Date

Knowledge Complete: _____ _____
OLT-14 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 211 STANDBY LIQUID CONTROL SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedure N2-OP-35
C. NMPII Surveillance Test Procedures
D. NMPII Technical Specifications
E. NMPII Licensed Operator Test - SLC

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Standby Liquid Control System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-34

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE	
211.1	Manually inject poison solution into the Reactor Vessel from the Control Room	P	
211.2	Monitor automatic initiation of SLC from the Control Room	P	
211.3	Shutdown from operating condition, the SLC System from the Control Room	P	
211.4	Inject boron utilizing a hydro pump locally	P/S+	
211.5	Shift the SLC System from inoperable to standby and monitor for proper operation	P/S	
211.6	Perform SLC Manual Initation Actuation Test N2-OSP-SLS-R001	P/S	2
211.7	Flood the RPV utilizing the SLC storage tank from the Control Room	P/S	

+Indicates tasks required to be performed/simulated in the Plant.

_____
Student's Name

SYSTEM 211 LIQUID POISON SYSTEM

211.1	_____ Evaluator	P	_____ Date
211.2	_____ Evaluator	P	_____ Date
211.3	_____ Evaluator	P	_____ Date
211.4	_____ Evaluator	P/S+	_____ Date
211.5	_____ Evaluator	P/S	_____ Date
211.6	_____ Evaluator	P/S	_____ Date
211.7	_____ Evaluator	P/S	_____ Date

Knowledge Complete: _____ _____
OLT-34 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 212 REACTOR PROTECTION SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-97
B. NMPII Licensed Operator Text - RPS
C. NMPII FSK, LSK, ESK Drawings
D. NMPII Surveillance Test Procedure
E. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Reactor Protection System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-35

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
212.1	Discuss procedure to Energize and Deenergize the RPS System	D+
212.2	Place a Reactor Protection channel in the tripped condition	P
212.3	Operate the Reactor Mode Switch during plant startup or shutdown	P
212.4	Shift the RPS bus to the alternate power supply	P
212.5	Conduct manual scram channel functional test (N2-OSP-RPS-M004)	P/S+
212.6	Perform manually functional test of the RPS Turbine Control Valve Closure (N2-OSP-RPS-M001)	P/S+
212.7	Perform monthly functional test of the RPS Turbine Stop Valve Closure logic (N2-OSP-RPS-M002)	P/S+
212.8	Perform the RPS Weekly Turbine Valve Cycling Test (N2-OSP-RPS-W001)	P/S+

2

+Indicates tasks required to be performed/simulated in the Plant.

_____
Student's Name

SYSTEM 212 REACTOR PROTECTION SYSTEM

212.1	_____ Evaluator	D+	_____ Date
212.2	_____ Evaluator	P	_____ Date
212.3	_____ Evaluator	P	_____ Date
212.4	_____ Evaluator	P	_____ Date
212.5	_____ Evaluator	P/S+	_____ Date
212.6	_____ Evaluator	P/S+	_____ Date
212.7	_____ Evaluator	P/S+	_____ Date
212.8	_____ Evaluator	P/S+	_____ Date

Knowledge Complete: _____ Instructor Signature _____ Date
OLT-35

Task Complete: _____ Training Supervisor _____ Date

Task Qualified: _____ Department Supervisor _____ Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 214 ROD POSITION INDICATION SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-96
B. NMPII Licensed Operator Text - RMC
C. NMPII FSK, LSK, ESK Drawings
D. NMPII Surveillance Test Procedure
E. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Rod Position Indication System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-31

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
214.1	Monitor the Rod Position Indication System	P
214.2	Demand a Control Rod Indication Print Out from Process Computer during a Rx S/U	P

_____
Student's Name

SYSTEM 214 ROD POSITION INDICATION SYSTEM

214.1 _____ P _____
Evaluator Date

214.2 _____ P _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-31 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 215 NUCLEAR INSTRUMENTATION SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-92
B. NMPII Licensed Operator Text - SRM, IRM, LPRM, APRM, TIP, RBM
C. NMPII FSK, LSK, ESK Drawings
D. NMPII Surveillance Test Procedure
E. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Nuclear Instrumentation System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-26
2. OLT-27
3. OLT-28
4. OLT-29
5. OLT-30
6. OLT-32

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures. 2

C. Practical Requirements

	ITEM	ACTION CODE
215.1	Perform line ups on the Nuclear Instrumentation System in the Control Room	P+
215.2	Operate the Nuclear Instrumentation System during Reactor startup	P
215.3	Place a Nuclear Instrumentation in or out of bypass	P
215.4	Operate the Nuclear Instrumentation System during Reactor shutdown	P
215.5	Locate Nuclear Instrumentation System power supplies	P+
215.6	Evaluate plant performance indications (PI)	P
215.7	Perform actions necessary when the RBM fails to Null	P
215.8	Discuss actions required for a failure of TIP Ball Valve to close following containment isolation	D
215.9	Perform SRM/IRM overlap check N2-OSP-NMS-SU001	P/S

2

+Indicates tasks required to be performed/simulated in the Plant.

_____
Student's Name

SYSTEM 215 NUCLEAR INSTRUMENTATION SYSTEM

215.1	_____ Evaluator	P+	_____ Date
215.2	_____ Evaluator	P	_____ Date
215.3	_____ Evaluator	P	_____ Date
215.4	_____ Evaluator	P	_____ Date
215.5	_____ Evaluator	P+	_____ Date
215.6	_____ Evaluator	P	_____ Date
215.7	_____ Evaluator	P	_____ Date
215.8	_____ Evaluator	D	_____ Date
215.9	_____ Evaluator	P/S	_____ Date

Knowledge Complete: _____ Instructor Signature _____ Date
OLT-26

Knowledge Complete: _____ Instructor Signature _____ Date
OLT-27

Knowledge Complete: _____ Instructor Signature _____ Date
OLT-28

Knowledge Complete: _____ Instructor Signature _____ Date
OLT-29

Knowledge Complete: _____ Instructor Signature _____ Date
OLT-30

Knowledge Complete: _____ Instructor Signature _____ Date
OLT-32

Task Complete: _____ Training Supervisor _____ Date

Task Qualified: _____ Department Supervisor _____ Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 217 REACTOR CORE ISOLATION COOLING SYSTEM (RCIC)

II. SYSTEM REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedure N2-OP-35
C. NMPII Licensed Operator Text - ICS
D. NMPII Surveillance Test Procedure
E. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Reactor Core Isolation Cooling System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-16

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
217.1	Line-up the RCIC System from the Control Room for standby from inoperable and monitor for proper operation	P
217.2	Perform a manual startup of the RCIC System from the Control Room	P/S
217.3	Manually initiate the RCIC System from the Control Room and monitor operation	P
217.4	Operate the RCIC System following an Automatic Initiation	P
217.5	Control RPV pressure using the RCIC System	P
217.6	Operate RCIC pump in the steam condensing mode	P
217.7	S/D RCIC System from the Control Room to Standby Condition	P
217.8	Shutdown the RCIC System from Standby to inoperable	P/S
217.9	Manually isolate the RCIC System from the Control Room	P
217.10	Reset the RCIC Turbine following mechanical overspeed or local manual trip from the Control Room	P

Student's Name

SYSTEM 217 REACTOR CORE ISOLATION COOLING SYSTEM

217.1	Evaluator	P	Date
217.2	Evaluator	P/S	Date
217.3	Evaluator	P	Date
217.4	Evaluator	P	Date
217.5	Evaluator	P	Date
217.6	Evaluator	P	Date
217.7	Evaluator	P	Date
217.8	Evaluator	P/S	Date
217.9	Evaluator	P	Date
217.10	Evaluator	P	Date

Knowledge Complete: _____ _____
OLT-16 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 218 AUTOMATIC DEPRESSURIZATION SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedure N2-OP-34
C. NMPII Licensed Operator Text - ADS
D. NMPII Surveillance Test Procedure
E. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Automatic Depressurization System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-13

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures. 2

C. Practical Requirements

ITEM		ACTION CODE
218.1	Manually initiate the ADS System and Monitor System while activated	P
218.2	Conduct ADS/SRV Manual Valve Operation and monitor indications	P
218.3	Attempt to close a stuck open Safety/Relief Valve	P/S
218.4	Monitor indications following auto initiation of ADS and perform a reset	P
218.5	Perform ADS manual inhibit functional test (N2-OSP-ADS-M001)	P/S+
218.6	Perform the monthly channel functional test of ADS automatic initiation time delay relays (N2-OSP-ADS-M002)	P/S+
218.7	Start up the ADS System to stand by and monitor indications	P/S 2

+Indicates tasks required to be performed/simulated in the Plant.

Student's Name

SYSTEM 218 AUTOMATIC DEPRESSURIZATION SYSTEM

218.1	Evaluator	P	Date
218.2	Evaluator	P	Date
218.3	Evaluator	P/S	Date
218.4	Evaluator	P	Date
218.5	Evaluator	P/S+	Date
218.6	Evaluator	P/S+	Date
218.7	Evaluator	P/S	Date

Knowledge Complete: _____ _____
OLT-13 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 221 CONTAINMENT ENTRY AND EXIT SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedure N2-OP-61A
C. NMPII Licensed Operator Text - PSC
D. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Containment Entry and Exit System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-91

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures. 2

C. Practical Requirements

ITEM		ACTION CODE
221.1	Operate the Personnel Entry Hatch/Air Lock	P/S+
221.2	Perform Containment Entry & Exit	P/S+

_____
Student's Name

SYSTEM 221 CONTAINMENT ENTRY AND EXIT SYSTEM

221.1 _____ P/S+ _____
Evaluator Date

221.2 _____ P/S+ _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-91 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 222 DRYWELL COOLING SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedure N2-OP-60
C. NMPII Licensed Operator Text - DRS
D. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Drywell Cooling System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-20

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures. 2

C. Practical Requirements

	ITEM	ACTION CODE
222.1	Place Drywell Cooling System in operation from the Control Room and monitor for proper operation	P
222.2	Operate the Drywell Cooling System with a LOCA signal present	P/S
222.3	Operate the Drywell Cooling System with a loss of RBCLC, and return to normal after RBCLC return	P/S
222.4	Secure the Drywell Cooling System	P/S
222.5	Operate the Drywell Cooling System in response to a high drywell temperature	P/S

2

Student's Name

SYSTEM 222 DRYWELL COOLING SYSTEM

222.1	Evaluator	P	Date
222.2	Evaluator	P/S	Date
222.3	Evaluator	P/S	Date
222.4	Evaluator	P/S	Date
222.5	Evaluator	P/S	Date

2

Knowledge Complete: _____ _____
OLT-20 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 223 CONTAINMENT SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedure 61A, 62, 81, 82, 83
C. NMPII Licensed Operator Text - PSC, ACC
D. NMPII Technical Specifications
E. NMPII Surveillance Test Procedures

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Containment System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-19
2. OLT-23

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures. 2

C. Practical Requirements

	ITEM	ACTION CODE
223.1	Conduct containment inerting from the Control Room	P/S
223.2	Transfer from High Flow N_2 Supply to Low Flow Makeup and Supply Makeup as necessary	P/S
223.3	Startup primary containment purge with air	P/S
223.4	Operate the Primary Containment System is response to a LOCA/High Drywell Pressure condition from the Control Room	P/S
223.5	Utilize the Primary Containment Purge System as a back-up to H_2 recombiners in response to a high H_2 concentration	P/S
223.6	Determine containment level indication using Containment Atmosphere Monitoring	P/S
223.7	Fill out the Containment Purge System Vent and Purge Log (N2-OSP-CPS-@001)	P/S+
223.8	Perform Cold Shutdown Primary Containment Penetration Test (N2-OSP-CNT-CS001)	P/S+
223.9	Startup and shutdown the Containment/Drywell Purge System from the Control Room	P/S
223.10	Rotate In-Service Nitrogen System equipment	P/S+
223.11	Raise Drywell Pressure/Suppression Chamber when a low pressure condition exists while deinerted	P/S
223.12	Perform a startup of the Hydrogen Recombiner from standby to operating monitor for proper operation, and shutdown to standby	P/S
223.13	Line-up the Containment Atmosphere Monitoring System for operation from the Control Room and monitor for proper operation	P/S+
223.14	Shutdown one division of Containment Atmosphere Monitoring	P/S+
223.15	Test Reactor Building isolation ventilation damper closure (N2-OSP-HVR-Q002)	P/S+
223.16	Conduct containment de-inerting	P/S

2

C. Practical Requirements

	ITEM	ACTION CODE	
223.17	Monitor the containment atmosphere following a LOCA	P/S	
223.18	Transfer nitrogen makeup supply from high flow to low flow	P/S	2
223.19	Respond to an electrical penetration low pressure	P/S	

+Indicates tasks required to be perfomred/simulated in the Plant.

Student's Name

SYSTEM 223 CONTAINMENT SYSTEM

223.1	Evaluator	P/S	Date
223.2	Evaluator	P/S	Date
223.3	Evaluator	P/S	Date
223.4	Evaluator	P/S	Date
223.5	Evaluator	P/S	Date
223.6	Evaluator	P/S	Date
223.7	Evaluator	P/S+	Date
223.8	Evaluator	P/S+	Date
223.9	Evaluator	P/S	Date
223.10	Evaluator	P/S+	Date
223.11	Evaluator	P/S	Date
223.12	Evaluator	P/S	Date
223.13	Evaluator	P/S+	Date
223.14	Evaluator	P/S+	Date
223.15	Evaluator	P/S+	Date
223.16	Evaluator	P/S	Date
223.17	Evaluator	P/S	Date

2

Student's Name

SYSTEM 223 CONTAINMENT SYSTEM

223.18 _____ P/S _____
Evaluator Date

223.19 _____ P/S _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-19 Instructor Signature Date

Knowledge Complete: _____ _____
OLT-23 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 224 PRIMARY CONTAINMENT ISOLATION SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedure N2-OP-83
C. NMPII Licensed Operator Text - PCIS
D. NMPII Technical Specifications
E. NMPII Surveillance Test Procedures

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Primary Containment Isolation System by attending the Operator Training lecture and satisfactorily completing a written examination on the following: | 2

1. OLT-21

B. Standards for Acceptable Task Performance | 2

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

C. Practical Requirements

ITEM		ACTION CODE
224.1	Manually isolate a selected system	P
224.2	Perform a manual PCIS isolation from the Control Room and reset	P/S
224.3	Perform Drywell Vacuum Breaker Operability Test (N2-OSP-ISC-M@002)	P/S+

+Indicates tasks required to be perfomred/simulated in the Plant.

_____
Student's Name

SYSTEM 224 PRIMARY CONTAINMENT ISOLATION SYSTEM

224.1 _____ P _____
Evaluator Date

224.2 _____ P/S _____
Evaluator Date

224.3 _____ P/S+ _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-21 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 226 SAFETY PARAMETER DISPLAY SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedure N2-OP-91B
C. NMPII Licensed Operator Text
D. NMPII Surveillance Test Procedures
E. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Safety Parameter Display System by attending the Operator Training lecture and satisfactorily completing a written examination on the following: | 2

1. OLT-37 | 2

B. Standards for Acceptable Task Performance | 2

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

C. Practical Requirements

	ITEM	ACTION CODE
226.1	Utilize the SPDS Computer and bring any desired display on the CRT Screen	P+
226.2	Discuss the color schème and legend of the SPDS	D+

+Indicates tasks required to be perfomred/simulated in the Plant.

_____
Student's Name

SYSTEM 224 PRIMARY CONTAINMENT ISOLATION SYSTEM

226.1 _____ P+ _____
Evaluator Date

226.2 _____ D+ _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-37 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 233 SPENT FUEL POOL COOLING SYSTEM

II. REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedure N2-OP-38
C. NMPII Licensed Operator Text - SFP
D. NMPII Technical Specifications
E. NMPII Surveillance Test Procedures

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Spent Fuel Pool Cooling System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-1

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
233.1	Lineup the Fuel Pool Cooling and Clean Up System from the Control Room	P
233.2	Lineup the system to the Internal Storage Pit and Reactor cavity	P/S+
233.3	Start a second pump for additional cooling	P/S
233.4	Rotate in-service SFC pumps	P/S
233.5	Rotate in-service SFC Heat Exchangers	P/S
233.6	Lineup the Spent Fuel Pool Cooling System for RHR Cooling and return to normal	P/S+
233.7	Makeup with Service Water to the Fuel Pool	P/S+
233.8	Pump down the Internal Pit and Reactor Cavity	P/S+
233.9	Provide proper response to SFC off-line Rad Monitor Alarm	P/S+

2

+Indicates tasks required to be performed/simulated in the Plant.

Student's Name

SYSTEM 233 SPENT FUEL POOL COOLING SYSTEM

233.1	Evaluator	P	Date
233.2	Evaluator	P/S+	Date
233.3	Evaluator	P/S	Date
233.4	Evaluator	P/S	Date
233.5	Evaluator	P/S	Date
233.6	Evaluator	P/S+	Date
233.7	Evaluator	P/S+	Date
233.8	Evaluator	P/S+	Date
233.9	Evaluator	P/S+	Date

Knowledge Complete: _____ _____
OLT-1 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 234 FUEL HANDLING EQUIPMENT

II. REFERENCES

A. NMPII Operating Procedure N2-OP-39
B. NMPII Licensed Operator Text - FHE
C. NMPII FSK, LSK, ESK Drawings

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Fuel Handling Equipment by attending the Operator Training lecture and satisfactorily completing a written examination on the followimg:

1. OLT-2

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
234-1.	Operate the actuating pole	P/S+
234.2	Perform required bridge and grapple pre-operation test/checks	P/S+
234.3	Connect and disconnect the local underwater light	P/S+
234.4	Change position of fuel assembly or dummy bundle within fuel rod	P/S+
234.5	Operate the Fuel Handling Bridge Auxiliary Crane	P/S+
234.6	Channel/dechannel fuel bundles with fuel prep. machine	P/S+
234.7	Transfer fuel to/from Reactor to/from Spent Fuel Pool	P/S+
234.8	Operate the General Purpose Grapple	P/S+
234.9	Operate the Underwater Vacuum Cleaner	P/S+
234.10	Operate the Clamshell Retriever	P/S+
234.11	Operate the Manipulator Grapple	P/S+
234.12	Operate the Channel Transfer Grapple	P/S+
234.13	Operate the Control Rod Guide Tube Grapple	P/S+
234.14	Operate the Peripheral Orifice Grapple	P/S+
234.15	Insert/remove a Blade Guide	P/S+
234.16	Clean a Fuel Bail Handle	P/S+
234.17	Operate the Fuel Bundle Sampler	P/S+
234.18	Operate the Fuel Support Grapple	P/S+
234.19	Energize the Refuel Platform	P/S+
234.20	Place the Fuel Handling Grapple in the stored position	P/S+
234.21	Perform the Refueling Platform Cutoff and Interlock Operability Test (N2-OSP-FNR-@001)	P/S+

+Indicates tasks required to be performed/simulated in the plant.

Student's Name

SYSTEM 234 FUEL HANDLING EQUIPMENT

234.1	Evaluator	P/S+	Date
234.2	Evaluator	P/S+	Date
234.3	Evaluator	P/S+	Date
234.4	Evaluator	P/S+	Date
234.5	Evaluator	P/S+	Date
234.6	Evaluator	P/S+	Date
234.7	Evaluator	P/S+	Date
234.8	Evaluator	P/S+	Date
234.9	Evaluator	P/S+	Date
234.10	Evaluator	P/S+	Date
234.11	Evaluator	P/S+	Date
234.12	Evaluator	P/S+	Date
234.13	Evaluator	P/S+	Date
234.14	Evaluator	P/S+	Date
234.15	Evaluator	P/S+	Date
234.16	Evaluator	P/S+	Date
234.17	Evaluator	P/S+	Date
234.18	Evaluator	P/S+	Date
234.19	Evaluator	P/S+	Date

_____
Student's Name

SYSTEM 234 FUEL HANDLING EQUIPMENT

234.20 _____ P/S+ _____
Evaluator Date

234.21 _____ P/S+ _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-2 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 239 MAIN STEAM SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-1,2
B. NMPII Surveillance Test procedures
C. NMPII FSK, ESK, LSK Drawings
D. NMPII Licensed Operator Text - MSS
E. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Main Steam System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-38

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE	
239.1	Perform Lineups and startup the Main Steam System from Control Room	P	
239.2	Perform and MSIV Slow Closure	P	
239.3	Startup the Moisture Separator Reheater System from the Control Room	P	
239.4	Open the MSIV's with the Reactor Pressurizer	P	
239.5	Operate with one steam line isolated	P	
239.6	Prepare a MSIV for stroking during shutdown	P/S+	
239.7	Shutdown the Main Steam System	P	
239.8	Shutdown the Moisture Separator Reheater System from the Control Room	P/S	
239.9	Emergency Depressurize the Reactor using the Main Steam Lines	P/S	
239.10	Backfill the MSL between the MSIV's	P/S+	
239.11	Perform MSIV RPS Test (N2-OSP-MSS-M001)	P/S+	
239.12	Perform MSIV Operability Test (N2-OSP-MSS-CS001)	P/S+	
239.13	Remove from and Return to Service the Reheaters at Turbine Loads greater than 29%	P/S	
239.14	Return the Reheaters to Service with the Main Turbine on line and scavenging steam inoperable	P/S	
239.15	Perform MSIV fast closure test	P/S	2
239.16	Monitor the Main Steam System during normal operation	P	

+Indicates tasks required to be performed/simulated in the Plant.

Student's Name

SYSTEM 239 MAIN STEAM SYSTEM

239.1	Evaluator	P	Date
239.2	Evaluator	P	Date
239.3	Evaluator	P	Date
239.4	Evaluator	P	Date
239.5	Evaluator	P	Date
239.6	Evaluator	P/S+	Date
239.7	Evaluator	P	Date
239.8	Evaluator	P/S	Date
239.9	Evaluator	P/S	Date
239.10	Evaluator	P/S+	Date
239.11	Evaluator	P/S+	Date
239.12	Evaluator	P/S+	Date
239.13	Evaluator	P/S	Date
239.14	Evaluator	P/S	Date
239.15	Evaluator	P/S	Date
239.16	Evaluator	P	Date

Knowledge Complete: _____ _____
OLT-38 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 242 AUXILIARY STEAM SYSTEM

II. SYSTEM REFERENCES

A. NMPII - FSK, LSK, ESK Drawings
B. NMPII - Operating Procedures N2-OP-9
C. NMPII - Licensed Operator Text - ASS

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Auxiliary Steam System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-39

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

ITEM		ACTION CODE
242.1	Lineup Steam Jet Air Ejector for Operation	P
242.2	Monitor Steam Jet Air Ejector operation from Control Room	P

_____
Student's Name

SYSTEM 242 LOW PRESSURE (AUXILIARY) STEAM SYSTEM

242.1 _____ P _____
Evaluator Date

242.2 _____ P _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-39 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 243 EXTRACTION STEAM SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedures N2-OP-8
B. NMPII FSK, LSK, ESK Drawings
C. NMPII Licensed Operator Text - FWH

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Extraction Steam System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-40

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
243.1	Perform a startup of the feedheaters and extraction steam	P/S
243.2	Monitor the Feedwater and Extraction Steam System operation from the Control Room	P
243.3	Startup and place the fourth point heater drain pumps in service and the level controllers in automatic	P
243.4	Shutdown the Feedheater and Extraction Steam System	P/S
243.5	Remove an L.P. Feedwater Heater String from service	P
243.6	Remove a sixth point feedwater heater from service	P
243.7	Perform actions necessary for a loss of feedwater heating	P

Student's Name

SYSTEM 243 EXTRACTION STEAM SYSTEM

243.1	Evaluator	P/S	Date
243.2	Evaluator	P	Date
243.3	Evaluator	P	Date
243.4	Evaluator	P/S	Date
243.5	Evaluator	P	Date
243.6	Evaluator	P	Date
243.7	Evaluator	P	Date

Knowledge Complete: _____ _____
OLT-40 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 245 MAIN TURBINE GENERATOR

II. SYSTEM REFERENCES

A. NMPII Licensed Operator Text - MGE, TMS, LOS
B. NMPII Operating procedure - N2-OP-21, 22a, 23, 68, 101A, B, C
C. NMPII Turbine Generator Techical Manual
D. NMPII FSK, LSK, ESK Drawings
E. NMPII Surveillance Test Procedures

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Main Turbine Generator System by attending the Operator Training lecture and satisfactorily completing a written examination on the system.

1. OLT-42
2. OLT-43
3. OLT-44
4. OLT-46
5. OLT-66

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE	
245.1	Perform actions for a Generator Core Monitor Alarm	P	
245.2	Startup the turbine to rated speed and monitor for proper operation from the Control Room	P	
245.3	Perform Overspeed Trip Test (CKT only) from the Control Room	P	
245.4	Startup the generator electrically from the Control Room, synchronize to grid, and load generator from the Control Room	P	
245.5	Shutdown the Main Generator (electrically) from the Control Room	P	
245.6	Perform Overspeed Trip Test (Actual)	P/S	
245.7	Shutdown the Turbine Generator (locally mechanically)	P/S+	
245.8	Perform Back-up Overspeed Trip Test (Actual)	P/S	
245.9	Perform actions required on a Turbine Trip from the Control Room	P	
245.10	Shutdown the Main Turbine	P	
245.11	Perform the actions required for a generator core monitor alarm	P/S	2

+Indicates tasks required to be performed/simulated in the plant.

Student's Name

SYSTEM 245 MAIN TURBINE GENERATOR

245.1	Evaluator	P	Date
245.2	Evaluator	P	Date
245.3	Evaluator	P	Date
245.4	Evaluator	P	Date
245.5	Evaluator	P	Date
245.6	Evaluator	P/S	Date
245.7	Evaluator	P/S+	Date
245.8	Evaluator	P/S	Date
245.9	Evaluator	P	Date
245.10	Evaluator	P	Date
245.11	Evaluator	P/S	Date

_____
Student's Name

SYSTEM 245 MAIN TURBINE GENERATOR

Knowledge Complete: _____ Instructor Signature Date
OLT-42

Knowledge Complete: _____ Instructor Signature Date
OLT-43

Knowledge Complete: _____ Instructor Signature Date
OLT-44

Knowledge Complete: _____ Instructor Signature Date
OLT-46

Knowledge Complete: _____ Instructor Signature Date
OLT-66

Task Complete: _____ Training Supervisor _____ Date

Task Qualified: _____ Department Supervisor _____ Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 246 MAIN TURBINE STEAM SEAL SYSTEM

II. SYSTEM REFERENCES

A. NMPII Licensed Operator Text - TME
B. NMPII Operating Procedure N2-OP-25
C. NMPII FSK, LSK, ESK Drawings

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Main Turbine Steam Seal System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-41

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures. 2

C. Practical Requirements

	ITEM	ACTION CODE
246.1	Startup the Turbine Steam Seal System on Reboiler Steam Supply and monitor for normal operation	P
246.2	Startup the Reboiler and monitor for proper operation	P/S
246.3	Shutdown a Reboiler	P/S
246.4	Shutdown Gland Seal from the Control Room	P/S
246.5	Shift Gland Seal Supply from Main Steam to Reboiler Steam	P/S
246.6	Shift Gland Seal Supply from Reboiler Steam to Main Steam	P/S

Student's Name _____

SYSTEM 246 MAIN TURBINE STEAM SEAL SYSTEM

246.1	Evaluator	P	Date
246.2	Evaluator	P/S	Date
246.3	Evaluator	P/S	Date
246.4	Evaluator	P/S	Date
246.5	Evaluator	P/S	Date
246.6	Evaluator	P/S	Date

Knowledge Complete: _____ _____
OLT-41 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 247 MAIN LUBE OIL SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-22A, 22B
B. NMPII Turbine Generator Technical Manual
C. NMPII Licensed Operator Text - LOS
D. NMPII FSK, LSK, ESK Drawings

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Main Lube Oil System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-42
2. OLT-43

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures. 2

C. Practical Requirements

	ITEM	ACTION CODE	
247.1	Place the Main Turbine on the turning gear and monitor for proper operation	P	
247.2	Secure the Main Turbine Lube Oil System from the Control Room	P/S	
247.3	Operate the Main Lube Oil System without the Lube Oil Conditioners	P/S+	
247.4	Perform actions for Lube Oil Temperature Abnormal from the Control Room	P/S	
247.5	Control TBCLCW flow to heat exchanger manually	P/S	2

+Indicates tasks required to be performed/simulated in the Plant.

_____
Student's Name

SYSTEM 247 MAIN LUBE OIL SYSTEM

247.1	_____ Evaluator	P	_____ Date
247.2	_____ Evaluator	P/S	_____ Date
247.3	_____ Evaluator	P/S+	_____ Date
247.4	_____ Evaluator	P/S	_____ Date
247.5	_____ Evaluator	P/S	_____ Date

Knowledge Complete: _____ _____
OLT-42 Instructor Signature Date

Knowledge Complete: _____ _____
OLT-43 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 248 MAIN TURBINE EHC SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-23
B. NMPII Licensed Operator Text - EHC
C. NMPII Turbine - Generator Technical Manual
D. NMPII FSK, LSK, ESK Drawings

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Main Turbine EHC System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-44

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE	
248.1	Shift control of EHC Pressure Regulators	P/S+	
248.2	Startup EHC Electrical System	P/S+	
248.3	Manually trip the Turbine from the front standard	P/S	2
248.4	Startup the EHC Hydraulic Power Units from the Control Room	P/S	
248.5	Operate the Turbine overspeed test mechanism	P/S	

+Indicates tasks required to be performed/simulated in the Plant.

_____
Student's Name

SYSTEM 248 MAIN TURBINE EHC SYSTEM

248.1	_____ Evaluator	P/S+	_____ Date
248.2	_____ Evaluator	P/S+	_____ Date
248.3	_____ Evaluator	P/S	_____ Date
248.4	_____ Evaluator	P/S	_____ Date
248.5	_____ Evaluator	P/S	_____ Date

2

Knowledge Complete: _____ Instructor Signature _____ Date
OLT-44

Task Complete: _____ Training Supervisor _____ Date

Task Qualified: _____ Department Supervisor _____ Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 250 SEAL OIL SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-22D
B. NMPII Licensed Operator Text - LOS
C. NMPII Turbine - Generator Technical Manual
D. NMPII FSK, ESK, LSK Drawings

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Seal Oil System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-43

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures. 2

C. Practical Requirements

	ITEM	ACTION CODE
250.1	Startup the Seal Oil System from the Control Room and monitor operation	P
250.2	Isolate the Seal Oil Vacuum Tank and Return to Service	P/S+
250.3	Shutdown the Seal Oil System with no gas pressure and Turbine on turning gear	P/S
250.4	Perform actions required during loss of Seal Oil	P/S

+Indicates tasks required to be performed/simulated in the Plant.

Student's Name

SYSTEM 250 SEAL OIL SYSTEM

250.1	Evaluator	P	Date
250.2	Evaluator	P/S+	Date
250.3	Evaluator	P/S	Date
250.4	Evaluator	P/S	Date

Knowledge Complete: _____ _____
OLT-43 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 252 GENERATOR H_2 AND CO_2 SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-27
B. NMPII Licensed Operator Text - GMH
C. NMPII FSK, LSK, ESK Drawings
D. NMPII Turbine Generator Technical Manual

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Generator H_2 and CO_2 System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-47

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

ITEM		ACTION CODE
252.1	Operate the Generator H_2 System during a loss of Seal Oil pressure	P/S

_____
Student's Name

SYSTEM 252 GENERATOR H_2 AND CO_2 SYSTEM

252.1 _____ P/S _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-47 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 253 STATOR WATER COOLING SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-26, N2-OP-68
B. NMPII Licensed Operator Text - GMC
C. NMPII Turbine Generator Technical Manual
D. NMPII FSK, LSK, ESK Drawings

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Stator Water Cooling System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-45

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
253.1	Take actions for a partial loss of Stator Cooling Water Flow	P/S
253.2	Take actions for a total loss of Stator Cooling Water Flow	P/S
253.3	Shift the Stator Cooling Water Pumps from the Control Room	P/S
253.4	Perform the actions required for a leak in the Stator Water Cooler	P/S
253.5	Perform the actions required during a loss of Stator Cooling Water with armature current greater than 7006 amps	P/S
253.6	Startup the Stator Water Cooling System	P/S 2

Student's Name

SYSTEM 253 STATOR WATER COOLING SYSTEM

253.1	Evaluator	P/S	Date
253.2	Evaluator	P/S	Date
253.3	Evaluator	P/S	Date
253.4	Evaluator	P/S	Date
253.5	Evaluator	P/S	Date
253.6	Evaluator	P/S	Date

Knowledge Complete: _____ _____
OLT-45 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 254 GENERATOR BUS DUCT COOLING SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedure N2-OP-24
C. NMPII Licensed Operator Text - MGE

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Stator Generator Bus Duct Cooling System by attending the Operator Training lectureand satisfactorily completing a written examination on the following:

1. OLT-46

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

ITEM		ACTION CODE
254.1	Perform actions for a loss of both Bus Duct Cooling Fans	P

Student's Name

SYSTEM 253 STATOR WATER COOLING SYSTEM

254.1 _____ P _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-46 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 255 CONDENSER AIR REMOVAL SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-9
B. NMPII Licensed oeprator Text - OFG
C. NMPII FSK, LSK, ESK Drawings
D. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Condenser Air Removal System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-52

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
255.1	Use the SJAE with Aux Boiler Steam	P/S+
255.2	Start and operate the Mechanical Vacuum Pump(s) from the Control Room	P
255.3	Shutdown the Condenser Air Removal System from the Control Room	P

+Indicates tasks required to be performed/simulated in the plant.

_____
Student's Name

SYSTEM 255 CONDENSER AIR REMOVAL SYSTEM

255.1 _____ P/S+ _____
Evaluator Date

255.2 _____ P _____
Evaluator Date

255.3 _____ P _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-52 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 256 CONDENSATE SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-3, 4, 101A, B, C
B. NMPII Licensed Operator Text - CNM, CNS
C. NMPII FSK, LSK, ESK Drawings

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Condensate System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-49
2. OLT-50

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE	
256.1	Perform Condensate Pump Startup/Cleanup Operation from the Control Room	P	
256.2	Perform Booster Pump Startup from the Control Room	P	
256.3	Perform System Periodic Performance Checks	P	
256.4	Deleted - NST#7		2
256.5	Start the third Condensate and Condensate Booster Pump	P/S	
256.6	Shutdown the Condensate System from the Control Room	P	
256.7	Operate the Low Pressure Feedwater Heaters	P/S	
256.8	Restore Condensate System after Main Turbine Trip at Power	P	
256.9	Perform actions for a Hotwell Level High/Low	P	
256.10	Restore Condensate System after Turbine Trip at power	P/S	2

_____
Student's Name

SYSTEM 256 CONDENSATE SYSTEM

256.1	_____ Evaluator	P	_____ Date
256.2	_____ Evaluator	P	_____ Date
256.3	_____ Evaluator	P	_____ Date
256.5	_____ Evaluator	P/S	_____ Date
256.6	_____ Evaluator	P	_____ Date
256.7	_____ Evaluator	P/S	_____ Date
256.8	_____ Evaluator	P	_____ Date
256.9	_____ Evaluator	P	_____ Date
256.10	_____ Evaluator	P/S	_____ Date

2

Knowledge Complete: _____ _____
OLT-49 Instructor Signature Date

Knowledge Complete: _____ _____
OLT-50 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 259 REACTOR FEEDWATER SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-3, 4, 101A, B, C
B. NMPII Licensed Operator Text - FWS, FWC
C. NMPII FSK, LSK, ESK Drawings
D. NMPII Technical Specifications
E. NMPII Surveillance Test Procedures

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Reactor Feedwater System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-53
2. OLT-54

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE	
259.1	Perform Lineups on the Reactor Feedwater System to the Reactor from the Control Room	P	
259.2	Start a Reactor Feedwater Pump from the Control Room	P	
259.3	Perform periodic system performance checks in the Control Room	P	
259.4	Perform Single Feed Pump Operation and Second Pump Start	P/S	
259.5	Place Feedwater Control in Automatic	P	
259.6	Startup the Standby Feedwater Pump from the Control Room	P	
259.7	Secure a Reactor Feedwater Pump from the Control Room	P	
259.8	Secure the Reactor Feedwater System from the Control Room	P	
259.9	Perform the required actions for a loss of Feedwater or Feedwater System Failure	P	
259.10	Reset a Level Setpoint Setdown	P	
259.11	Operate the Feed Pumps following a Turbine Trip	P	
259.12	Respond to a Feed Pump high vibration	P/S	2

+Indicates tasks required to be performed/simulated in the Plant.

Student's Name

SYSTEM 259 REACTOR FEEDWATER SYSTEM

259.1	Evaluator	P	Date
259.2	Evaluator	P	Date
259.3	Evaluator	P	Date
259.4	Evaluator	P/S	Date
259.5	Evaluator	P	Date
259.6	Evaluator	P	Date
259.7	Evaluator	P	Date
259.8	Evaluator	P	Date
259.9	Evaluator	P	Date
259.10	Evaluator	P	Date
259.11	Evaluator	P	Date
259.12	Evaluator	P/S	Date

2

Knowledge Complete: _____ _____
OLT-53 Instructor Signature Date

Knowledge Complete: _____ _____
OLT-54 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 260 FEEDWATER HEATER VENT & DRAIN SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-8, 101A, B, C
B. NMPII Licensed Operator Text -FWH
C. NMPII FSK, LSK, ESK Drawings

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Feedwater Heater Vent & Drain System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-40

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

ITEM		ACTION CODE
260.1	Perform Lineups on the Feedwater Heater Vent and Drain System from the Control Room	P
260.2	Startup the Feedwater Heater Vent and Drain System from the Control Room	P
260.3	Start a Heater Drain Pump from the Control Room	P
260.4	Monitor Feedwater Heater Vent & Drain System Operation from the Control Room	P
260.5	Shutdown the Feedwater Heater Vent & Drain System from the Control Room	P
260.6	Remove a L.P. Feedwater Heater String from service from the Control Room	P/S
260.7	Stop a 4th Point Feed Heater Pump from the Control Room	P
260.8	Remove a 6th Point Feed Heater from service from the Control Room	P/S
260.9	Perform actions necessary during a loss of Feedwater Heating from the Control Room	P/S

_____
Student's Name

SYSTEM 260 FEEDWATER HEATER VENT & DRAIN SYSTEM

260.1	_____ Evaluator	P	_____ Date
260.2	_____ Evaluator	P	_____ Date
260.3	_____ Evaluator	P	_____ Date
260.4	_____ Evaluator	P	_____ Date
260.5	_____ Evaluator	P	_____ Date
260.6	_____ Evaluator	P/S	_____ Date
260.7	_____ Evaluator	P	_____ Date
260.8	_____ Evaluator	P/S	_____ Date
260.9	_____ Evaluator	P/S	_____ Date

Knowledge Complete: _____ _____
OLT-40 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 261 STANDBY GAS TREATMENT SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-61B
B. NMPII Licensed Operator Text - GTS
C. NMPII FSK, LSK, ESK Drawings
D. NMPII Surveillance Test Procedures
E. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Standby Gas Treatment System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-24

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE	
261.1	Place Standby Gas Treatment System in service manually with suction from HVR from the Control Room	P	
261.2	Shutdown both Standby Gas Treatment System Trains from the Control Room - following auto initiation	P	
262.3	Perform actions required for SGTS charcoal filter high temperature	P+	2
262.4	Discuss actions required for Off Normal SBGTS Events	D+	

+Indicates tasks required to be performed/simulated in the Plant.

Student's Name

SYSTEM 261 STANDBY GAS TREATMENT SYSTEM

261.1	Evaluator	P	Date
261.2	Evaluator	P	Date
261.3	Evaluator	P+	Date
261.4	Evaluator	D+	Date

Knowledge Complete: _____ _____
OLT-24 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 262 AC ELECTRICAL DISTRIBUTION SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-68, 70, 71, 72
B. NMPII Licensed Operator Text - NORM AC, EJS, ENS
C. NMPII FSK, LSK, ESK Drawings
D. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the AC Electrical Distribution System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-66
2. OLT-67

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

ITEM		ACTION CODE
262.1	Manually operate Elect. Disconnect Switches	P/S+
262.2	Energize a 13.8 KV Bus	P
262.3	Transfer station service from reserve to normal and back to reserve from the Control Room	P/S
262.4	Place a 115 KV Bus in service from the Control Room	P
262.5	Transfer an Emergency Bus Normal Feed from Reserve Station Transformer 1A to 1B and Return to Normal	P
262.6	Place a UPS in service from a de-energized condition	P/S+
262.7	Transfer the load from UPS to the Maintenance Source and shutdown the UPS	P/S+
262.8	Remove the Maintenance Supply to UPS 3A/3B with the UPS supplying the critical load	S/P+
262.9	Re-energize the Stub Buses following a loss of off-site power	P
262.10	Perform actions required for a Transformer High Temperature	P/S
262.11	Remove and Return the #5 or #6 line from Service	P

+Indicates tasks required to be performed/simulated in the Plant.

_____
Student's Name

SYSTEM 262 AC ELECTRICAL DISTRIBUTION SYSTEM

262.1	_____ Evaluator	P/S+	_____ Date
262.2	_____ Evaluator	P	_____ Date
262.3	_____ Evaluator	P/S	_____ Date
252.4	_____ Evaluator	P	_____ Date
262.5	_____ Evaluator	P	_____ Date
262.6	_____ Evaluator	P/S+	_____ Date
262.7	_____ Evaluator	P/S+	_____ Date
262.8	_____ Evaluator	S/P+	_____ Date
262.9	_____ Evaluator	P	_____ Date
262.10	_____ Evaluator	P/S	_____ Date
262.11	_____ Evaluator	P	_____ Date

Knowledge Complete: _____ _____
OLT-66 Instructor Signature Date

Knowledge Complete: _____ _____
OLT-67 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 263 DC ELECTRICAL DISTRIBUTION SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedures N2-OP-73A, 73B, 74A, 74B
B. NMPII Licensed Operator Text - BYS/BWS
C. NMPII Technical Specifications
D. NMPII FSK, LSK, ESK Drawings

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the DC Electrical Distribution System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-68

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE	
263.1	Check the DC Electrical Distribution System for grounds	P	
263.2	Discuss ground isolation	D+	
263.3	Shift Battery Charger	P/S	2

_____
Student's Name

SYSTEM 263 DC ELECTRICAL DISTRIBUTION SYSTEM

263.1	_____ Evaluator	P	_____ Date
263.2	_____ Evaluator	D+	_____ Date
263.3	_____ Evaluator	P/S	_____ Date

Knowledge Complete: _____ _____
OLT-68 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 264 EMERGENCY DIESEL GENERATOR SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-100A, 100B
B. NMPII Licensed operator Text - EGD, EGS
C. NMPII TechnicalSpecification
D. NMPII FSK, LSK, ESK Drawings
E. NMPII Surveillance Test Procedures

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Emergency Diesel Generator System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-17
2. OLT-18

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
264.1	Perform a manual start of an emergency diesel and parallel to the bus from the Main Control Room	P
264.2	Perform Diesel Generator shutdown in the parallel mode of operation	P/S
264.3	Perform HPCS Diesel Generator shutdown during Isolated Bus Conditions from P852	P/S

_____
Student's Name

SYSTEM 264 EMERGENCY DIESEL GENERATOR SYSTEM

264.1	_____ Evaluator	P	_____ Date
264.2	_____ Evaluator	P/S	_____ Date
264.3	_____ Evaluator	P/S	_____ Date

Knowledge Complete: _____ _____
OLT-17 Instructor Signature Date

Knowledge Complete: _____ _____
OLT-18 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 271 OFF-GAS SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-42
B. NMPII Licensed Operator Text - OFG
C. NMPII Technical Specifications
D. NMPII FSK, LSK, ESK Drawings
E. NMPII Surveillance Test Procedures

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Off-Gas System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-52

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
271.1	Perform actions for an Off-Gas Hydrogen Explosion	P/S
271.2	Perform actions for a fire in the Charcoal Adsorbers of the Off-Gas System	P/S+

+Indicates tasks required to be performed/simulated in the Plant.

_____
Student's Name

SYSTEM 271 OFF-GAS SYSTEM

271.1 _____ P/S _____
Evaluator Date

271.2 _____ P/S+ _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-52 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 272 RADIATION MONITORING SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-79
B. NMPII Licensed Operator Text - RMS
C. NMPII FSK, LSK, ESK Drawings
D. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Radiation Monitoring System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-62

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
272.1	Operate the Area Rad Monitor System	P/S+
272.2	Monitor Area Rad Monitoring System	P/S+
272.3	Perform Refueling Floor Exhaust Monitor Functional Test	P/S+

+Indicates tasks required to be performed/simulated in the Plant.

Student's Name

SYSTEM 272 RADIATION MONITORING SYSTEM

272.1	Evaluator	P/S+	Date
272.2	Evaluator	P/S+	Date
272.3	Evaluator	P/S+	Date

Knowledge Complete: _____ _____
OLT-62 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 273 METEOROLOGICAL MONITORING SYSTEM

II. REFERENCES

A. NMPII Operating Procedure N2-OP-102
B. NMPII Licensed Operator Text - OLT-MMS
C. NMPII FSK, LSK, ESK Drawings

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Meteorological Monitoring System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-61

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures. 2

C. Practical Requirements

	ITEM	ACTION CODE
273.1	Perform the duties of CSO when a Tornado Warning/ALERT exists	P/S
273.2	Perform the duties of CSO when heavy snowfall is expected	P/S

Student's Name

SYSTEM 273 METEOROLOGICAL MONITORING SYSTEM

273.1 _____ P/S _____
Evaluator Date

273.2 _____ P/S _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-61 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 274 TURBINE BUILDING CLOSED LOOP COOLING SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-14
B. NMPII Licensed Operator Text - CCS
C. MMPII FSK, LSK, ESK Drawings

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Turbine Building Closed Loop Cooling System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-59

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
274.1	Startup the TBCLC System and monitor for proper Operation	P
274.2	Shutdown the TBCLC System	P/S
274.3	Perform the actions required for a loss of all TBCLCW	P/S
274.4	Perform actions required for a High CCS Temperature	P/S

Student's Name

SYSTEM 274 TURBINE BUILDING CLOSED LOOP COOLING SYSTEM

274.1	Evaluator	P	Date
274.2	Evaluator	P/S	Date
274.3	Evaluator	P/S	Date
274.4	Evaluator	P/S	Date

Knowledge Complete: _____ _____
OLT-59 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 275 CIRCULATING WATER SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-10A
B. NMPII Licensed Operator Text - CWS
C. NMPI FSK, LSK, ESK Drawings

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Circulating Water System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-56

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
275.1	Startup the Circulating Water System in any mode from the Control Room and monitor for proper operation in all modes	P
275.2	Monitor the Cooling Tower in any mode of Operation Locally	P/S+
275.3	Shutdown the Circulating Water System from Control Room	P/S
275.4	Perform actions required for a Circulating Water Pump Trip	P

+Indicates tasks required to be performed/simulated in the Plant.

_____
Student's Name

SYSTEM 275 CIRCULATING WATER SYSTEM

275.1	_____ Evaluator	P	_____ Date
275.2	_____ Evaluator	P/S+	_____ Date
275.3	_____ Evaluator	P/S	_____ Date
275.4	_____ Evaluator	P	_____ Date

Knowledge Complete: _____ _____
OLT-56 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 276 SERVICE WATER SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procdure N2-OP-11
B. NMPII Licensed Operator Text - SWP
C. NMPII FSK, LSK, ESK Drawings
D. NMPII Surveillance Test Procedures
E. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Service Water System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-57

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
276.1	Start up from full Shutdown, the Service Water System from the Control Room and monitor for proper operation	P/S
276.2	Reverse flow through either #1 or #2 Intake Shaft	P/S+
276.3	Perform actions required during a loss of all service water pumps	P
276.4	Operate the Service Water System from the Control Room during a total loss of off-site power	P/S
276.5	Operate the Service Water System from the Control Room during a loss of one Division of off-site power	P/S
276.6	Perform Service Water Valve Operability Test (N2-OSP-SWP-Q001)	P/S+

_____
Student's Name

SYSTEM 276 SERVICE WATER SYSTEM

276.1	_____ Evaluator	P/S	_____ Date
276.2	_____ Evaluator	P/S+	_____ Date
276.3	_____ Evaluator	P	_____ Date
276.4	_____ Evaluator	P/S	_____ Date
276.5	_____ Evaluator	P/S	_____ Date
276.6	_____ Evaluator	P/S+	_____ Date

nowledge Complete: _____ _____
OLT-57 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 277 LOOSE PARTS MONITORING SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating procedure N2-OP-56
B. NMPII Licensed Operator Text - Loose Parts Monitor System
C. NMPII FSK, LSK, ESK Drawings
D. NMPII Surveillance Test Procedures

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Loose Parts Monitoring System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-77

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

ITEM		ACTION CODE
277.1	Perform actions required for a seismic event	P/S+

+Indicates tasks required to be performed/simulated in the Plant.

_____
Student's Name

SYSTEM 277 LOOSE PARTS MONITORING SYSTEM

277.1 _____ P/S+ _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-77 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 278 INSTRUMENT AND SERVICE AIR SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating procedure N2-OP-19
B. NMPII Licensed Operator Text - IAS/SAS
C. NMPII FSK, LSK, ESK Drawings
D. NMPII Surveillance Test Procedures

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Instrument and Service Air System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-60

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
278.1	Monitor Instrument Air System from the Control Room	P
278.2	Perform actions required during a loss of Instrument Air	P
278.3	Operate the Instrument Air System during a LOCA	P

+Indicates tasks required to be performed/simulated in the Plant.

_____
Student's Name

SYSTEM 278 INSTRUMENT AIR SYSTEM

278.1 _____ P _____
Evaluator Date

278.2 _____ P _____
Evaluator Date

278.3 _____ P _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-60 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 279 BREATHING AIR SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-20
B. NMPII Licensed Operator Text - IAS/SAS
C. NMPII FSK, LSK, ESK Drawings

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Breathing Air System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-60

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures. 2

C. Practical Requirements

ITEM		ACTION CODE
279.1	Operate and monitor Breathing Air System from Control Room	P/S

_____
Student's Name

SYSTEM 283 BREATHING AIR SYSTEM

279.1 _____ P/S _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-60 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 283 PLANT COMPUTER

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-91
B. NMPII Licensed Operator Text - PCS
C. NMPII FSK, LSK, ESK Drawings

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Plant Computer by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-64

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures. 2

C. Practical Requirements

	ITEM	ACTION CODE
283.1	Use the Process Computer to obtain data as required for plant operation	P
283.2	Perform an initialization of the Process Computer	P/S

Student's Name

SYSTEM 283 PLANT COMPUTER

283.1 _____ P _____
Evaluator Date

283.2 _____ P/S _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-64 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 284 SEISMIC MONITORING SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-90
B. NMPII Technical Specifications
C. NMPII Licensed Operator Text - SMS

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Seismic Monitoring System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-76

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE	
284.1	Perform actions required for an Earthquake less than Operating Basis	P/S+	
284.2	Perform actions required for an Earthquake greater than Operating Basis	P/S+	
284.3	Monitor the Seismic Monitoring System	P+	2

+Indicates tasks required to be performed/simulated in the Plant.

Student's Name

SYSTEM 284 SEISMIC MONITORING SYSTEM

284.1	Evaluator	P/S+	Date
284.2	Evaluator	P/S+	Date
284.3	Evaluator	P+	Date

2

Knowledge Complete: _____ _____
OLT-76 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 285 COMMUNICATIONS SYSTEM

II. SYSTEM REFERENCES

A. NMPII Operating Procedure N2-OP-76
B. NMPII Emergency Implementing Procedures EPP-17
C. NMPII Licensed Operator Text - Comm

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Communications System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-65

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures. 2

C. Practical Requirements

	ITEM	ACTION CODE	
285.1	Operate the Plant Alarm System from the Control Room or Remote Shutdown Room	P/S	
285.2	Operate the Gai-Tronics System from the Control Room Console	P	
285.3	Perform the duties of communications aide	P/S	2

Student's Name

SYSTEM 285 COMMUNICATIONS SYSTEM

285.1	Evaluator	P/S	Date
285.2	Evaluator	P	Date
285.3	Evaluator	P/S	Date

2

Knowledge Complete: _____ _____
OLT-65 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 286 FIRE PROTECTION SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedures N2-OP-43, 44, 45, 46, 47
C. NMPII Licensed Operator Text - FPS
D. NMPII Fire Protection Procedures
E. NMPII Emergency Implementing Procedure EPP-2
F. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Fire Protection System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-75

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
286.1	Operate and monitor the Fire Protection System from the Control Room Panel 849	P/S+
286.2	Perform the actions required on the Halon System following a manual system actuation	P/S+
286.3	Shutdown the CO_2 System following a manual discharge from Control Room Panel	P/S+
286.4	Perform the required actions on the Halon System following an Automatic System activation	P/S+

+Indicates tasks required to be performed/simulated in the Plant.

_____
Student's Name

SYSTEM 286 FIRE PROTECTION SYSTEM

286.1	_____ Evaluator	P/S+	_____ Date
286.2	_____ Evaluator	P/S+	_____ Date
286.3	_____ Evaluator	P/S+	_____ Date
286.4	_____ Evaluator	P/S+	_____ Date

Knowledge Complete: _____ _____
OLT-75 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 288 PLANT VENTILATION SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedures N2-OP-52,53A, 54A, 54B, 55, 57, 58, 59A, 59B, 59C.1, 59C.2, 59C.3, 59C.4, 59C.5, 59C.6
C. NMPII Licensed Operator Text - HVR, HVT, CRE
D. NMPII Surveillance Test Procedures
E. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Plant Ventilation System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-70
2. OLT-71
3. OLT-95

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

C. Practical Requirements

ITEM		ACTION CODE
288.1	Shift ventilation lineups for various modes from the Control Room	P
288.2	Operate Control Room Special Filter Trains	P/S
288.3	Operate Air Conditioning Chiller Units from Control Room	P
288.4	Perform required actions for an autostart of Emergency Recirculation Unit Coolers (Reactor Building Vent.)	P/S
288.5	Perform a Manual Isolation of Reactor Building Normal Ventilation	P/S
288.6	Restore Reactor Building Ventilation following an Automatic Isolation	P/S
288.7	Take actions required during a high radiation or LOCA signal on the Control Room Ventilation System	P/S
288.8	Operate the smoke removal portion of the Ventilation Systems	P/S+
288.9	Operate the Ventilation Systems in the Cold Weather Mode	P/S+
288.10	Manually startup and shutdown the Emergency Recirculation Unit	P/S
288.11	Startup and shutdown the Reactor Building Ventilation System	P
288.12	Startup and shutdown the Control Building Ventilation	P/S
288.13	Restore HVT to Normal from the Recirculation Mode	P/S +
288.14	Startup and shutdown the Diesel Building Ventilation System	P/S
288.15	Perform a temperature change evoluation in one of the Diesel Rooms	P/S
288.16	Startup and shutdown the Control Building - Reactor Building Electrical Tunnel Ventilation	P/S+

+Indicates tasks required to be performed/simulated in the Plant.

Student's Name

SYSTEM 288 PLANT VENTILATION SYSTEM

288.1	Evaluator	P	Date
288.2	Evaluator	P/S	Date
288.3	Evaluator	P	Date
288.4	Evaluator	P/S	Date
288.5	Evaluator	P/S	Date
288.6	Evaluator	P/S	Date
288.7	Evaluator	P/S	Date
288.8	Evaluator	P/S+	Date
288.9	Evaluator	P/S+	Date
288.10	Evaluator	P/S	Date
288.11	Evaluator	P	Date
288.12	Evaluator	P/S	Date
288.13	Evaluator	P/S	Date
288.14	Evaluator	P/S	Date
288.15	Evaluator	P/S	Date
288.16	Evaluator	P/S+	Date

Knowledge Complete: _____ _____
OLT-70 Instructor Signature Date

Knowledge Complete: _____ _____
OLT-71 Instructor Signature Date

Knowledge Complete: _____ _____
OLT-95 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 291 SUMP AND DRAIN SYSTEMS

II. SYSTEM REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedure N2-OP-67
C. NMPII Licensed Operator Text - Normal Building Drains
D. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Sump and Drain Systems by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-74

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures. 2

C. Practical Requirements

ITEM		ACTION CODE
291.1	Operate the Drywell Equipment and Floor Drains during a LOCA	P
291.2	Monitor the Drywell Equipment and Floor Drains level and leak rates at P873	P

Student's Name

SYSTEM 291 SUMP AND DRAIN SYSTEMS

291.1 _____ P _____
Evaluator Date

291.2 _____ P _____
Evaluator Date

Knowledge Complete: _____ _____
OLT-74 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 294 REDUNDANT REACTIVITY CONTROL SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedure N2-OP-36B
C. NMPII Licensed Operator Text RRCS
D. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Redundant Reactivity Control System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-33

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
294.1	Startup the Redundant Reactivity Control System from inoperable status	P/S
294.2	Reset an ARI Initiation Signal from P603	P/S
294.3	Reset a SLC Initiation Signal from P603	P/S
294.4	Manually initiate an ARI from the Relay Room Panel	P/S+
294.5	Manually initiate RRCS from P603	P
294.6	Verify proper operation of RRCS Auto Initiation due to RPV high pressure	P
294.7	Verify proper operation of RRCS Auto Initiation due to RPV low water level	P
294.8	De-energize and Re-energize one division of RRCS	P/S
294.9	Shutdown the RRCS System to Inoperable	P/S+

+Indicates tasks required to be performed/simulated in the Plant.

Student's Name

SYSTEM 294 REDUNDANT REACTIVITY CONTROL SYSTEM

294.1	Evaluator	P/S	Date
294.2	Evaluator	P/S	Date
294.3	Evaluator	P/S	Date
294.4	Evaluator	P/S+	Date
294.5	Evaluator	P	Date
294.6	Evaluator	P	Date
294.7	Evaluator	P	Date
294.8	Evaluator	P/S	Date
294.9	Evaluator	P/S+	Date

Knowledge Complete: _____ _____
OLT-33 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 296 REMOTE SHUTDOWN SYSTEM

II. SYSTEM REFERENCES

A. NMPII FSK, LSK, ESK Drawings
B. NMPII Operating Procedure N2-OP-78
C. NMPII Licensed Operator Text - RSS
D. NMPII Technical Specifications

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

The student will have demonstrated satisfactory knowledge of the Remote Shutdown System by attending the Operator Training lecture and satisfactorily completing a written examination on the following:

1. OLT-36

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE	
296.1	(Deleted)		2
296.2	(Deleted)		2
296.3	Return to normal operations following a Control Room Evacuation	P/S+	2
296.4	(Deleted)		2
296.5	(Deleted)		2
296.6	Perform actions of the In-Plant E during a Control Room Evacuation	P/S+	2
296.7	Perform the actions of the CSO for a Control Room Evacuation with the Reactor S/D	P/S+	2
296.8	Perform the actions of the CSO for a Control Room Evacuation with the Reactor not S/D	P/S+	
296.9	Perform the actions of the Control Room "E" for a Control Room Evacuation with the Reactor S/D	P/S+	
296.10	Perform the actions of the Control Room "E" for a Control Room Evacuation with the Reactor not S/D	P/S+	

+Indicates tasks required to be performed/simulated in the Plant.

Student's Name

SYSTEM 296 REMOTE SHUTDOWN SYSTEM

296.1	DELETED		XXXXXX	2
	Evaluator		Date	
296.2	DELETED		XXXXXX	
	Evaluator		Date	
296.3		P/S+		
	Evaluator		Date	
296.4	DELETED		XXXXXX	2
	Evaluator		Date	
296.5			XXXXXX	
	Evaluator		Date	
296.6		P/S+		
	Evaluator		Date	
296.7		P/S+		2
	Evaluator		Date	
296.8		P/S+		
	Evaluator		Date	
296.9		P/S+		
	Evaluator		Date	
296.10		P/S+		
	Evaluator		Date	

Knowledge Complete: _____ _____
OLT-36 Instructor Signature Date

Task Complete: _____ _____
Training Supervisor Date

Task Qualified: _____ _____
Department Supervisor Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 298 MISCELLANEOUS

II. SYSTEM REFERENCES

Due to the broad spectrum of tasks identified under this system, it is not practical to list all references. The list of references for this system would include, but are not limited to, the following:

Operating Procedures for NMPII
Final Safety Analysis Report
Technical Specifications
Emergency Plan and Procedures
Emergency Operating Procedures
Radiation Protection Procedures
FSK, LSK, ESK Drawings
Administrative Procedures
Maintenance Procedures
Surveillance Procedures

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

There are no specific testable knowledge requirements for this section due to the broad Scope of Topics covered. Knowledge will be gained by satisfactory performance of practicals as required by the evaluator responsible for signing the specific task.

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures.

2

C. Practical Requirements

	ITEM	ACTION CODE
298.1	Perform daily checks (N2-OSP-LOG-D001)	P+
298.2	Perform shift checks (N2-OSP-LOG-S001) (N2-OSP-LOG-S@ALL)	P+
298.3	Perform monthly checks (N2-OSP-LOG-M001)	P+
298.4	Fill out the Shift Turnover Checklist	P+
298.5	Fill out NAOE Turnover Sheet and Perform Turnover	P/S+
298.6	Fill out CSO Turnover Sheet and Perform Turnover	P+
298.7	Change chart paper in Recording Instruments	P
298.8	Perform weekly checks (N2-OSP-LOG-W001)	P+
298.9	Perform a Valve Operability Test on a selected system	P+
298.10	Perform a Pump Operability Test on a selected ECCS System	P+

+Indicates tasks required to be performed/simulated in the Plant.

Student's Name

SYSTEM 298 MISCELLANEOUS

298.1	Evaluator	P+	Date
298.2	Evaluator	P+	Date
298.3	Evaluator	P+	Date
298.4	Evaluator	P+	Date
298.5	Evaluator	P/S+	Date
298.6	Evaluator	P+	Date
298.7	Evaluator	P	Date
298.8	Evaluator	P+	Date
298.9	Evaluator	P+	Date
298.10	Evaluator	P+	Date

Task Complete: _____ Training Supervisor _____ Date

Task Qualified: _____ Department Supervisor _____ Date

NINE MILE POINT UNIT II

REACTOR OPERATOR CANDIDATE

OJT MANUAL

I. SYSTEM 299 ADMINISTRATIVE SYSTEMS

II. SYSTEM REFERENCES

Due to the broad spectrum of tasks identified under this system, it is not practical to list all references. The list of references for this system would include, but are not limited to, the following:

Operating Procedures NMPII
Final Safety Analysis Report
Technical Specifications
Emergency Plan and Procedures
Emergency Operating Procedures
Radiation Protection Procedures
FSK, LSK, ESK Drawings
Administative Procedures

III. TASK OBJECTIVES

At the completion of this task, the student will be able to perform all evolutions associated with the system listed under Practical Requirements.

IV. TASK PERFORMANCE CRITERIA

A. Knowledge Requirements

There are no specific testable knowledge requirements for this section due to the broad Scope of Topics covered. Knowledge will be gained by satisfactory performance of practicals as required by the evaluator responsible for signing the specific task.

B. Standards for Acceptable Task Performance

Each practical requirement will be considered satisfied if all actions taken by the candidates are in accordance with approved NMPC procedures. 2

C. Practical Requirements

ITEM		ACTION CODE
299.1	Communicate with the System Dispatcher concerning generator information	P/S+
299.2	Fill out Switching Order	P+
299.3	Coordinate load changes with the System Dispatcher	P/S+
299.4	Perform an Inspection of System Components following maintenance	P+
299.5	Read the Operations Department orders/memos (i.e., night orders)	P+
299.6	Prepare Switching Order (In-plant or Switchyard)	P/S+
299.7	Fill out a Problem Report	P+
299.8	Discuss how to make Temporary Changes to Operating Procedures	D+
299.9	Discuss how to perform a Temp. Mod	D+
299.10	Discuss action to perform Jumpers and Lifted Leads	D+
299.11	Discuss actions required to defeat an Annunciator	P+
299.12	Discuss reasons for performing Mark-up Verification	D+
299.13	Discuss general scaffold requirements throughout the Plant	D+
299.14	Fill out a Maintenance Work Request	P+

+Indicates tasks required to be performed/simulated in the Plant.

_____
Student's Name

SYSTEM 299 ADMINISTRATIVE SYSTEMS

299.1	_____ Evaluator	P/S+	_____ Date
299.2	_____ Evaluator	P+	_____ Date
299.3	_____ Evaluator	P/S+	_____ Date
299.4	_____ Evaluator	P+	_____ Date
299.5	_____ Evaluator	P+	_____ Date
299.6	_____ Evaluator	P/S+	_____ Date
299.7	_____ Evaluator	P+	_____ Date
299.8	_____ Evaluator	D+	_____ Date
299.9	_____ Evaluator	D+	_____ Date
299.10	_____ Evaluator	D+	_____ Date
299.11	_____ Evaluator	P+	_____ Date
299.12	_____ Evaluator	D+	_____ Date
299.13	_____ Evaluator	D+	_____ Date
299.14	_____ Evaluator	P+	_____ Date

Task Complete: _____ Training Supervisor _____ Date

Task Qualified: _____ Department Supervisor _____ Date