December 14, 1984

TNRC-84056

BILLY R. CLEMENTS

Mr. Darrell G. Eisenhut Director, Division of Licensing U. S. Nuclear Regulatory Commission Washington, D.C. 20555

Subject: Comanche Peak Steam Electric Station Shift Staffing

Dear Mr. Eisenhut:

The attached information supplements our transmittal TNRC-84016, dated June 8, 1984 and provides documentation of the completion of the Shift Advisor training and certification program at the Comanche Peak Steam Electric Station.

Five Shift Advisors have completed certification and are currently on shift. Attachment 1 is documentation of the upgrade training provided to advisors scoring below 80% on the week four examination. Attachment 2 is a copy of the completed Shift Advisor Oral Review and Certification form for each advisor. Mr. Ralph Cooley, Operator Licensing Section Chief, NRC Region IV, observed an oral examination conducted for one of the advisors. The complete examination results for the Shift Advisor that had not completed training at the time of our June 8, 1984, submittal are also provided in Attachment 3.

The following Shift Advisors are trained, certified and on shift:

David R. Campbell Hubert C. Crummey Frank D. Pauli Lawrence J. Ryan Steve Stevens

Based on their experience at operating commercial plants similar to Comanche Peak, their experience at Comanche Peak and their successful completion of the Shift Advisor Qualification and Training program, the above listed advisors are qualified to perform advisory duties on operating shifts during the startup and initial operation of Comanche Peak Unit 1.

Buly Rolement

BRC/jg

Attachments

8412210136 541214 PDR ADOCK 05000455 PDR

W003

TNRC-84056 Page 2

cc: R. A. Cooley, Section Chief Operator Licensing U. S. Nuclear Regulatory Commission 611 Ryan Plaza Drive, Suite 1000 Arlington, Texas 76011

> L. P. Crocker Division of Human Factors Safety U. S. Nuclear Regulatory Commission Washington, D. C. 20555

J. S. Marshall (1L) PIMS

ATTACHMENT 1

WEEK FOUR EXAMINATION UPGRADE TRAINING

TNO-84937

TEXAS UTILITIES GENERATING COMPANY

OFFICE MEMORANDUM

To L. G. Barnes	Gien Rose, Texas June 7, 1984	_
Subject	Shift Advisor Training	
Subject	Week 4 Exam Results	

Grade	Student	
73%	D. E. Burton	
69%	D. R. Campbell	
85%	H. C. Crummey	
77%	L. J. Ryan /	
79%	S. Stevens	
77%	Class Average	

Week 3 and Week 4 material covered on Week 4 exam.

ckett

PHT; lml

TRAINING DEPARTMENT USE
Reviewed by Director, Nuclear Training or Training Supervisor
TIALS / DATES/20/14

TRAINING SESSION

NOT-104-3 Form 3 Rev. 0

TO: Training Supervisor

FROM: L. G. Barnes

SUBJECT: Training Session

TOPIC Shift Advisor Upgrade Training

DATE 6-13-84

CONDUCTED BY Self Study

DURATION 6 weeks

I. Attendees

Dave Campbell

II. Material Covered

Read:

- EPP-304, Protection Action Guidelines Parts 1.0, 3.0, 3.3 and 3.4 Attachments 3 through 8
- CPSES Nuclear Systems Volume 4
 Chapter XI-3, Heat Transfer, Parts 5.1 and 5.2
 Chapter XI-5, Nuclear Power Distribution, Section 2.2.C
- CPSES Nuclear Systems, Volume 5
 Chapter XIII-3, Decreases in Heat Removal by the Secondary
 Plant Section 6.3

(continued on next page)

David Compbell SHIT ADVISOR

7-18-84

1. 51

II. Material Covered (continued)

- 4. CPSES Technical Specifications
 Section 6.9.1.10.C Prompt Notification with Written Followup
- 5. CPSES Nuclear Systems, Volume 5
 Chapter XIII-6, Reactivity and Power Distribution Anomalies Section 1.1
 - Title 10 Part 100 of the Code of Federal Regulations 10 CFR 100.11(a)(1)
- Chapter XIII-9, Radiological Release Sections 2.3, 3/3 and 5.3
- 8. CPSES Emergency Response Guidelines
 EOP-0.0, Attachment 1, Step 1 RCP Trip Criteria
- 9. Westinghouse Owner's Group Emergency Response Guideline Seminar,
 Volume II-A
 E-O, Basis for Steps in E-O, Step 28
 E-O, Appendix A
- -10. CPSES Nuclear Systems Volume 3
 Chapter VII-4, Section 4.3 and 5.1
- 11. CPSES System Operating Procedures Manual
 Volume III, SOP-609A, Diesel Generator System
 Sections 3.2, 3.3 and 3.4
 Section 5.2 CAUTION rule following step 5.2.1.1

TAKE:

Makeup exam during week of July 23 -27 on above subject material.

READ AND REVIEWED THE ABOVE SUBJECT'S

MAKEUP EXAM NOT REQUIRED

TRAINING SESSION

NOT-104-3 Form 3 Rev. 0

TO: Training Supervisor

FROM: L. G. Barnes

SUBJECT: Training Session

TOPIC Shift Advisor Upgrade Training

DATE 6-13-84

CONDUCTED BY Self Study

DURATION 6 weeks

I. Attandees

Lawrence Ryan

II. Material Coverad

Read:

- EPP-304 Protection Action Guidelines Parts 1.0, 3.0 and 3.3
- EPP-304 Protection Action Guidelines
 Fart 3.4 and Attachment 3 through 8
- CPSES Nuclear Systems Volume 5
 Chapter XIII-3 Decreases in Heat Removal by the Secondary Plant Section 6.3
- 4. CPSES Nuclear Systems Volume 5, Chapter XIII-3 Sections 4.1, 4.2 and 4.3

(continued on next page)

L. H. Barns / Operation Supervisor

7/25/04

II. Material Covered (continued)

- 5. Westinghouse Thermal-Hydraulic Principles and Applications to the PWR - Volume II Chapter 12, pp. 25 & 26 - Transient Operation pp. 43 & 44 - Normal Down Power Transients
- 6. CPSES Technical Specifications,
 Section 6.9.1.10.d Prompt Notification with Written
 Followup
- 7. CPSES Nuclear Systems Volume 5
 Chapter XIII-6 Reactivity and Power Distribution Anomalies
 Section 1.1
- 8. CPSES Nuclear Systems Volume 5
 Chapter XIII-8 Increase in Reactor Coolant Inventory
 Sections 2.0, 3.0 and 4.0
- 9. CPSES Emergency Response Guidelines
 EOP-0.0 Attachment 1, step 1 RCP Trip Criteria

Sawanas Ryan 6-22-84

By 7. 23-84

TRAINING SESSION

NOT-104-3 Form 3 Ray. 0

TO: Training Supervisor

FROM: L. G. Barnes

SUBJECT: Training Session

TOPIC Shift Advisor Upgrade Training

DATE 6-13-84

CONDUCTED BY Self Study

DURATION 6 weeks

I. Attendees

Steve Stevens

II. Material Covered

Read:

- 1. EPP-304, Protection Action Guidelines Parts 1.0, 3.0 and 3.3
- 2. CPSES Nuclear Systems, Volume 5
 Chapter XIII-3, Acreases in Heat Removal by the Secondary Plant
 Section 6.3
- 3. CPSES Nuclear Systems, Volume 5, Chapter XIII-3 Sections 4.1, 4.2 and 4.3
 - ? 4. Westinghouse Thermal-Hydraulic Principles and Applications to the PWR-Volume II

Chapter 12 - pp. 25 & 26 - Transient Operation pp. 43 & 44 - Normal Down Power Transients

(continued on next page)

J. J. Boires

Cos. Supervisor

7/23/84

II. Material Covered (continued)

...

- ? 5. CPSES Technical Specifications Section 6.9.1.10.C Prompt Notification with Written Follow-up
- 6. CPSES Nuclear Systems, Volume 5
 Chapter XIII-6 Reactivity and Power Distribution Anomalies
 Section 1.1
- 7. CPSES Emergency Response Guidelines
 EOS-0.1, Reactor Trip Recovery, Step 8 Verify Natural Circulation
- \$\int_{8}. CPSES Nuclear Systems, Volume 5
 Chapter XIII-12, Natural Circulation
 Section 4.3
- Chapter XIII-7, Decrease in RC Inventory Section 4.1.f
- EOP-0.0 Step 31, Check for RCS to Secondary Integrity
 EOP-3.0 Step 1, Identify Ruptured Steam Generator(s)
- 11. CPSES Emergency Response Guidelines
 FRH-0.1, Response to Loss of Secondary Heat Sink
 Steps 2, 5, 10 and 15

ATTACHMENT 2 ORAL REVIEW AND CERTIFICATION FORMS

COMANCHE PEAK STEAM ELECTRIC STATION SHIFT ADVISOR ORAL REVIEW AND CERTIFICATION

	SHIFT	ADVISOR Z	AVE (AMP)	SELL.	
Qua	alifications conf	irmed &	Bludel perations Supe	111	0/8/84 Date
Gen Gen	eral Training Con	mplete			
- Service	General Employer Radiation Worke	ee Training	Dur	and the second s	1 9/25/14
Spe	cialty Training (Complete	Onis	iclear Trainin	1964
Pro	cedure Training (Complete	P. H. Bain Operations S		18/18/24
ora	Understands res Understands ini (TRA-299)		es and author	ities (ODA-10	
Comments	d as the Training			The second second	i Ugrade
Marning	ion of Qualificat				
I. Sig	Baine nature	1 Operation	Sitle Supervior	1 10-16-1 Dat 1 16/16/8	34 :e
hos	leidel .	1 Oneum	itle /	Dat	e 80
Sig	nature	1	itle	Dat	e

Shift Advisor: Dave Campbell	Date: 10-2-84
	START: 2:30 AM. FINISH: 5122 P.M.
Review Panel Members: R. B. Seidel	
J. J. Allen	
L. G. Barnes	
NEEDS TO REVIEW THE FOLLOWING: • LX TRIP MUD ST. SIGNALS (• MINGARING CORE DAMAGE; H2 PA • ECCS LESSON NOTES (HOT LEG A SELTION II-8.	roduction AND REMOVAL (MCD cesson XIII-
Comments: No MAJOR MOBILEMS. REVIEW SATISFY QUALIFICATION KNOWLEDGE	Requirement.
Grade:	alstered a/8/84

S... Satisfactory
M... Marginal
U... Unsatisfactory

Shift Advisor: Dave	Campbel1	Date: 10-2-84
		Time begin: 2:20 PM
Review Panel Members:	R. B. Seidel	Time end: 5:15 cm
	J. J. Allen	
	L. G. Barnes S. & Carra	

Comments: Dane had many major weaknesse. He should remew 11 but leg remislation at P-? and P-10 intellable and 3) circ, water making to the sow. He was a little week on ERC 3 but this should be taken care of in Rev. 1 training.

Grade:

S... Satisfactory

M... Marginal
U... Unsatisfactory

Shift Advisor: Dave	Campbell	Date: 10-2-84
Review Panel Members:	R. B. Seidel	
	J. J. Allen	
	L. G. Barnes	

mments:	er inen	was in	Emerger	y Pure	larer, The	thew
10 cameto	by atte	dree h	ERG N	ul tra	my lectures	Slove
Leavin 72	Aunet wi	1) Nu	and Sub	andie /	Mayor Manta	

Grade:

S... Satisfactory
M... Marginal
U... Unsatisfactory

Jeff Old 1018/84

TRAINING DEPARTMENT USE Reviewed by Director, Nuclear Training or Training Supervisor INITIALS

TRAINING SESSION

NOT-104-3 Form B Rev. 0

TO:	Training	Supervisor
-----	----------	------------

FROM: L. G. Barnes

SUBJECT: Training Session

TOPIC -	Shift Advisor Upgrade Training
DATE _	10-8-84
UCTED BY _	Self-Study
DURATION _	

I. Attendees

CONDUCT

Dave Campbell

II. Material Covered

Review the following:

- Rx. Trip and SI signals (Training Manual III 9)
- · Mitigating Core Damage; H₂ production and removal (MCD Lesson XIII 16.2) · ECCS Lesson Notes (Hot Leg Recirculation). (Training Manual, Section II - 8)
- · N-16 (Lesson III 5.2) (Lesson III 14)

· Subcooling Margin Monitor (Lesson

- · P-7 and P-10 Interlocks (Lesson III 9)
- · Circ. Water Makeup to the SSW (Lesson VIII 12)

Euros / Ops, Auguros Name, Title

10-17-8×

Date

COMANCHE PEAK STEAM ELECTRIC STATION SHIFT ADVISOR ORAL REVIEW AND CERTIFICATION

	SHIFT ADVISOR	lay Crummey	
	Qualifications confirmed	Sections Superintendent	30/84 Date
X	General Training Complete		
	General Employee Training	Respiratory Protection (Optional)	on Training
Porter	Radiation Worker Training	Director, Nuclear Training	/ 8/3/8/ 3 Date
Ø	Specialty Training Complete	Director, Nuclear Training	/ 3/5/8/ Date
X	Procedure Training Complete	Operations Supervisor	17/19/84 Date
X	Oral Review		
	▼ Understands responsibiliti	les and authorities (ODA-102	2)
	Understands initial and re (TRA-299)	ecurrent training requiremen	its
Comme	nts (Additional comment p	pages attached:)	
Citt	acked is the Training Season	Form for Shift advise	~
	rade Training.		
Certi:	fication of Qualifications and I	raining Completion Title Dat	<i>y</i>
10		Title Dat	
1	of gnature.	little Dat	e
h	Signature Chengo	Title Dat	THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS N

Shift Advisor: Clay	Crummey	Date: September 25, 1984
		START: 2.37 RM. Finish: 5:16 RM.
Review Panel Members:	R. B. Seidel	
	L. G. Barnes	
	J. J. Allen	

Comments: No MANOR WEAKNESSES. CAMBIDATE SHOULD REVIEW THE FOLLOWING REFUELING PROCEDURES: RFD-101, RFD-302, RFD-402 AND ISD-001A.

SHOULD ALSO MUIEN RCP LESSON NOTES, SECTION II-1.4. NO RETEST REQUIRED FOR these items.

Grade:

S... Satisfactory

M... Marginal

U... Unsatisfactory

DR feed 1

Shift Advisor: Clay	Crummey	Date: September 25, 1984
Review Panel Members:	R. B. Seidel	Time Start: 2:10 fm Time Complete: 5:0514
	L. G. Barnes L. Bans	
	J. J. Allen	

functions and Regen. HX purposes, i) ECCS Final acceptance Criteria, 4) Free Transfer Con and Woender interlectly and SFP daying criteria, and Halm was in plant. No major weaknesses.

Grade:

S... Satisfactory

M... Marginal

Review Panel Members: R. B. Seidel L. G. Barnes J. J. Allen mments: No was awas famin Junga and Litter lieu	ember 25. 1984
J. J. Allen	
ments: No word awas. Paris Jungo and Litter lead	
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sents: No unset awas. Penin Jumps and hitter lear	
The start start	c-1
	Calu.
e: Jeff Old 10	1.1.4

S... Satisfactory

TRAINING DEPARTMENT USE
Reviewed by Director, Nuclear Training
or Training Supervisor
INITIALS DATE

TRAINING SESSION

NOT-104-3 Form B Rev. 0

TO: Training Supervisor

FROM: L. G. Barnes

SUBJECT: Training Session

TOPIC Shift Advisor Upgrade Training

DATE 10-8-84

CONDUCTED BY Self-Study

DURATION

I. Attendees

Clay Crummey

II. Material Covered

Review the following procedures:

- · RF0-101
- · RF0-302
- · RF0-402
- · ISU-001A
- · STA-602

Review the following CPSES Lesson Notes:

- · Section VIII 6, CEV Discharge Paths
- · Section II 1.4, RCP's
- · Section II 10, Fuel Transfer Car and Upender Interlocks
- · Section II 2, CVCS Functions and Purpose of Regen, HX
- · ECCS Final Acceptance Criteria
- · Halon Uses

I. B. Barns / Cps. Superin

10-16-74

Date

COMANCHE PEAK STEAM ELECTRIC STATION SHIFT ADVISOR ORAL REVIEW AND CERTIFICATION

	SHIFT ADVISOR	F. PAULI	
7	Qualifications confirmed	Bludt	1 10/18/84
7	General Training Complete THAT General Employee Training	· (Opt	
_	Radiation Worker Training	Director, Nuclear	raining Date
8/2/4	Specialty Training Complete	Director, Nuclear	Training Date
XI	Procedure Training Complete	J. J. Barry Operations Supervis	1 8/31/24 sor Date
X	Oral Review		
	X Understands responsibilit	ies and authorities	(ODA-102)
	Winderstands initial and record (TRA-299)	ecurrent training rec	quirements
Commer	nts (2 Additional comment	pages attached:)	
Exa	am also proctored by Spade	Cooley (Region II)	NRC). Attached
are	his comments of weak a	reas Also attached	is a Training
Sess	ion Form for upgrade tra	ining.	
Certif	fication of Qualifications and	Training Completion	
2.	b. Barne 1 Operation	ios fuperois 1	10-16-24
10	Ligha 1 Opera	Title Everner 1	10/16/84
R	Signature Cherom	Title /	Date
	Signature	Title	Date

Shift Advisor: Frank Pauli	Date: Sept. 18, 1984
	3ept. 10; 1904
Review Panel Members: R. B. Seidel MBSell	START: 1:30 P.M. FINISH: 4:00 PM.
J. J. Allen	
Individual specific problems. Generic	anea of weakness was
in AC ELECTRICAL / DIESEL GENERAL	
HE STUDY LESSON PLANS AS FOLLOW.	·:
VII. 1 A.C. DISTRIBUTION VIII. 2 DC POWER SUPPLY	
VII.3 SWITCHYARD	
This shorter be followed by AN DI	es a mitto duis to
Be Armisistened by the review powel.	one on white gots to
Comments: With the above upgande tamin.	is and that recommended
By the other passel newbers, MR. PA to penter Spirit Advisor's Duries.	wei will be well-suited
to penhan Spiris Advisoris Duries.	
	RBSer21
Grade:	7/18/84
P Satisfactory	

7

SHIFT ADVISOR ORAL EXAMINATION

Shift Advisor: Frank Pauli	Date: Sept. 18, 1984
	Time Start: 1:30 P4
Review Panel Members: R. B. Seidel	Time Finish: 3:58 pm
L. G. Barnes fr. B.	

Drecommend that Frank review and real electrical distribution and and beginning.

Second that he review the interlook associated with the first transfer can and upsider.

L. M. Barner 1/8/84

Grade:

P... Satisfactory

ift Advisor: Frank	Pauli	Date: Sept. 18, 1984
view Panel Members:_		
	J. J. Allen	
montos Co	1. 0 He A - A	- 71 - 1
us to sef review	A For stal system. signe	ah.
	Jeh Lack	

Grade:

P... Satisfactory

NRC Reconnendations

1. Dieser / Ecomic

2. EMERG. PERNING

3 Suier Advison Duries.

4 CCW

S. He Moduction in continuent.

6 Feel handling

7 Enenteuer Bonning

8 /2m - succes

TRAINING DEPARTMENT USE Reviewed by Director, Nuclear Training or Training Supervisor INITIALS DATE

TRAINING SESSION

NOT-104-3 Form B Rev. 0

TO: Training Supervisor

FROM: L. G. Barnes

SUBJECT: Training Session

TOPIC -	Shift Advisor Upgrade Training
DATE -	Sept. 19, 1984
CTED BY .	Self-Study
IDATION	

I. Attendees

CONDU

Frank Pauli

II. Material Covered

- Study CPSES Lesson Plans as follows: A.C. Distribution, VII.1 D.C. Power Supply, VII.2 Switchyard, VII.3 Diesels and Auxiliaries, VII.4
- 2. Take an oral or written quiz over the above subjects. Quiz to be administered by the Review Panel.
- Review the AFW Pump start signals.
- 4. Review the CCW/SSW interface.
- 5. Review the Fuel Transfer Car interlocks.

It Bares / Ops Superior

4/28/24

9/28/84

Date

Name, Title

NOT-104-3 Form B

UPGRADE EXAM

1. Q. Discuss the Diesel Generator controls on the MCB.

RESPONSE SATISFACTORY

5700 3:50 A

FINISH: 4:35 P.

2. Q. Briefly discuss the layout of the 345KV Switchyard.

Response Apequate

3. Q. Why general types of equipment are located in the Switchyard Relay House?

General Response - Sams Factors.

. Q. What supplies power to DC lighting?

Response satisfactory.

- 5. Q. What plant areas are supplied with essential lighting?
- 6. Q. List the power supplies for the safety-related 6.9 KV switchgear and their sources.
- 7. Q. Draw the AC Distribution System for Unit One down to the 480 volt buses. Label the buses.
- 8. Q. List and describe three breaker interlocks. Do not describe in detail--simply tell what they do.

Adequate response

- 9. Q. Describe the power lineup to a vital instrument bus.
- 10. Q. How does an instrument bus invertor work?
- 11. Q. What is powered from 6.9 KV and 480V ESF buses?
- 12. Q. What is at-power lineup?

 SANSTAGORY MESOUSE.
- 13. Q. Can bus 1EA1 power bus 1EA2?

 SATISFACTOR RESPONSE.
- 14. Q. What are the functions of the following 7G switches:
 - a. Auto
 - b. Manual Emergency
 - c. Manual test
 - d. Governor adjust SAMSFACTORY RESPONSE
 - e. Voltage adjust
- 15. Q What is normal at-power electrical line-up for the AKV buses?

 Mesponce sams Fraction

SATISFACIONE UPORISE EXAM. Select

1. Q. Discuss the Diesel Generator controls on the MCB.

10/11/01

2. Q. Briefly discuss the layout of the 345KV Switchyard.

M

Why general types of equipment are located in the Switchyard Relay House?

0. What supplies power to DC lighting? P

What plant areas are supplied with essential lighting? 5. Q.

Q. List the power supplies for the safety-related 6.9 KV switchgear and their sources.

7. Draw the AC Distribution System for Unit One down to the 480 volt buses. Label the buses.

O. List and describe three breaker interlocks. Do not describe in detail -- simply tell what they do.

Q. Describe the power lineup to a vital instrument bus.

10. How does an instrument bus invertor work?

11. What is powered from 6.9 KV and 480V ESF buses?

12. Q. What is at-power lineup?

Q. Can bus 1EA1 power bus 1EA2?

Q. What are the functions of the following DG switches: 14.

Auto

13.

b. Manual Emergency

c. Manual test

Governor adjust

Voltage adjust

10

15. Q What is normal at-power electrical line-up for the 4KV buses?

Mr. Pauli's upgrade is satisfactory.

2.	Q.	Briefly discuss	the	layout	of	the	345KV	Switchyard.	-
		Briefly discuss	ren	uen .	Sie	itel	yal	lazorit.	M

- 3. Q. Why general types of equipment are located in the Switchyard Relay House? Nucle to the a wallathough the Switchyard
- 4. Q. What supplies power to DC lighting?
- 5. Q. What plant areas are supplied with essential lighting?
- 6. Q. List the power supplies for the safety-related 6.9 KV switchgear 5and their sources.
- 7. Q. Draw the AC Distribution System for Unit One down to the 480 solt buses. Label the buses. $\circ \mathcal{K}$.
- Q. List and describe three breaker interlocks. Do not describe in detail--simply tell what they do.
- 9. Q. Describe the power lineup to a vital instrument bus.
- 10. Q. How does an instrument bus invertor work?
- 11. Q. What is powered from 6.9 KV and 480V ESF buses?
- 12. Q. What is at-power lineup? (5)
- 13. Q. Can bus 1EA1 power bus 1EA2? No (5)
- 14. Q. What are the functions of the following DG switches:
 - a. Auto
 - b. Manual Emergency
 - c. Manual test
 - d. Governor adjust
 - e. Voltage adjust
- 15. Q What is normal at-power electrical line-up for the 450 buses? (5)

ARA COLL 10/11/89

COMANCHE PEAK STEAM ELECTRIC STATION SHIFT ADVISOR ORAL REVIEW AND CERTIFICATION

	SHIFT ADVISOR	AWRENCE J. RYAN	
X	Qualifications confirmed 0	B Sull / n perations Superintendent	Date
X	General Training Complete		
	X General Employee Training	X Respiratory Protects	ion Training
	X Radiation Worker Training	(Optional)	1 8/6/54
X	Specialty Training Complete	Director, Nuclear Training	1 46/84
X	Procedure Training Complete	9. % Dawn Operations Supervisor	1 8/13/84 Date
X	Oral Review		
		ies and authorities (ODA-10	
Comme	nts (/ Additional comment p	pages attached:)	
	tucked is the Training Session		er Upgrada
Tra	wwg.		
	Signature	Title Da	yy te,
Att	Signature 1 Special	Title Da	
ho	such CHEMATON	is Suremmental 1 8/8	BOTTOM CONTRACTOR CONTRACTOR (BOTTOM)
	Signature	Title Da	te

Shift Advisor: L. J. RYAN	Date: SEPTEMBER 11,198
Review Panel Members: J.J. ALLEN	Exam Somer: 2:30 p.m.
L.G. BARNES 2.8. SEIDEL	
Advisor Comments: . Will watch for publems, ensure	PAPERWORK IS IN PROPER ORDER,
. Will NOT confine duties to specificant. . Intends to neview Rev. I procedure. ON ERG (Rev. 1) procedures.	My watching Licensed Operations.

Not All questions Need to be Asked ATTEMPT to cover ever MAJON MEA.

Recommend that Mr. Rym Review Tutesmaren Plant Openation

Recommend that Mr. Rym Review Internates Pener Operating fracefores. Also recommended reviewing werk mens (F & P-).

P... Satisfactory

F... Unsatisfactory

RB Seidel 9/11/84

Shift Advisor: L. J.	Ryan	Date: Sept. 11, 1984
		Time Start : 2130Pm
Review Panel Members:	R.B Seidel	Time Finish: 5:00PM
	L.G. Barnes	
	J.J Allen	

1. "+	it your	1 - 7	2 Ra	9/1./2		
-------	---------	-------	------	--------	--	--

Grade:

P... Satisfactory

Shift Advisor: L. Ry	~	Date: 9/11/8%
Review Panel Members:	B. Seidel G Bornes J Alla	
Comments: Nue to se	view ERG and Enterents	Plut operate
	10 1 (000	

P... Satisfactory

TRAINING DEPARTMENT USE
Reviewed by Director, Nuclear Training or Training Supervisor
INITIALS DATE

TRAINING SESSION

NOT-104-3 Form B Rev. 0

TO: Training Supervisor

FROM: L. G. Barnes

SUBJECT: Training Session

TOPIC	ERG and IPO Upgrade Training
DATE	Sept. 11, 1984
CONDUCTED BY	Self-Study
DURATION	

I. Attendees

L. J. Ryan

II. Material Covered

Upgrade training assigned as a result of the Shift Advisor oral exam:

- ° Read ERG's (Rev. 1)
- ° Read IPO's

L. 2. Banco / Operation Superior Sawrence S. Ryan (SHIFT ADVISOR)

9-21-84

9-21-84

Date

NOT-104-3 Form B

COMANCHE PEAK STEAM ELECTRIC STATION SHIFT ADVISOR ORAL REVIEW AND CERTIFICATION

	SHIFT ADVISOR	TEVE STEVENS	
X	Qualifications confirmed 0	B Seed 1/ perations Superintendent	Date
X	General Training Complete		
	▼ General Employee Training	X Respiratory Protect:	ion Training
	Radiation Worker Training		
X	Specialty Training Complete	Director, Nuclear Training	Date
		Director, Nuclear Training	ng Date
X	Procedure Training Complete	Operations Supervisor	1 9/10/py Date
X	Oral Review		
	X Understands responsibilit	ies and authorities (ODA-10)2)
	X Understands initial and re (TRA-299)	ecurrent training requireme	ents
Comme	ents (Additional comment p	pages attached:)	
Certi	fication of Qualifications and I	raining Completion	
7.	2. Bours 1 Operaty	Titles Da	4
HR	A COV 1 Operales	in Eremin 1 10/ 1/1	+
for	Signature 1 Chengo.	ous Supernment (0/18)	te
	Signature	Title Da	

Shift Advisor: Steve	Stevens	Date:_	September 21, 1984
Review Panel Members:_	R. B. Seidel		
	L. G. Barnes		
	J. J. Allen		

Scholad regul class should the be sufficient. No addition

Grade:

S... Satisfactory
M... Marginal

		Time Begin: 2:10 Pm Time End 4:45 Pm
eview Panel Members:_	R. B. Seidel L. G. Barnes L. Dame J. J. Allen	
ments: No major	deficience were found with m. is	tiens ff

Grade:

S... Satisfactory
M... Marginal
U... Unsatisfactory

ift Advisor: Steve	scevens	Date: September 21, 1984
view Panel Members:	R. 8. Seidel	START: 2:10 P.M. FINISH: 4:30 RH.
	L. G. Barnes	
	J. J. Allen	

technical and Administrative knowledge relative to the Shift

Aprison position. No upgrade transing required

Grade:

S... Satisfactory

M... Marginal

U... Unsacisfactory

ATTACHMENT 3

SHIFT ADVISOR TRAINING EXAMINATION RESULTS

Frank Pauli

OFFICE MEMORANDUM

То	L.G.	Barnes				Glen Rose, Texas	August	13,	1984
Subject			Shift	Advisor	Training	(Self-Study)			
				Week 1	Grade Re	sults	7		

Grade

Student

89%

F. Polly

MAN; pkk

Michael A. Niemeyer

mill ATE

OFFICE MEMORANDUM

То	L.G. Barnes	Glen Rose, Texas	August 20,	1984
Subject		Shift Advisor Training		
-		Week 2 Evam Results		-

Grade

87%

Student

F. Pauli

MAN; pkk

Michael A. Niemeyer

OFFICE MEMORANDUM

To	L.G.	Barnes					Glen Rose, Texas	August	30,	1984
Subject			Shift	Advisor	Training	(Self	Study)			
				Week :	3 Exam Re	sults				

Grade

98%

Student

F. Pauli

MAN; pkk

Michael A. Niemeyer