

CONTROLLED COPY

July 27, 1984

COMANCHE PEAK NUCLEAR POWER PLANT  
TECHNICAL ISSUES SUMMARY FROM SRT REPORT OF 7/13/84

TASK NO.	CONCERN	ACTION/STATUS	SOURCE		RESP. GROUP	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE		SOURCE DOCUMENT PAGE
			ANON	CONFID				OPEN	COMPLETE	
SRT-1	Piping CMC's accepted for implementation without detailed evaluation	Open			Mech/Piping		1 TRT			SRT Report P. 35
SRT-2	Piping System AF-1-SD-007 had deficiencies in design calculations	Open			Mech/Piping		1 TRT			SRT Report P. 36
SRT-3	Possible design consideration weakness for piping systems between safety-related and non safety related buildings	Open			Mech/Piping		1 TRT			SRT Report P. 37
SRT-4	Deficiencies in procedures strut/snubber installation inspection	Open			Mech/Piping		1 TRT			SRT Report P. 38
SRT-5	Strut/snubbers QA inspector training weakness	Open			Mech/Piping		1 TRT			SRT Report No. 38
SRT-6	Spring hangers and snubbers require final walkdown to assure proper adjustment, prior to fuel load	Open			Mech/Piping		2 TRT			SRT Report P. 38
SRT-7	14 pipe supports require correction of various discrepancies	Open			Mech/Piping		1 TRT			SRT Report P. 40

FOIA-85-59  
D/310

8601170276 851213  
PDR FOIA  
GARDEB5-59 PDR

July 27, 1984

QA/QC (GENERAL)

NUMBERS AQ-110 -- AQ-125

Key to Completion Category:

- 1 - Prior to OL
- 2 - Fuel Loading
- 3 - Initial Criticality
- 4 - Zero Power Testing
- 5 - Low Power Testing
- 6 - Power Ascension Testing
- 7 - Full Power

CONTROLLED COPYCOMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE ANON	CONFID	BN/DATE	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7	LEAD	OPEN	SCHEDULE COMPLETE	ALLEGED-DATE RECEIVED SOURCE DOCUMENT PAGE
AQ-110	Unit 1 documents were destroyed and they shouldn't have been; because Unit 1 isn't completed right now			X				1 TRT			A-2 Interview Pg 90-100
AQ-111	Potential misuse of a group of drawings referred to as BRILL	Initial disposition IR 83-03				Not on ATS RIV-82-A-56	1 TRT				9/16/82 limited public appearance before ASLB hearing transcript IR 83-03
AQ-112	Operations management did not have cooperative attitude toward QA	Open	X								Alleged conversation with J. E. Cummins, SRI, on 7/7/84
AQ-113	Lack of management commitment to QA/QC program (example, breakdown of ferroresonant transformers provided by Westinghouse)	2/84 TUSE filed a 50.55(e) report		X			1 TRT				A-47 Affidavit 7/16/84 P.13-14
AQ-114	Practice of QC personnel keeping log sheets of problems spotted during inspections instead of writing NCR's			X			1 TRT				A-47 Affidavit 7/16/84, P.15

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QA/QC (General) P. 2

COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE		BN/DATE	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE		ALLEGED-DATE RECEIVED SOURCE DOCUMENT PAGE
			ANON	CONFID				OPEN	COMPLETE	
AQ-115	Fabrication shop personnel upgrade material to fill an order if material requested is unavailable	Open OI investigation not initiated yet		X		4-84-30 01-R4-84-A-0041	1 OI			Rec'd 6/7/84
AQ-116	BPR procedural changes has resulted in the manipulation of safety-related documentation and violations of the procedures established for final review of documentation prior to turning portions of the plant over to TUGCO			X			1 TRT			A-1 Statement #2 A-1 Interview P. 71-79
AQ-117	Lack of communication between departments. Duplication of work on a flange			X			1 TRT			A-1 Statement #2 A-1 Interview P. 80
AQ-118	A meeting was held w/document controllers and N-5 group where they were told that the NRC was on-site and if the reviewers were interviewed by the NRC not to tell them anything			X			1 TRT			A-1 Statement #2 A-1 Interview P. 81-88



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COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE ANON CONFID	BN/DATE	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE OPEN COMPLETE	ALLEGED-DATE RECEIVED SOURCE DOCUMENT PAGE
AQ-119	Vendor certified drawings are revised to correct a mismatch between the actual condition in the plant and the drawing		X			1 TRT		Interview w/A-5 5/18/84 P. 19-21
AQ-120	Brown & Root keeps a listing of all MCR's that are current at a period in time and their status. During the time the reactor building Unit 1 was starting to be turned over there were a number of MCR's written against it. The disposition of the MCR's is questionable.		X			1 ART		Interview w/A-5 5/18/84 P. 28-31
AQ-121	Possible lack of program controls for non-ASME work	Open	X		Special Team Report of 7/13/84			SRT Rpt. p. 64
AQ-122	QC has not been supported at Comanche Peak in the past	Open	X		Special Team Report of 7/13/84			SRT Rpt. p. 64
AQ-123	Incomplete packages issued by paper flow groups (PFGs) when PFGs first implemented	Open	X		Special Team Report of 7/13/84			SRT Rpt. p. 70

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QA/QC (General) P. 4

COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE		BN/DATE	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE		ALLEGED-DATE RECEIVED SOURCE	
			ANON	CONFID				OPEN	COMPLETE	DOCUMENT	PAGE
AQ-124	Some inaccurate NCR answers	Open		X		Special Team Rpt. of 7/13/84				SRT Rpt. P. 70	
AQ-125	Site has a problem with lost records (may be related to competence of PFG personnel)	Open		X		Special Team Rpt. of 7/13/84				SRT Rpt. P. 70	

July 27, 1984

WELDING

AQW - 3  
AW - 1  
4

Key to Completion Category:

- 1 - Prior to OL
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- 7 - Full Power

CONTROLLED COPY

Welding, P. 1

COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE		BN/DATE	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE		ALLEGOR-DATE RECEIVED SOURCE DOCUMENT PAGE
			ANON	CONFID				OPEN	COMPLETE	
AQW-69	Widespread use of lesser qualified mechanical/welding inspectors in completions quality engineering.	Examples range many mechanical/welding categories				Not on ATS RIV-82-A-56	1 TRT			ASLB hearing limited appearance 9/15/82 IR 82-11 P. 11-17
AW-70	Pressure to complete welding may contribute to large number of reject welds on the "switch gear" in winter of 1981. Welders told to "use 200 rods per day."	Open. Relates to Investigation 4-84-006				4-84-012 OIR4-84-A-0020	1 TRT			A-22 Statement of 8/29/83 P. 3 (Contained in OI Report 4-84-006)
AQW-71	Incompetent QA leadership (Ex. include civil/mech)					Not on ATS RIV-82-A-56	1 TRT			ASLB hearing limited appearance 9/15/82 IR-82-11 P. 11-17
AQW-72	RT film package for ISO CC-2-AB-3 on Weld No. 9-1. No weld No. 9-1 appeared on the ISO			X			1 TRT			A-1 Statement #2 A-1 Interview P. 79-80

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COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE ANON CONFID	RM/DATE	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 <u>LEAD</u>	SCHEDULE OPEN COMPLETE	ALLEGED-DATE RECEIVED SOURCE DOCUMENT PAGE
AQW-B.	QC Inspection Problem for welds does not contain instructions for economy skewed by 112 weeks.	Initial Inspection IR 84-08			IR 84-08 IR 82-14			IR 82-19 7c



July 27, 1984

CONCRETE/REBAR

AQC - 1  
AC - 0  
I

Key to Completion Category:

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-

CONTROLLED COPY

Concrete/Rebar, P. 1

COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

<u>TASK NO.</u>	<u>ALLEGATION OR CONCERN</u>	<u>ACTION/STATUS</u>	<u>SOURCE</u>		<u>BN/DATE</u>	<u>CROSS REF./OR TRACKING SYSTEM NO.</u>	<u>COMPLETION CATEGORY 1-7</u>	<u>SCHEDULE</u>		<u>ALLEGOR-DATE RECEIVED SOURCE DOCUMENT PAGE</u>
			<u>ANON</u>	<u>CONFID</u>				<u>LEAD</u>	<u>OPEN</u>	
AQC-45	Concrete sampling machine tampered with to provide false reading of good sample.	Open		X			1 TRT			A-4 Affidavit of 3/31/83 P. 4

July 27, 1984

PIPE & PIPE SUPPORTS (NON W/D)

AQP - 0  
AP - 5  
5

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-

## CONTROLLED COPY

COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE		BN/DATE	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE		ALLEGOR-DATE RECEIVED SOURCE DOCUMENT PAGE
			ANON	CONFID				OPEN	COMPLETE	
AP-24	FUB-II Base-Plate Program was never validated and th. the program only checked one bolt out of four for tension load.	Initial disposition IR 83-12				Not on ATS RIV-82-A-56	1 TRT			[REDACTED] 9/15/82 ASLB hearing [REDACTED] IR 83-12
AP-25	Corner & Lada base-plate program erroneously assures rotation about the center of attachment and that this program has not been validated.	Initial disposition IR 83-12				Not on ATS RIV-82-A-56	1 TRT			[REDACTED] 9/15/82 ASLB hearing [REDACTED] IR 83-12
AP-26	ADLPIPE Computer Program used at CP is a theoretical computer program which has never been validated.	Initial disposition IR 83-12				Not on ATS RIV-82-A-56	1 TRT			[REDACTED] 9/15/82 ASLB hearing [REDACTED] IR 83-12
AP-27	The seismic response spectra generated for the Comanche Peak plant was nonrepresentative and had poor agreement with the Uniform Building Code	Initial disposition IR 83-12				Not on ATS RIV-82-A-56	1 TRT			[REDACTED] 9/15/82 ASLB hearing [REDACTED] IR 83-12
AP-28	Supports for Class 5 lines adjacent to Class 3 lines could fail and cause a chain reaction resulting in the failure of the safety-related Class 3 lines.	Initial disposition IR 83-12				Not on ATS RIV-82-A-56	1 TRT			[REDACTED] 9/15/82 ASLB hearing [REDACTED] IR 83-12

7c

July 27, 1984

HANGERS

AQH - 2  
AH - 3  
5

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-



CONTROLLED COPY

Hangers, P. 1

COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE		BN/DATE	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE		ALLEGOR-DATE RECEIVED SOURCE DOCUMENT PAGE
			AMON	CONFID				OPEN	COMPLETE	
AQH-17	NCR written against a hanger has not yet been dispositioned. Concern that they will try to cover up with paper as oppose to fixing problem.			X			1 TRT			A-5 Interview 5/18 P. 35-36
AH-18	General foreman in charge of night crew pipe hangers is unqualified (no specific date, but predates 2/3/83).	Open		X			1 TRT			A-19 Affidavit of 2/3/83 P. 6-7
AQH-19	QC inspection of torque on hanger bolts is deficient.	Open		X			1 TRT			A-4 Affidavit of 3/31/84 P. 3
AH-20	Violation of pipe support tolerances around the pipe.	Open		X			1 TRT			A-4 Affidavit of 3/31/83 P. 3
AH-21	Pipe supports straightened using a sledge hammer.	Open		X			1 TRT			A-4 Affidavit of 3/31/83 P. 4

July 27, 1984

BOLTS

AB - 13

Key to Completion Category:

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-

Bolts, P. 1

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COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE ANON	CONFID	BN/DATE	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7	SCHEDULE	ALLEGED-DATE RECEIVED SOURCE DOCUMENT PAGE
AB-13	During installation of some 1,000 hangers bolts holes were drilled to large	Covered under summary disposition of gaps on seismic response (J. Fair)		X			1	OPEN	Interview w/A-5 5/18/84 P. 26-28

Bloch, Peter B.  
Administrative Judge  
Atomic Safety & Licensing Board Panel  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

J. COVO (FYI)  
ASLB  
Board Chairman  
(Technical & Intimidation)

EDUCATION: B.S., Tufts University, 1962  
LL.B., Harvard University, 1965  
LL.M., Harvard University, 1967

BAR ADMISSIONS: District of Columbia and Massachusetts

BACKGROUND:  
1965 - 1967

Teaching Fellow, Harvard Law School

1967 - 1968

Attorney Adviser/Finance, Securities and  
Exchange Commission (Division of Trading and Markets,  
Branch of Exchange Regulation)

1968 - 1976

Senior Research Associate and Project Manager, The Urban  
Institute

1976 - 1978

Executive Director, Commission on Law and the Economy of  
the American Bar Association

1978 - 1981

Assistant Director (Office of Hearings and Appeals) and  
Attorney Adviser/Public Utilities (Office of Opinions and  
Review, FERC), U.S. Department of Energy

1981 -

Administrative Judge, Atomic Safety and Licensing Board  
Panel, U.S. Nuclear Regulatory Agency

PUBLICATIONS:

Executive Director, Commission on Law and the Economy of  
the American Bar Association, Federal Regulation: Roads  
to Reform, D.C., (1979)

Policewomen on Patrol: Final Report, D.C., The Police  
Foundation, Volumes I and II, July 1974 and December 1974  
(with Deborah Anderson)

Managing Criminal Investigations, National Institute of  
Law Enforcement and Criminal Justice, LEAA, U.S. Depart-  
ment of Justice, D.C., June 1975 (with Donald Weidman)

Neighborhood Team Policing, National Institute of Law  
Enforcement and Criminal Justice, LEAA, U.S. Department of  
Justice, D.C., December 1973 (with David Specht)

Managing Investigations: The Rochester System, Police  
Foundation, D.C., 1976 (with James Bell)

Height and Certain Aspects of Performance of Police  
Officers, The Police Foundation, D.C., 1975 (with Tom  
White)

Auditing Clearance Rates, The Police Foundation, D.C.,  
1974 (with Cyrus Ulberg)

FOIA-85-597  
D/339

McCollom, Dr. Kenneth A.  
Associate Dean  
College of Engineering  
Oklahoma State University  
Stillwater, Oklahoma 74074

Primary Bd Member (Technical)

Born:

Education:

Ph.D., Electrical Engineering, Iowa State University, 1964  
M.S., Electrical Engineering, University of Illinois, 1949  
B.S., Electrical Engineering, Oklahoma State University, 1948

Background:

1973-present Associate Dean of Engineering, College of Engineering,  
Oklahoma State University  
1968-1973 Assistant Dean for Instruction, College of Engineering,  
Oklahoma State University  
1967-present Oklahoma State University - Associate Professor, 1964-1967  
1962-1964 Research Associate, Ames Laboratory and Institute for  
Atomic Research, Iowa State University, Ames, Iowa  
1951-1962 Phillips Petroleum Company, Atomic Energy Division,  
Idaho Falls, Idaho - Group Leader; Section Chief and  
Branch Manager  
Senior Research Engineer, Research Division at  
Bartlesville, Oklahoma  
- 1972- Member, Atomic Safety & Licensing Board Panel,  
USAEC, USNRC

Member:

Institute of Electrical and Electronics Engineers,  
Senior Member  
American Nuclear Society  
American Society for Engineering Education  
(Electrical Engineering Division Executive Committee and  
Chairman of its Divisional Development Committee,  
1968-1971  
National Society of Professional Engineers  
Oklahoma Society of Professional Engineers  
(Administrative Vice President, 1974-75)  
Registered Professional Engineer in State of Oklahoma



Jordan, Dr. Walter H.

Primary Bd Member  
(Technical & Intimidation)

Born:

Education:

A.B., University of Oklahoma, 1930  
M.S., University of Oklahoma, 1931  
Ph.D., California Institute of Technology (Physics),  
1934

Background:

1934-41 Professor of Physics, University of South Dakota  
1941-46 Radiation Laboratory, Massachusetts Institute  
of Technology  
1946-73 Oak Ridge National Laboratory, Oak Ridge, Tenn.  
1946-52 - Physics Division  
1952-55 - Director's Division  
1955-58 - Director, ANP Project  
1958-60 - Director, Reactor Projects Division  
1961-71 - Assistant Director, ORNL  
1973 Retired from ORNL  
1965- Professor of Nuclear Engineering, University  
of Tennessee (part time)  
1970- Member, Atomic Safety & Licensing Board Panel,  
USAEC, USNRC

Member:

Fellow - American Nuclear Society (former Bd. Member)  
American Physical Society  
Member - American Association for Advancement of  
Science (AAAS)  
Phi Beta Kappa  
Sigma Xi

Publications:

Reports and book on Radar Receivers  
Articles on Nuclear Instrumentation and Reactor  
Controls  
Reports on Nuclear Propulsion of Aircraft; Gas  
Cooled Reactors for Central Station Power Plants  
Advisory Editor: Journal "Nuclear Safety"

March, 1975

Johnson, Elizabeth B.  
Union Carbide Corporation  
Oak Ridge National Laboratory  
Oak Ridge, Tennessee 37830

*Helping to Review Information  
for Technical Bd Members*

Born:

Education: BS, Western Kentucky University, 1943  
MS, Vanderbilt University, 1952

Background:

1948-50 Research, Carbide & Carbon Chemicals Corp., Oak Ridge  
Gaseous Diffusion Plant, Laboratory Division, ORNL  
1950-61 Research, Union Carbide Corp., Nuclear Division, Bulk  
Shielding Facility, ORNL  
1961-68 Physicist, Union Carbide Corp., Nuclear Division, Critical  
Experiments Facility, ORNL  
1968-75 Physicist, Union Carbide Corp., Nuclear Division, Y-12  
Plant, Critical Experiments Facility, ORNL  
1975-Present Engineer, Union Carbide Corp., Nuclear Division,  
Engineering Division, RDT Standards Office, ORNL  
1975-Present Member, Atomic Safety & Licensing Board Panel, USNRC,  
Washington, D. C.

Member:

American Nuclear Society & Oak Ridge Section of ANS  
American Association of Physics Teachers  
Southeastern Section, American Physical Society  
New York Academy of Sciences  
Sigma Xi

Publications: Numerous U.S.A.E.C. reports from ORNL and Y-12 Plant;  
several publications in Trans. Am. Nucl. Soc.

Grossman, Herbert  
Atomic Safety and Licensing Board Panel  
U.S. Nuclear Regulatory Commission  
Washington, D. C. 20555

*Primary Bd member*

*(Intimidation Only)*

Born:



Education:

1951	Bronx High School of Science
1955	B.A., Cornell University (Government)
1958	LL.B., Columbia University
1961	LL.M., Georgetown University

Background:

1958 - 1960	United States Army
1961 - 1964	Tax Law Specialist, Internal Revenue Service
1964 - 1966	Appellate Attorney, Tax Division, U.S. Department of Justice
1966 - 1972	Trial Attorney (U.S. District Courts) Tax Division, U.S. Department of Justice
1972 - 1979	Senior Trial Attorney (U.S. Court of Claims), Tax Division, U.S. Department of Justice

Member:

New York Bar  
Register of Administrative Law Judges  
U.S. Court of Appeals Bars for the 4th, 5th, 6th and  
7th Circuits  
U.S. Supreme Court Bar  
U.S. Court of Claims Bar  
American Bar Association

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# COMANCHE PEAK TRT CONTRACTOR TIME RECORD

Name \_\_\_\_\_

Week Ending \_\_\_\_\_

Organization \_\_\_\_\_

Jose A. Cruz

Hours

		Travel	Allegation Preparation	Allegation Insp/Followup	Allegation Documentation	Total	<u>July 27 Aug 5</u>	
July 8	July 15							
7	Sun 5					8	12	
8	Mon 12					12	12	
10	Tue 14					13	12	
14	Wed 10					13	12	
14	Thur 10					12	14	
14	Fri 16					12	12	
8	Sat					13		

$$\begin{array}{r} 75 \\ 40 \\ \hline 35 \end{array}$$

$$\begin{array}{r} 67 \\ 50 \\ \hline 27 \end{array}$$

$$\begin{array}{r} 83 \\ 40 \\ \hline 43 \end{array}$$

$$\begin{array}{r} 74 \\ 40 \\ \hline 34 \end{array}$$

Note: Provide estimated hours for return travel.

Compensation Time  
32 hrs

$$\begin{array}{r} 32 \\ 24 \\ \hline 56 \text{ hrs} \end{array}$$
Compensation Time

$$\begin{array}{r} 40 \\ 24 \\ \hline 64 \end{array}$$

$$\begin{array}{r} 20 \\ 8 \\ \hline 28 \end{array}$$

FOIA-85-59

D/362



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

OFFICE OF  
INSPECTION AND  
ENFORCEMENT

*Jose A. Calvo*

*Compensation Time*

<u>July 29</u>	<u>Augus. 5</u>	
<del>2</del> 2	4	Sunday
5	5	Monday
5	5	Tuesday
5	5	Wednesday
5	5	Thursday
5		Friday
5		Saturday
<u>32</u>	<u>24</u>	





UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

OFFICE OF  
INSPECTION AND  
ENFORCEMENT

Jose A. Calvo

Compensation From Time

<u>August 26</u>	
<u>TO</u>	
<u>SEPT. 3</u>	
2	SUNDAY
5	MONDAY
6	TUESDAY
X 0	WEDNESDAY
X 3	THURSDAY
0	FRIDAY

Sept 6, 1984

with compensating time

WNS  
RECORD

NRC - TRT  
COMMITTEE PERK Units 1 & 2  
ELECTRICAL GROUP ATTENDANCE

JULY 8 - 20, 1984

J. CALVO  
H. LI  
A. JOHNSON  
B. MARINI  
G. MYERS  
J. SELAN

JULY 8 - 14, 1984

B. WHITE

JULY 15 - 20, 1984

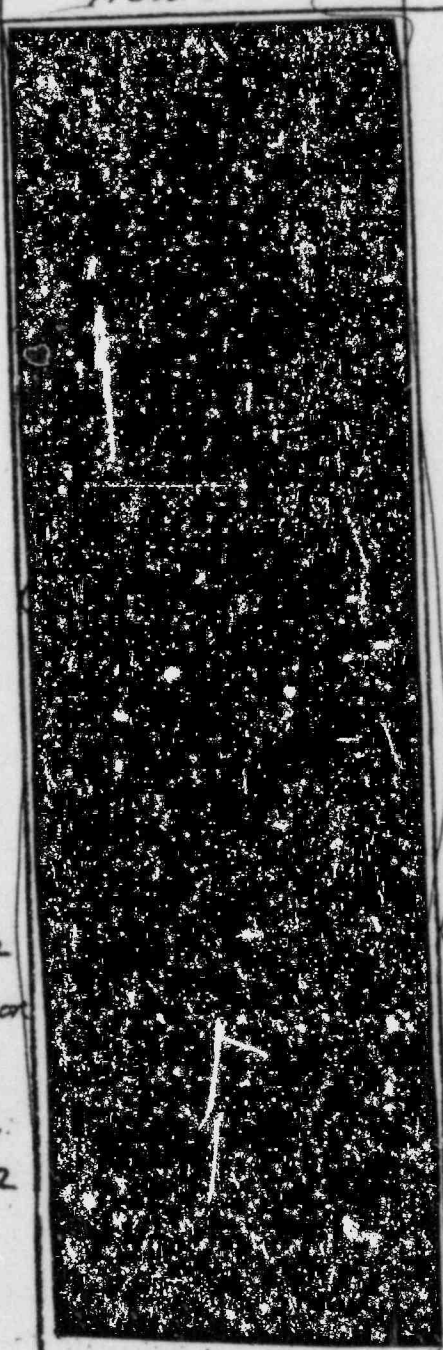
D. LAUDENBACH

JULY 30 - AUGUST 9

J. CALVO  
A. JOHNSON  
B. MARINI  
G. MYERS  
J. SELAN

NRC - TECHNICAL REVIEW TEAM (TRT)  
COMANCHE PEAK, UNITS 1 AND 2

ELECTRICAL GROUP - TELEPHONES


NAME	OFFICE	HOME	REMARKS
JOSE A. CALVO	(301) 492-7140		
HUBERT LI	(301) 492-9452		
AL JOHNSON	(817) 860-8157 FTS-8-728-8157		
BILL MARINI	(419) 535-5743 (419) 535-7644		
GEORGE MYERS	NA		
BOB WHITE	(702) 295-2411 or 2412 FTS-8-575-2411 or 2412		(714) 492-264 (SAN ONTERR)
JIM SELAN	(702) 295-2422 FTS-8-575-2422		
DON LAUDENBACH	(415) 838-3359		

NRC - TECHNICAL REVIEW TEAM (TIRT)  
COMANCHE PEAK, UNITS 1 AND 2

ELECTRICAL GROUP - ADDRESSES

JOSE A. CALVO

HOME:



OFFICE:

U.S. NUCLEAR REGULATORY COMMISSION  
MAIL STOP P-1030  
WASHINGTON, D.C. 20555

JIM SELAN, BOB WHITE



WAYNE REEVES - GROUP LEADER - ELECTRONICS  
(LAS VEGAS)



R. L. DRAPER - ACTING RESIDENT MANAGER  
NEVADA OPERATIONS  
(MERCURY, NV.)



BOB KUCKUCK - DEPUTY ASSOCIATE DIRECTOR  
FOR NUCLEAR TESTING  
(LIVERMORE, CA)



BOB WHITE

Jim Sew

Don Landen Rich

EXPERIENCE

TOTAL :

19

12

15

Nucleonics:

5

5

4

George Myers

TOTAL :

12

Nuclear:

10

AL Johnson

16

11

BILL MARINI

TOTAL :

14 (Guess)

NUCLEAR:

10

HUBERT LI

22

20

TOTAL yrs of CORPUS EXPERIENCE = 98 + H.Li + B.M. = 138

TOTAL yrs of <sup>INDUSTRY</sup> NUCLEAR EXPERIENCE = 45 + H.Li + B.M. = 83

George Myers work No. (205) 972-8065

Jose Cruz

TOTAL

28

Nuclear

18

Richard Bangart, Director  
Region IV Task Force

Doyle Hunnicutt,  
Region IV Team Leader

Shannon Phillips,  
SRI Construction,  
Unit 2

-MC 2512  
Completion

Support to J. Cummins  
on Unit 1 program  
completion

James (Bud) Cummins,  
SRI Construction,  
Unit 1

-50.55(e) Reports

-IE Bulletins

-Open Inspection Items

-SER Followup

-MC 2512 Completion

-Allegations-  
miscellaneous

Dennis Kelley,  
SRI Operations,  
Unit 1

-Preop Testing

-MC 2513  
Completion

-SER Followup

Ward Smith,  
RI Operations,  
Unit 1

-TRT member

-Preop Testing

-MC 2513  
Completion

Doyle Hunnicutt  
Chet Oberg  
Mike Skow  
Unit 1 Room  
Turnover Inspec-  
tion Team

-Safeguards  
Building

-Auxiliary  
Building

Region IV  
Based Inspectors

-Fire Protection  
(M. Murphy)

-Radiation  
Protection  
(B. Murray)

-Emergency  
Preparedness  
(J. B. Baird)

-Physical Security  
(J. Kelly)

-Allegations-  
miscellaneous

REGION IV NTOL TASK FORCE EFFORTS

WATERFORD

W. A. Crossman (SER)  
G. L. Constable SRI  
T. A. Flippo RI  
1 Operations Closeout ) through  
1 Construction Closeout) August 1984

COMANCHE PEAK

Inspection

Region IV Director - R. L. Bangart  
Section Chief - D. M. Hunnicutt  
C. R. Oberg  
M. E. Skow  
D. L. Kelley, SRI-OPS  
J. E. Cummins, SRI-C  
H. S. Phillips, SRI-C

TRT

NRR Director - T. Ippolito  
Region IV Assignments  
J. E. Gagliardo, Dep. Dir.  
C. Hale - QA  
A. R. Johnson - Electrical  
J. I. Tapia - Civil/Structural  
C. Johnson - Coatings  
W. F. Smith - Test Program

WOLF CREEK

See other Charts

ROBERT MARTIN  
RIT REGIONAL ADMINISTRATOR  
(REPLACING John Collins  
Oct 1, 1984)

(LESS TASK FORCES)

(Paul)  
P. S. CHECK  
ACTING DIRECTOR,  
DIVISION OF REACTOR  
PROJECTS & SAFETY

W. SEIDLE, TECHNICAL ASSISTANT

REACTOR PROJECT  
BRANCH 1  
E. JOHNSON, CHIEF

REACTOR PROJECT  
BRANCH 2  
D. HUNTER, CHIEF

REACTOR PROJECT  
SECTION A  
J. JAUDON, CHIEF

REACTOR PROJECT  
SECTION B  
BILL CROSSMAN

ENGINEERING AND  
SPECIAL PROJECTS  
R. IRELAND, ACTING  
CHIEF

K. WHITTLESLEY  
L. ELLERSHAW

OPERATOR LICENSING  
GROUP

R. COOLEY  
J. PELLET  
S. MCCRORY

R. BENNETT  
W. MCNEILL  
C. HARBUCK  
G. MADSEN (QUADREX RPT)

STP

D. TOMLINSON, SRI-C  
D. CARPENTER, RI-O

CNS

D. DUBOIS, SRI-O

RIVER BEND

D. CHAMBERLAIN, SRI-O  
R. FARRELL, SRI-C

A. Johnson

P. WAGNER - FSV PM  
D. POWERS - TECH REVIEWER  
M. MURPHY - SALP (F.P.)  
J. BOARDMAN - QA REVIEWER  
FSV  
G. L. PLUMLEE, SRI-O

AND

W. JOHNSON, SRI-O  
P. HARRELL, RI-O

FCS

L. YANDELL, SRI-O



*SYNOPSIS OF RESUME OF  
JOSE A. CALVO*

EMPLOYMENT

12/83 - PRESENT  
(1 YR)

INSTRUMENTATION AND CONTROL SYSTEMS  
SECTION LEADER, U.S. NUCLEAR REGULATOR,  
COMMISSION, OFFICE OF NUCLEAR REACTOR  
REGULATION, BETHESDA, MARYLAND.

12/80 - 12/83  
(3 YRS)

PRINCIPAL REACTOR SYSTEMS ENGINEER. U.S. Nuclear  
Regulatory Commission, Office of Nuclear Reactor  
Regulation, Bethesda, Maryland.

12/79-12/80  
(1 YR)

TECHNICAL ADVISOR. International Atomic Energy Agency,  
Vienna, Austria. Assignment with the Mexico National  
Nuclear Safety and Safeguards Commission, Mexico City.

6/72-12/79  
(7 YRS)

SENIOR REACTOR ENGINEER/PRINCIPAL ELECTRICAL SYSTEMS  
ENGINEER. U.S. Nuclear Regulatory Commission, Office  
of Nuclear Reactor Regulation, Bethesda, Maryland.

6/69-6/72  
(3 YRS)

ENGINEERING SPECIALIST. Bechtel Corporation, Power and  
Industrial Division, San Francisco, California.

7/66-6/69  
(3 YRS)

FELLOW ENGINEER. Westinghouse Electric Corporation,  
Pressurized Water Reactor Division, Pittsburgh,  
Pennsylvania.

2/57-7/66  
(9 YRS)

SENIOR ENGINEER. Louisiana Power and Light Company,  
Production Department, New Orleans, Louisiana.



DRAFT

ROUTING AND TRANSMITTAL SLIP		Date
TO: (Name, office symbol, room number, building, Agency/Post)		Initials
1.		Date
2.		
3.		
4.		
5.		
Action	File	Note and Return
Approval	For Clearance	Per Conversation
As Requested	For Correction	Prepare Reply
Circulate	For Your Information	See Me
Comment	Investigate	Signature
Coordination	Justify	
REMARKS		

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions.

FROM: (Name, org. symbol, Agency/Post)	Room No.—Bldg.
	Phone No.

5041-102

OPTIONAL FORM 41 (Rev. 7-76)  
Prescribed by GSA  
FPMR (41 CFR) 101-11.606

FOIA-85-59  
D/366

SRT A-3

CONTROLLED COPY

Electrical, P. 1 8/27/84

COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE ANON CONFID	CATEGORY IR/DATE	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE OPEN COMPLETE	ALLEGOR-DATE RECEIVED SOURCE DOCUMENT PAGE
AE-25	Electrical QA Supervisors only authorized to obtain NCR member for draft. Also, this policy contradicted TUGCO (CPSES) site procedure.	Initial disposition IR 81-04		45		1 TRT		IR 81-04 P. 16-18
AE-26 NO PROBLEMS	Wires of two different gages were terminated at some lugs and many terminations are loose.	CONCERN WITH NCR. LOOK UP 16 S-R PANELS. PROPER SIZE LUGS WITH RELATIVE CABLE SIZE AND SCREW SIZE. TIGHTEN UP ON ONE BAR & CHANGE WIRE AND TERMINAL LUGS ON TERMINAL BLOCKS. WORKMANSHIP FROM SHED ITEMS AS SHAVED LUGS, WASHERS & BEND RADII		1 2 45	3 OTHER ALLEGATIONS	1 TRT	TERMINATIONS	Comanche Peak Review (CPR) of installation report during 4/3-13/84 Appendix A Inspector A-3
AE-27 PROBLEM BUT NS-IT	Loose LB fittings at east and south ends of unit diesel generators. Wrote two NCRs. It was accepted as is.			1 2 45		1 TRT	CONDUIT INSTALLATION NCRs PROB. ADMINISTRATIVE	CPR of installation report during 4/3-13/84 Appendix A Inspector A-3
AE-28 NO PROBLEMS	Cables not terminated in workmanlike manner in Unit 1 cable spread room and junction boxes 1058 and 1059. NRC said OK because cable radius was OK but it did not admit workmanship problem.			1 2 137		1 TRT	CABLE INSTALLATION	CPR of installation report during 4/3-13/84 Appendix A Inspector A-3
AE-29	Added higher sides to some cable trays to keep cables in trays (Note for TRT: Consider the cable tray fill aspects of this allegation. Address this under electrical Category 13.)	FOUND TWO LOOSE FITTINGS IN DIESEL ROOM. EQUIPMENT ACCESSIBLE WITH MINOR PLANNED A SECONDARY ROLE NCR WAS FOUND DEFICIENT. SEE AE-15. PROBABLY REVISIT		2 137		1 TRT		CPR of installation report during 4/3-13/84 Appendix A Inspector A-6
AE-28		NOUSHERLY-HEATED CABLES. INSPECTED 2,000' OF S-R CABLES AND FOUND NO INSTANCES OF IMPROPER TAPPING, TRASH, HAZARDOUS DEBRIS, OR POOR WORKMANSHIP		1 2 137	1 OTHER ALLEGATION			

COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

ALLEGATION OR CONCERN

68-304-  
Repaired solenoid without  
paperwork. No information  
regarding safety classifi-  
cation of solenoid. Good  
job was done in repairing  
solenoid.

Procedures were changed to match inspection (e.g., loose terminations found in filigree).

AQE-40 NCRs are answered simply.  
that the problem is not  
addressed in ES-100.

AGE-41 NCA written because  
restraint cable (lighting)  
crimp gages were worn and  
thus inspection was inade-  
quate. Still being  
evaluated.

ARF-41

LATS CAN MAKE, PROCEEDED  
AND THE TRACIBILITY  
EVIDENCE THAT THE  
MATERIALS WAS  
NOR IN THE CALIBRA-  
TION AND FOUND THE  
DISPOSITION BY  
ACCOMPLISH WITH  
SIMILAR RECEPTION  
BANKER BY AUSTIN  
T-SHIRT IN DIVISION  
d J BORDONE THAT

ALICE GRANT JR. 7117 21116 GOLF  
RICHARD T. GRANT JR. 21116 GOLF

[illegible]

DATE	DESCRIPTION	ACTION/STATUS
10/1/80	...	...
10/2/80	...	...
10/3/80	...	...
10/4/80	...	...
10/5/80	...	...
10/6/80	...	...
10/7/80	...	...
10/8/80	...	...
10/9/80	...	...
10/10/80	...	...
10/11/80	...	...
10/12/80	...	...
10/13/80	...	...
10/14/80	...	...
10/15/80	...	...
10/16/80	...	...
10/17/80	...	...
10/18/80	...	...
10/19/80	...	...
10/20/80	...	...
10/21/80	...	...
10/22/80	...	...
10/23/80	...	...
10/24/80	...	...
10/25/80	...	...
10/26/80	...	...
10/27/80	...	...
10/28/80	...	...
10/29/80	...	...
10/30/80	...	...
10/31/80	...	...

February 2003

BN/DAY

CROSS REF./OR  
TRACKING  
SYSTEM NO.

COMPLETION  
CATEGORY 1-7

**SCHEDULE**  
**OPEN COMPLETE**

ALLEGED-DATE RECEIVED  
SOURCE  
DOCUMENT PAGE

CPR of installation  
report during 4/3-13  
Appendix A, Inspector

CPR of installation  
report during 4/3-13/84  
Appendix A, Inspector A-2

CPR of Installation  
report during 4/3-13/84  
Appendix A, Inspector A-3

CPR of installation  
report during 4/3-13/84  
Appendix A, Inspector 4-3

CPR of installation  
report during 4/3-13/84  
Appendix A, Inspector A-3

[illegible]

AGE-40

we could not  
find any NEA  
savings  
not addressed  
in 45-100  
Letter Review  
015 Youth Bureau  
to programmatic  
review and  
overseas position

1911-1912

SRT A-3

Electrical, P. 8121188

BN/DATE  
P S  
851118

45

ATLANTA 441025

PROCESSES  
PROGRAMMATIC  
TECHNICAL

NC 129

PARAGRAPH  
SEPARATION

NCIS

*Paraphanatic*



SAT A-3

CONTROLLED COPY

COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7	ALLEGED-DATE RECEIVED SOURCE DOCUMENT PAGE
Have more pressure during turnover not to write NCR.					
<p>1. NCRs were written falsely (without reinspection) to clear EIRMs on cable trays. Information originated from individuals in PGC and docu-ment vault. (NCRs paper found below)</p> <p>2. Uncomfortable with some use-as-is situations, e.g., cable separation problem found in fuel building during walkdown. It did not meet procedure but was evaluated as use-as-is.</p>	<p>1. NCRs were written falsely (without reinspection) to clear EIRMs on cable trays. Information originated from individuals in PGC and docu-ment vault. (NCRs paper found below)</p> <p>2. Uncomfortable with some use-as-is situations, e.g., cable separation problem found in fuel building during walkdown. It did not meet procedure but was evaluated as use-as-is.</p>				
<p>3. NCR on 5 thread engagement and other NCR on the same area for cable damage. It seemed to be looking for a way to buy this area off. NCRs were poorly handled.</p>					

CASE A-44

ALLEGED

Civil; Electrical,  
Miscellaneous

CONFIDENTIAL

Also Test Prog.

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
3	AQC-52	R. Philleo	Field-cured cylinders which fail specification requirements
4 Control Room Cable Fixtures Supports	AE-17 (CASE ltr of 2/1/83 to IE + OELD)	J Calvo, J Johnson	Control room area deficiencies (field run conduit, drywall, and lights)
	AM-22 (CASE ltr of 3/11/83)	① ② ③ TERMINATE LUGS ④ CABLE SPLICING ⑤ CABLE INSTALLATION	the Ticensee has not analyzed the heating, ventilating, and air conditioning system (HVAC) supports for seismic loads; that all HVAC components and supports inside containment were not properly considered in regard to their treatment as missiles; that the HVAC system is not properly supported; and, that HVAC failure during a postulated accident would allow the temperatures to rise to an unacceptable level inside containment.
1 ELECTRICAL CABLE TERMINA- TIONS 7 ELECTRICAL CABLE INSTALLATION	AE-13	Calvo NCRG DISPENS ① PATCHING/REPAIRING OF DAMAGED CABLE, FAULTY GROUNDING AND WIRING NOT PROTECTED FROM ABRASIONS	Improperly installed electrical components 82-29 & 50-446/82-1 • MCC CWS USED TERMINAL LUG FOR 1000 MCM CABLE ① • AUX BLOC, REACTOR 1 lug for screw size OF 3/8" USED ON TERMINAL BLOCK FOR #10 SCREWS ② • SWITCHGEAR ROOM, REACTOR 1, BLACK CABLE LUG DESIGNED FOR 1/4" SCREWS USED ON #10 SCREWS TERM. BLOCKS ③ • ANNUNCIATOR LOGIC PULSES, CONTROL ROOM REACTOR 1 BLACK CABLE, IMPROPER CABLE

P 5



# CONCERNS

ALLIAGE SRT A-5

██████████ ("T shirt")

- ① Terminations
- ② Procedure Problems
  - Found procedure with procedure associated with terminations
- ③ NCR - bent legs in MCCs

Electrical

573-2735

817-965-6245

RCTing called 8/1/84

6-6:30 THUR

Scrap conduit  
passing by  
Ravens  
scrap conduit  
indicating  
function block  
were NS-R

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
P 8 S 1	AQE-46 Procedure QI-QP-11.3-40 • New - safety NOT COVERED BY PROCEDURE • Thomas & Butts RPI2 CRIMP TYPE INSULATED CONDUIT • RGM WAS IN CONFORMANCE - AQE-47 PROBLEM	ANOTHER T-SHIRT DRAWN IT THIS AQE-39 ██████████	IN LIGHTING SYSTEM TERMINAL BOXES Problems with post check, e.g., loose lighting termina- tions and junction boxes, took lighting out of pro- cedure and made it more difficult to look at junction boxes. Manage- ment was made aware of these concerns. (HAS NO SIGNIFICANT SAFETY CONCERN)  True - Proced. Chg. OK
P 5	AQE-48	Same as AQE-47 "also AS 1st rep. vs rep."	Use-as-is when pressure is on (safety requirements as being met) however  True - sample of 75 extra Eng's review UK
P 8	AQE-52 Before Rev 16 large equipment were not specifically addressed - Section 3.1.2 covered this 6.9 KV CONDUIT AE-53	Brought by in deposition did not agree	6.9 KV motors are not being inspected by procedure QIQP11.3-40, Rev. 15 (2/13/84) True, Proc. Change! This OK
P 3	AQE-41	Conduits NS-R NCR disposition as-is Brought assigned PS of rats	Conduits ESB 1-41 and C14K30975 were separated by prying ESB 1-41 with price of scrap conduit NCR E84-0070 as written  Non-Signif. Rel. Alleg true.
		QA Review	lighting cable ceiling trouble

WITNESS A-38 ~~1-5-87 A-38~~

ALLOCATION	CATEGORY	
	P	S
AQE-1	5	
AQE-2	5	
AQE-3	5	2
AQE-4	5	2, 6 (Page
AQE-5	5	7 (Page 3)

} A-38

AQE-46	8	1
AQE-47	5	
AQE-46	5	
AQE-52	7	
AE-53	3	

1  
A-2

8/7-573-2611

CONFIDENTIAL

TRT personal  
interview 9/11/84

Granbury TX

3 PM Thru

LEGER

A-38

Mechanical/Piping, electrical

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
44	AQP-22	D. Hansen	NCR written and submitted but was never approved or distributed
31	AP-18 through AP-22	R. Masterson	Hanger welding problems
32	AH-9, AH-11	R. Masterson	Hanger fabrication problems
42	AW-41, AQW-33	C. D. Richards	Weld repairs not in accordance with procedure; too many repairs, and ANI quit
	AQE-1	J Calvo / A Johnson	Instructed not to write NCR Control Room of Unit 1 - electrical cables were being removed w/o proper documentation
	AQE-2		Cable was being removed w/o documentation from the Safeguards Building. Was not sure NCR was placed in the system
	AQE-3		Asked to disposition an NCR where flex conduit in the fuel Building was replaced but not repaired as described by an NCR
	AQE-4		Forced to close out NCR not qualified to close out
	AQE-5		Unit 1 Craft needed an NCR closed to proceed w/pulling cable. Problems with the cable tray had not been corrected. (Trash in cable tray; cuts in part of the cable, cable was interwoven). Supervisor got another inspector to close out.

 DX - 84-05  
 6/21/84  
 Interview of 4/1/84

 75 NCRs Sampled  
 no action taken  
 no violations  
 P.p.c. OK

 No specification - do you  
 have any?

ALLIANCE SRT A-6

RC King called 8/30/84  
(still onsite)

[REDACTED] ("T Shirt")

Electrical

CATEGORY  
NUMBER

ALLEGATION  
NUMBER

REVIEWER

SUBJECT

AE-29

Added higher sides to some  
cable trays to keep cables  
in trays (Note for TRT: Con-  
sider the cable tray fill  
aspects of this allegation.  
Address this under electrical  
Category 13.

AE-30

Density/Compaction Problems

AE-31

Problems with clearance  
of pipe and cables. Have  
to notch insulation, place  
metal between insulation  
and trays.

AQE-49

lot of rework to get  
separation



ALLEGED SRT A-2

*Electrical*

*1-*

CATEGORY  
NUMBER

ALLEGATION  
NUMBER

REVIEWER

SUBJECT

AQE-33

Concern with use-as-is NCR situations, particularly when using ES-100.

*Sample 75  
No probs ID*

AQE-34

NRC addressing cable damage during biso seal removal using a threaded rod. Occurred in Aux. Bldg. elev. 832'. Insulation was scraped off by rod. Further evaluation may be in order for these cables. Similar problems may be elsewhere.

*Specific*

AQE-35

Two NRCs regarding traceability of fuse blocks. Blocks were not marked "Q". NCR said OK as-is because no non-Q blocks were purchased via order MS-605. Other non-Q block may have been purchased via different purchase others and have been installed as Q. Possible paper work problem.

AQE-36

Wrote recent NCR on GE motor control centers. Compression lugs have bends as much as 180 degrees in violation of procedures. Broken wire strands are being fixed as they are found.



ALLIGEC SRT A-2

-2-

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
	AQE-37		Paperwork conflict regarding rework of terminate blocks. Six page RFIC and procedure SAP-6 involved. Wrote two NCRs. NRC inspectors Creek and Johnson were aware. Never received feedback.
	AQE-38		Repaired solenoid without paperwork. No information regarding safety classification of solenoid. Good job was done in repairing solenoid.

Electrical Allegation Review Categories

AUG 17 1984

8/27/84

1,2,11,17

Category No.	Subject	Est. Mandays to Complete	Allegation Nos.	Package Prepared	Assigned to	Schedule		Remarks
						Open	Close	
1	Electrical Cable Terminations		(AQE-7 <del>part</del> ), (AQE- <del>8 part</del> ), AQE-12, AE-13, AE-16, AE-18, AE-22, AE-26, AQE-36, (AQE-37 <del>part</del> ), (AQE-39 part), (AQE-46 part)		Marini	7/31/84		
2	Electrical Cable Tray and Conduit Installation		(AQE-3 <del>part</del> ), (AQE-4 <del>part</del> ), AQE-10, AE-14, (AE-24 <del>part</del> ), AE-27, AE-29, AE-31, AH-14		Myers	7/31/84		
3	Electrical Equipment Separation		AQE-6, AQE-11, AE-15, AE-20, (AQE-44 part), AQE-49, AE-51, AE-53 AQE-54		Johnson and Li	8/4/84		
<del>Blank</del>								
4	Control Room Ceiling Fixture Supports		AE-17		Myers	8/10/84		
5	Electrical NCR Activities		AQE-1, AQE-2, AQE-3, AQE-4, AQE-5, (AQE-12 part), AQE-25, (AE-22 part), AE-24, (AE-27 part), AQE-33, AQE-34, AQE-35, (AQE-36 part), AQE-37, AQE-38, AQE-40, (AQE-41 <del>part</del> ), AQE-42, AQE-45, AQE-47, AQE-48, (AE-50 part)		Selan or White and Laudensch	7/30/84		

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~~8~~ Blank

FOIA-85-59

D/369

Electrical Allegation Review Categories (continued)

6/17/84  
8/27/84

<u>Category No.</u>	<u>Subject</u>	<u>Est. Mandays to Complete</u>	<u>Allegation Nos.</u>	<u>Package Prepared</u>	<u>Assigned to</u>	<u>Schedule</u>		<u>Remarks</u>
						<u>Open</u>	<u>Close</u>	
<del>9</del>	Blank							
<del>10</del> 6	Electrical QC Inspector Training/Qualifications		(AQE-4 part), <del>AQE-6</del> <del>part</del> , AQE-8, (AQE-12 part)		Selan and White,	7/26/84		
<del>11</del>	Blank							
<del>12</del>	Blank							
<del>13</del> 7	Electrical Cable Installation		(AQE-5 part), AE-19, AE-28, (AE-29 part), AE-30, AE-50, SRT-10		Marini	7/31/84		
<del>14</del>	Blank							
<del>15</del> 8	Electrical Procedures		(AQE-6 part), (AE-18 part), (AE-20 part), AQE-23, <del>(AQE-37 part)</del> , AQE-39, AQE-44, AQE-46, AQE-52		Johnson and Li	8/4/84		
<del>16</del> 9	Electrical Inspection Reports, Inspection Item Removal Notices, and In-Process Inspections		AQE-7, AQE-43		Selan	8/3/84		
<del>17</del>	Blank							
<del>18</del>	Blank							

QA/QC QC Inspection  
No. 6

AQE-41

NRC - TECHNICAL REVIEW TEAM (TRT) 8/27/84  
COMANCHE PEAK, UNITS 1 AND 2

ELECTRICAL ALLEGATIONS & CATEGORIES CROSSREFERENCE

P: PRIMARY CATEGORY  
S: SECONDARY CATEGORIES

ALLEGATION NOS		CATEGORY NOS											REMARKS
OLD	NEW	OLD	1	2	3	5	6	10	13	15	16		
		NEW	1	2	3	4	5	6	7	8	9		
SAME	AQE-1						P						
SAME	AQE-2						P						
SAME	AQE-3						P						
SAME	AQE-4						P	S					
SAME	AQE-5						P		S				
SAME	AQE-6				P					S			
SAME	AQE-7										P		
SAME	AQE-8							P					
SAME	AQE-9												TRANSFERRED TO QA/QC
SAME	AQE-10		P										
SAME	AQE-11			P									
SAME	AQE-12		P				S	S					
SAME	AE-13		P										
SAME	AE-14			P									
SAME	AE-15				P								
SAME	AE-16		P										
SAME	AE-17				P								
SAME	AE-18		P							S			
SAME	AE-19								P				
SAME	AE-20				P					S			
SAME	AQE-21												TRANSFERRED TO TEST PROGRAMS
SAME	AE-22		P				S						



**NRC - TECHNICAL REVIEW TEAM (TRT) 8/27/84**  
**COMANCHE PEAK, UNITS 1 AND 2**

**ELECTRICAL ALLEGATIONS & CATEGORIES CROSSREFERENCE**

P: PRIMARY CATEGORY  
S: SECONDARY CATEGORIES

ALLEGATION NOS		CATEGORY NOS											REMARKS
OLD	NEW	OLD	1	2	3	5	6	10	13	15	16		
		NEW	1	2	3	4	5	6	7	8	9		
SAME	AQE-23									P			
SAME	AE-24						P						
AQE-13	AQE-25						P						
HE-30	AE-26	P											
AE-31	AE-27		P				S						
AE-32	AE-28								P				
AE-33	AE-29		P						S				
AE-34	AE-30								P				
AE-35	HE-31		P										
AQE-30	HQE-32									P			
AQE-31	AQE-33						P						
AQE-32	AQE-34						P						
AQE-33	AQE-35						P						
AQE-34	AQE-36	P					S						
AQE-35	AQE-37						P						
AQE-36	AQE-38						P						
AQE-37	AQE-39	S								P			
AQE-38	AQE-40						P						
AQE-39	AQE-41						P					ALSO ADDRESSED QA/QC CAT. NO. 6 "QC INSPECTION"	
AQE-40	AQE-42						P						
AQE-41	AQE-43									P			
AQE-42	AQE-44			S						P			

NRC - TECHNICAL REVIEW TEAM (TRT) 8/27/84  
COMANCHE PEAK, UNITS 1 AND 2

### ELECTRICAL ALLEGATIONS & CATEGORIES CROSSREFERENCE

P: PRIMARY CATEGORY

1: PRIMARY CATEGORIES  
3: SECONDARY CATEGORIES

[illegible]

MASTER

MASTER

8/c/84

CP ALLEGATIONS CHART

Rev. 1: July 27, 1984

		No. of Line Items
AQ	QA/QC (GENERAL)	84
AQW	Welding	
AW	QA/QC	31
	Construction	35
AQC	Concrete/Rebar	
AC	QA/QC	15
	Construction	28
AQO	Coatings	
AO	QA/QC	31
	Construction	11
AQE	Electrical	
AE	QA/QC	
	Construction	
AQP	Pipe & Pipe Supports (Non W/D)	
AP	QA/QC	3
	Construction	14
AQH	Hangers	
AH	QA/QC	2
	Construction	11
AQB	Bolts	
AB	QA/QC	3
	Construction	8

~~21-13~~ } SET  
~~8-18~~

8/6/87

Rev. 1: July 27, 1984

AI	Intimidation	30
AM	Miscellaneous	23
AD	Design of Pipe/Pipe Supports	19
AV	Vendor/Generic	18
AT	Test Program	13
AA	Independent Assessment Program	7
	Total	404



8/6/84

Rev. 1: July 27, 1984

## CP ALLEGATIONS CHART, ADDENDUM 1

		No. of Line Items Original	No. of Line Items Addendum 1	No. of Line Items Total
AQ	QA/QC (GENERAL)	84	25	109
AQW	Welding			
AW	QA/QC	31	1	32
	Construction	35	1	36
	Concrete/Rebar			
AQC	QA/QC	15	0	15
AC	Construction	28	1	29
	Coatings			
AQO	QA/QC	31	1	32
AO	Construction	11	0	11
	Electrical			
AQE	QA/QC	2	2	13
AE	Construction	5	5	10
	Pipe & Pipe Supports (Non W/D)			
AQP	QA/QC	3	1	4
AP	Construction	14	5	19
	Hangers			
AQH	QA/QC	2	2	4
AH	Construction	11	1	12
	Bolts			
AQB	QA/QC	3	0	3
AB	Construction	6	1	9

8/6/84

Rev. 1: July 27, 1984

AI	Intimidation	30	1	31
AM	Miscellaneous	23	6	29
AD	Design of Pipe/Pipe Supports	19	0	19
AV	Vendor/Generic	18	0	18
AT	Test Program	13	4	17
AA	Independent Assessment Program	7	0	7
	Total	403	57	460

8/6/84

Rev. 1: July 27, 1984

ELECTRICAL

AQE - 13  
AE - 10  
23

Key to Completion Category:

- 1 - Prior to OL
- 2 - Fuel Loading
- 3 - Initial Criticality
- 4 - Zero Power Testing
- 5 - Low Power Testing
- 6 - Power Ascension Testing
- 7 - Full Power

8/6/84  
8/27/84

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Electrical P. 1

COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE		CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE		ALLEGOR-DATE RECEIVED SOURCE DOCUMENT PAGE
			ANON	CONFID			OPEN	COMPLETE	
AQE-1	Instructed not to write NCR Control Room of Unit 1 - electrical cables were being removed w/o proper documentation		X		Category No 5/6 3	1 ART			4-83-013 11/3/83 A-38 A-63 (QC Inspector) P. 8, Par. 1
AQE-2	Cable was being removed w/o documentation from the Safeguards Building. Was not sure NCR was placed in the system		X		5/6	1 TRT			4-83-013 11/3/83 A-38 A-63 (QC Insp.) P. 8, Par. 2
AQE-3	Asked to disposition an NCR where flex conduit in the Fuel Building was replaced but not repaired as described by an NCR	Has not complied as of date of Report.	X		5/6 6	1 TRT			4-83-013 11/3/83 A-38 A-63 (QC Insp.) P. 8, Par. 3
AQE-4	Forced to close out NCR not qualified to close out	later "kicked back" and corrected			5/6 6 10, 11	1 TRT			4-83-013; 11/3/83 A-38 A-63 (QC Insp.) P. 8, Par. 4
AQE-5	Unit 1 Craft needed an NCR closed to proceed w/pulling cable. Problems with the cable tray had not been corrected. (Trash in cable tray; cuts in part of the cable, cable was interwoven). Supervisor got another inspector to close out.	NCR Identification #'s were never obtained P. 9 U-2 at 15 re-futed statements.			5/6 7 13	1 TRT			4-83-013; 11/3/83 A-38 A-63 (QC Insp.) P. 8-9, Par. 5



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Electrical P. 2

COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

ASK Q.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE		CATEGORY NO BN/DATE	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE		ALLEGOR-DATE RECEIVED SOURCE DOCUMENT PAGE
			ANON	CONFID				OPEN	COMPLETE	
QE-6	Electrical inspectors directed not to follow procedures	Initial disposition IR 81-04			2 3 9/16/84	ASLB Pre-filed testimony (Taylor)	1 TRT			Unknown 3/82 Testimony, dtd 5/24/82, P. 80 A.51, IR 81-04
QE-7	Electrical inspectors had not performed required inspections	Initial disposition IR 81-04			3 9/16/84		1 TRT			IR 81-04
QE-8	Electrical inspectors not qualified	Initial disposition IR 81-04			6-10		1 TRT			IR 81-04
QE-9	Electrical drawings utilized for inspections were incomplete	Initial disposition IR 81-04 (Review transferred to QA/QC Group)			N A		1 TRT			IR 81-04 TRANSFERRED TO QA/QC
QE-10	Lack of Training for electrical personnel	IR 50-445/83-52 X			2	RIV-83-A-0066	1 TRT			Q4-83-021 8/29/83 A-39, P.1; Statement, P. 2, Q4-83-023 9/20/83 A-40, P. 1
QE-11	Electrical QC management were sympathetic to production on management	Initial disposition IR 81-04			3		1 TRT			Unknown 1/23/81 IR 81-04 5/5/81 P.3, #4
QE-12	Electrical terminations were being made and "bought off" by some electrical QC personnel, in nonconformance with drawings.	Initial disposition IR 81-04			1 5/6/84		1 TRT			Unknown 1/23/81 IR 81-04 P. 3, #6

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8/10/84  
8/27/84

Electrical P. 3

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COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE ANON CONFID	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7	SCHEDULE OPEN COMPLETE	ALLEGED-DATE RECEIVED SOURCE DOCUMENT PAGE
AE-13	Improperly Installed Electrical Components 82-29 & 50-446/82-15	Initial dis-position IR 82-29 Report of AE-51	ANON CONFID	IR 82-29 4-82-012	2 TRT	OPEN COMPLETE	CASE letter to RIV 8/4/82 IR 82-29; ASLB hearing limited appearance of 9/15/82 by Chandler at P. 4871
AE-14	Safeguards building cable tray hangers (elev. 810) not constructed properly	IR 83-52			1 TRT		Q4-83-023 9/20/83 A-40, P. 1 Electrician
AE-15	Separation criteria violated				1 TRT		84-006 3/7/84 A-7 Testimony, P. 57
AE-16	Safeguards I panel on the 730's level has loose bus bars and ground wire connections	Initial dis-position IR 80-16			1 TRT		IR 80-16 P. 3, 5. 64
AE-17	Control room area deficiencies (field run conduit, drywall, and lights)	Initial dis-position IE 83-24			1 TRT		CASE ltr of 3/11/83 to IE and OELD
AE-18	Cables are being "butt-spliced" in violation of procedures	Open	X	1 15-8	1 TRT		
AE-19	Overloaded cable trays	Open	X	13-7	1 TRT		

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Supporting  
JNPP  
AVAILABLE

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8/27/84

Electrical P. 4

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COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE		CATEGORY NO. BN/DATE	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE		ALLEGOR-DATE RECEIVED SOURCE DOCUMENT PAGE	
			ANON	CONFID				OPEN	COMPLETE		
AE-20	Violation of cable tray separation requirements (Inconsistent procedures regarding cable tray separation)	Open		X	1 5 3 18 8		1 TRT			██████████ #7 A-47 Affidavit P. 10-11 7/16/84	SUPPORTING INFO AVAILABLE
AQE-21	Dual numerical designation system in electrical/mechanical area has resulted in massive confusion regarding as-built. (System numbers assigned for both components and not accurately reflected in each systems package)	Open		X	4 NA		1 TRT			██████████ #13	TRANSFERRED TO TEST PROGRAM GROUP
AE-22	Unauthorized "cable pulling" to substitute cable that came up short (control room).	Open		X	CABLE BUTT SPICES MUST IN PAINTS WITHOUT AUTOMATICATION OR BEING DOCUMENTED ON DRAWINGS	1 6 5	1 TRT			██████████ #16 CLARIFIED BY H HIC ON 7/31/84	
AQE-23	Extensive revisions in the electrical post-construction verification inspections			X	8 8 8		1 TRT			██████████ #25	SUPPORTING INFO AVAILABLE
AE-24	A cable tray held by a temporary hanger fell several levels and ripped out instrumentation wires going to the control room			X	5 4 A		1 TRT				GAP witness anonymous #33

Document Name:  
CP ALLEGATIONS CHART 3

Requestor's ID:  
KATHY

Author's Name:  
A. Vietti/kb

Document Comments:  
CP ALLEGATIONS CHART 3 - ADDENDUM 2

8/6/88



July 27, 1984

8/6/84

CP TECHNICAL ISSUES

FROM SPECIAL REVIEW TEAM REPORT OF JULY 13, 1984

ISSUES

NUMBERS SRT 1 - 10

Key to Completion Category:

- 1 - Prior to OL
- 2 - Fuel Loading
- 3 - Initial Criticality
- 4 - Zero Power Testing
- 5 - Low Power Testing
- 6 - Power Ascension Testing
- 7 - Full Power

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July 27, 1984

COMANCHE PEAK NUCLEAR POWER PLANT  
TECHNICAL ISSUES SUMMARY FROM SRT REPORT OF 7/13/84

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8/27/84

TASK NO.	CONCERN	ACTION/STATUS	SOURCE		RESP. GROUP	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE		SOURCE DOCUMENT PAGE
			ANON	CONFID				OPEN	COMPLETE	
SRT-8	Discrepancies in installation and documentation concerning RIIR Heat Exchangers	Open			Mech/Piping		1 TRT			SRT Report P. 45
SRT-9	Potential discrepancy concerning use of jam nuts on certain anchor bolts for Whip Restraints	Open			Mech/Piping		1 TRT			SRT Report P. 48-49
SRT-10	Evaluate effect of weight of thermolog on cable trays	Open			Elect		1 TRT			SRT Report P. 56

CATEGORY  
NO.  
P 2  
137

CP ALLEGATIONS CHART, ADDENDUM 2

July 27, 1984

~~8/6/88~~  
8/10/88

		No. of Line Items Original	No. of Line Items Addendum 1	No. of Line Items Addendum 2	No. of Line Items Total
AQ	QA/QC (GENERAL)	84	25	16	125
AQW	Welding				
AW	QA/QC	31	1	3	35
	Construction	35	1	1	37
	Concrete/Rebar				
AQC	QA/QC	15	0	1	16
AC	Construction	28	1	0	29
	Coatings				
AQO	QA/QC	31	1	0	32
AO	Construction	11	0	0	11
	Electrical				
AQE	QA/QC	<del>12</del> 10	2	<del>19</del> 20	<del>31</del> 22
AE	Construction	5	5	<del>8</del> 8/9	<del>18</del> 17 <u>18</u> 19 <u>18</u> 19 <u>18</u> 19
	Pipe & Pipe Supports (Non W/D)				
AQP	QA/QC	3	1	0	4
AP	Construction	14	5	5	24
	Hangers				
AQH	QA/QC	2	2	2	6
AH	Construction	11	1	3	15
	Bolts				
AQB	QA/QC	3	0	0	3
AB	Construction	8	1	1	10

~~July 27, 1984~~

July 27, 1984

48/9/8

AI	Intimidation	30	1	31
AH	Miscellaneous	23	6	29
AD	Design of Pipe/Pipe Supports	19	0	19
AV	Vendor/Generic	18	0	18
AT	Test Program	13	4	17
AA	Independent Assessment Program	7	0	7
	Total	403	57	520



July 27, 1984

8/6/84

ELECTRICAL

AGE - 19  
AE - 8  
27

Key to Completion Category:

- 1 - Prior to OL
- 2 - Fuel Loading
- 3 - Initial Criticality
- 4 - Zero Power Testing
- 5 - Low Power Testing
- 6 - Power Ascension Testing
- 7 - Full Power

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Electrical, P. 1 8/27/84

COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE		CATEGORY NO. DATE	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE		ALLEGED-DATE RECEIVED SOURCE DOCUMENT PAGE
			ANON	CONFID				OPEN	COMPLETE	
AQE-25	Electrical QA Supervisors only authorized to obtain NCR member for draft. Also, this policy contradicted TUGCO (CPSES) site procedure.	Initial disposition IR 81-04			2 8/5		1 TRT			IR 81-04 P. 16-18
AE-26	Wires of two different gages were terminated at some lugs and many terminations are loose.				2 8/5		1 TRT			Comanche Peak Review (CPR) of installation report during 4/3-13/84 Appendix A Inspector A-3
AE-27	Loose LB fittings at east and south ends of unit diesel generators. Note two NCRs. It was accepted as is.				2 8/5		1 TRT			CPR of installation report during 4/3-13/84 Appendix A Inspector A-3
AE-28	Cables not terminated in workmanlike manner in Unit 1 cable spread room and junction boxes 1058 and 1059. NRC said OK because cable radius was OK but it did not admit workmanship problem.				12/7		1 TRT			CPR of installation report during 4/3-13/84 Appendix A Inspector A-3
AE-29	Added higher sides to some cable trays to keep cables in trays (Note for TRT: Consider the cable tray fill aspects of this allegation. Address this under electrical Category 13.)				2 12/7		1 TRT			CPR of installation report during 4/3-13/84 Appendix A Inspector A-6

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COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE		CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE		ALLEGOR-DATE RECEIVED SOURCE DOCUMENT PAGE
			ANON	CONFID			OPEN	COMPLETE	
AE-30	Density/Compaction Problems					1 TRT			CPR of Installation report during 4/3-13/84 Appendix A, Inspector A-6
AE-31	Problems with clearance of pipe and cables. Have to notch insulation, place metal between insulation and trays.					1 TRT			CPR of Installation report during 4/3-13/84 Appendix A, Inspector A-6
AQE-32	QI-QP (Quality Instructions - Quality Procedure) 1114-12, electrical mounting backfit. Craft complained so procedure was revised to reduce number of inspections, 4 revisions made to delete requirements.					1 TRT			CPR of Installation report during 4/3-13/84 Appendix A, Inspector A-1
AQE-33	Concern with use-as-is NCR situations, particularly when using ES-100.					1 TRT			CPR of Installation report during 4/3-13/84, Appendix A, Inspector A-2

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8/27/84

Electrical, P. 3

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COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE		CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE		ALLEGOR-DATE RECEIVED SOURCE DOCUMENT PAGE
			ANON	CONFID			OPEN	COMPLETE	
AQE-34	NRC addressing cable damage during Biso Seal removal using a threaded rod. Occurred in Aux. Bldg. elev. 832'. Insulation was scraped off by rod. Further evaluation may be in order for these cables. Similar problems may be elsewhere.				Category B10 P S 65	1 TRT			CPR of installation report during 4/3-13/84 Appendix A, Inspector A-2
AQE-35	Two NRCs regarding traceability of fuse blocks. Blocks were not marked "Q". NCR said OK as-is because no non-Q blocks were purchased via order MS-605. Other non-Q block may have been purchased via different purchase others and have been installed as Q. Possible paper work problem.				65	1 TRT			CPR of installation report during 4/3-13/84 Appendix A, Inspector A-2
AQE-36	Wrote recent NCR on GE motor control centers. Compression lugs have bends as much as 180 degrees in violation of procedures. Broken wire strands are being fixed as they are found.				1 65	1 TRT			CPR of installation Report during 4/3-13/84 Appendix A, Inspector Name A-2



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8/27/88  
Electrical, P. 4

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COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE		CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-3 LEAD	SCHEDULE		ALLEGED-DATE RECEIVED SOURCE DOCUMENT PAGE
			ANON	CONFID			OPEN	COMPLETE	
AQE-37	Paperwork conflict regarding rework of terminate blocks. Six page RFIC and procedure SAP-6 involved. Wrote two NCRs. <del>NAG inspection</del> <del>Creek and Johnson were aware.</del> <del>Never received feedback.</del>				<u>Category 1-3</u> BN/DATE P 5 65 4/5 11	1 TRT			CPR of Installation report during 4/3-13/84 Appendix A, Inspector A-2
AQE-38	Repaired solenoid without paperwork. No information regarding safety classification of solenoid. Good job was done in repairing solenoid.				65	1 TRT			CPR of Installation report during 4/3-13/84 Appendix A, Inspector A-2
AQE-39	Procedures were changed to match inspection (e.g., loose terminations found in lighting).				8 15 1	1 TRT			CPR of Installation report during 4/3-13/84 Appendix A, Inspector A-3
AQE-40	NCRs are answered simply that the problem is not addressed in ES-100.				65	1 TRT			CPR of Installation report during 4/3-13/84 Appendix A, Inspector A-3
AQE-41	NCR written because restraint cable (lighting) crimp gages were worn and thus inspection was inadequate. Still being evaluated.				65 (ALSO CAT. 6) (AN/AC 16)	1 TRT			CPR of Installation report during 4/3-13/84 Appendix A, Inspector A-3

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8/27/84

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COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE ANON CONFID	CATEGORY	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE OPEN COMPLETE	ALLEGOR-DATE RECEIVED SOURCE DOCUMENT PAGE
				BN/DATE				
AQE-42	Have more pressure during turnover not to write NCR.			1/5 6/5		1 TRT		CPR of installation report during 4/3-13/84 Appendix A, Inspector A-3
AQE-43	IRs were written falsely (without reinspection) to clear FIRNs on cable trays. Information originated from individuals in PGC and document vault. (PGC = PAPER Flow Group)			1/9 8 1/8 3		1 TRT		CPR of installation report during 4/3-13/84 Appendix A, Inspector A-3
AQE-44	Uncomfortable with some use-as-is situations, e.g., cable separation problem found in fuel building during walkdown. It did not meet procedure but was evaluated as use-as-is.			6/5		1 TRT		CPR of installation report during 4/3-13/84 Appendix A, Inspector A-4
AQE-45	NCR on 5 thread engagement and other NCR on the same area for cable damage. It seemed to be looking for a way to buy this area off. NCRs were poorly handled.					1 TRT		CPR of installation report during 4/3-13/84 Appendix A, Inspector A-4

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TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE ANON CONFID	CATEGORY 1-7	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE OPEN COMPLETE	ALLEGED-DATE RECEIVED SOURCE DOCUMENT PAGE
AQE-46	Problems with post check, e.g., loose lighting terminations and junction boxes. Took lighting out of procedure and made it more difficult to look at junction boxes. Management was made aware of these concerns.			1		1 TRT		CPR of Installation report during 4/3-13/84 Appendix A, Inspector A-5
AQE-47	Use-as-is when pressure is on (safety requirements as being met)			1		1 TRT		CPR of Installation report during 4/3-13/84 Appendix A, Inspector A-5
AQE-48	NCR evaluations are inaccurate or unclear, e.g., statement that workmanship was not compromised when in fact workmanship was poor but the item was technically acceptable.			1		1 TRT		CPR of Installation report during 4/3-13/84 Appendix A, Inspector A-5
AQE-49	Lot of rework to get separation			1		1 TRT		CPR of Installation report during 4/3-13/84 Appendix A, Inspector A-5
AE-50	Alleged slicing of safety-related or "Q" electrical cables.	Initial disposition IR 83-03		1	Not on ATS RIV-82-A-56	1 TRT		9/16/82 limited public appearance before [redacted] IR 83-03 11/8/82 [redacted] Interview. Comments of [redacted] on interview.
AE-51	CONDUIT C22606343 IS ABOUT 3' BELOW CABLE TRAY T130CC P38 IN THE CONTROL BUILDING AT 854' ELEVATION. BELIEVES THIS IS A SEPARATION VIOLATION.	INITIAL DISPOSITION TELEPHONE CONVERSATION WITH GAF. WITNESS H ON 7/31/84		3				
AQE-52	6.9KV MOTORS ARE NOT BEING INSPECTED BY PROCEDURE QIGP11.3-90. REV 15 (2/13/84)			1				
AE-53	RESB1-41 CONDUIT AND			3				

CP ALLEGATIONS CHART, ADDENDUM 3

August 20, 1984

8/27/84

		No. of Line Items Original	No. of Line Items Addendum 1	No. of Line Items Addendum 2	No. of Line Items Addendum 3	No. of Line Items Total
AQ	QA/QC (GENERAL)	84	25	16	7	132
AQW	Welding					
AW	QA/QC	31	1	3	3	38
	Construction	35	1	1	0	37
	Concrete/Rebar					
AQC	QA/QC	15	0	1	0	16
AC	Construction	28	1	0	0	29
	Coatings					
AQO	QA/QC	62	0	0	0	62
	Electrical					
AQE	QA/QC	12	2	10	1	25
AE	Construction	5	5	7	2	19
	Pipe & Pipe Supports (Non W/D)					
AQP	QA/QC	3	1	0	0	4
AP	Construction	14	5	5	0	24
	Hangers					
AQH	QA/QC	2	2	2	0	6
AH	Construction	11	1	3	0	15
	Bolts					
AQB	QA/QC	3	0	0	0	3
AB	Construction	0	1	1	0	10



August 20, 1984

AI	Intimidation	33	0	0	0	33
AM	Miscellaneous	23	6	0	0	29
AD	Design of Pipe/Pipe Supports	19	0	0	0	19
AV	Vendor/Generic	18	0	0	0	18
AT	Test Program	13	5		0	18
AA	Independent Assessment Program	7	0	0	0	7
		<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	Total	426	56	59	12	553

August 20, 1984

ELECTRICAL

AQE - 1  
AE -  $\frac{1}{2}$

Key to Completion Category:

- 1 - Prior to OL
- 2 - Fuel Loading
- 3 - Initial Criticality
- 4 - Zero Power Testing
- 5 - Low Power Testing
- 6 - Power Ascension Testing
- 7 - Full Power

Aug 20, 1984  
8/27/84

Electrical, P. 1

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COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE ANON CONFID	CATEGORY No. BN/DATE	CROSS REF./OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE OPEN COMPLETE	ALLEGOR-DATE RECEIVED SOURCE DOCUMENT PAGE
AQE-52	6.9 KV motors are not being inspected by procedure QIQP11.3-40, Rev. 15 (02/13/84)	Elec. Cat. 15		P 2 88		1 TRT		Disposition of 07/17/84 P. 55,012;55,016
AE-53	Conduits ESB 1-41 and C14K30975 were separated by prying ESB 1-41 with piece of scrap conduit NCR E84-007095 written	Elec. Cat. 3		3		1 TRT		Disposition of 07/17/84 P. 55,032-55,033 Exhibit 431
	NCR E84-007095 written							

AE-51 Conduit C22 G06343  
IS ABOUT 3' BELOW  
CABLE TRAY T130CC P38  
IN THE CONTROL BUILDING  
AT 854' ELEVATION.  
BELIEVES THIS IS A SEPARATION  
VIOLATION

INITIAL DISPOSITION  
TELEPHONE CONVERSATION  
WITH GAP  
WITNESS H  
ON 7/31/84

CATEGORY No.  
P  
3

AH-14 CABLE TRAYS HANGERS HAVE  
NOT BEEN INSTALLED WHERE  
DESIGNED TO BE, THEREFORE  
STRESS ANALYSIS IS INACCURATE  
AND DO NOT HAVE PROPER  
MATERIAL TRACEABILITY.  
SET E1-7135 DRAWING (ALL SUPPORTING  
DOCUMENTATION). ALSO HAVE TO PULL  
THE FSE-159 DRAWINGS REFERENCED  
ON E1-7135. (FSE-159 IS THE ORIGINAL  
LOCATION DRAWING AND RUNS IN  
NUMERICAL ORDER FROM 001-13,000,  
GET ALL MATERIALS FOR DRAWINGS  
REVIEWED.

2

8/27/84

CONTROLLED COPY

COMANCHE PEAK NUCLEAR POWER PLANT  
ALLEGATIONS AND/OR INVESTIGATIONS SUMMARY

TASK NO.	ALLEGATION OR CONCERN	ACTION/STATUS	SOURCE ANON CONFID	CATEGORY, AZ, BY/DATE	CROSS REF, OR TRACKING SYSTEM NO.	COMPLETION CATEGORY 1-7 LEAD	SCHEDULE OPEN COMPLETE	ALLEGOR-DATE RECEIVED SOURCE DOCUMENT PAGE
AE-54	two LADDER CABLE TRAYS DO NOT QUALIFY AS ACCEPTABLE BARRIERS AND THEREBY THE MINIMUM SEPARATION OF 1 INCH BETWEEN SEPARATE TRAYS AND RUNWAYS LOCATED WITHIN THE TRAYS IS NOT APPLICABLE. SEE ALSO SECTION 9.11.3.2 (2) OF GPH SPECS 7323-ES-100			P 5 3				DISPOSITION OF 7/20/84 P 919 P10 OF AFFIDAVIT

7c

AE-55

NCR E-81-00088 REPORTS THAT THE QUALITY STATUS OF RUNNER CLASS 1E METERS (ASSOCIATED WITH DIESEL GENERATOR POWER MONITORING) LOCATED IN THE MAIN CONTROL BOARD OF UNIT 1 IS INDICATED. THE METERS WERE REMOVED AND REINSTALLED WITHOUT PROPER SURVEY AND MODIFIED IN AN UNAPPROVED FACILITY.

TNR

DISPOSITION OF 11/7/84



8/8/84

## CONTACTS LIST

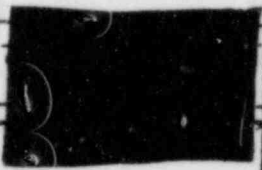


Group: ELECTRICAL

Alleger No.	Alleger Name	Reference Document (OI Rept/Insp Rept)	Allegation Number	Remarks
63 A-38	[REDACTED]	4-83-013(11/3/83)	AQE-1 AQE-2 AQE-3 AQE-4 AQE-5	UNABLE TO CONTACT 1/29/85
A-51	[REDACTED]	• ASLB PRG-FILED TESTIMONY (5/24/82) • IR 81-04	AQE-6	INFO GIVEN ON 1/19/85 (NOT HIS ITEM WAS COMEBACK FROM ALLEGOR)
A-39	[REDACTED]	• RIV-83-A-0066 • Q4-83-021(8/29/83)	AQE-10	LETTER 8/30/84 SENT TO ALLEGOR NO CONTACT AS OF 1/29/85
A-40	[REDACTED]	• Q4-83-023 (9/20/83)	AQE-10 AE-14	UNABLE TO CONTACT 1/29/85
A-44 (CASE)	[REDACTED]	• RIV-82-A-55 • 4-82-012 • ASLB LIMITED APPEARANCE BY [REDACTED] 9/15/82	AE-13	SSEBS DISCUSSED
A-7	[REDACTED]	• 84-006(3/7/84)	AE-15	SENT LETTER 1/29/85 DECLINED FURTHER CONTACT
A-44 (CASE)		CASE LTR TO IE AND OELD 2/11/83	AE-17	SSEBS DISCUSSED
GAP #6			AE-18	UNABLE TO CONTACT 1/29/85
[REDACTED]			AE-19	WILL SENT INFO CONCERNING RESOLUTION

7c

8/8/87

CONTACTS LISTGroup: ELECTRICAL

<u>Alleger No.</u>	<u>Alleger Name</u>	<u>Reference Document (OI Rept/Insp Rept)</u>	<u>Allegation Number</u>	<u>Remarks</u>
GAP WITNESS H #5			AE-19	WILL SEND INFO CONCERNING REFORMATION TO GAP
#7		AFKIDAVIT P. 10-11	AE-20	
#13		7/16/84 (A-47)	AGE-21	TALKED VIA PHONE
F16			AE-22	TALKED VIA PHONE
			AE-51	
		DEPOSITION ON 7/20/84	AGE-54	
GAP WITNESS I #25				AGE-23 UNABLE TO CONTACT 1/29/85
GAP WITNESS ANONYMOUS #33				AE-24 UNABLE TO CONTACT 1/29/85
				AE-50 UNABLE TO CONTACT 1/29/85

$\tau_c, \tau_d$

Group: ELECTRICAL

Allegation No.	Allegor Name	Reference Document (OI Rept/Insp Rept)	Allegation Number	Remarks
SRT A-1	[REDACTED]	SRT REPORT 4/3-13/84	AQE-32	<del>unsubstantiated</del> 4/3/84 INTELLIGENCE OVER PIVOTED ON
SRT A-2	[REDACTED]	SRT REPORT 4/3-13/84	AQE-33 AQE-34 AQE-35 AQE-36 AQE-37 AQE-38	SSER'S REPORTS DISCUSSED
SRT A-3	[REDACTED]	SRT REPORT 4/3-13/84	AQE-39 AQE-40 AQE-41 AQE-42 AQE-43 AE-26 AE-27 AE-28	SRT ( <del>unsubstantiated</del> ) INTERVIEWED ON SSER'S REPORT DISCUSSED
SRT A-4	[REDACTED]	SRT REPORT 4/3-13/84	AQE-44 AQE-45	( <del>unsubstantiated</del> ) 10/29/84 PHONE CONVERSATION - DISCLAIM KNOW- LEDGE OF ALLEGATION.
SRT A-5	[REDACTED]	SRT REPORT 4/3-13/84 DEPOSITION OF 7/17/84	AQE-46 AQE-47 AQE-48 AQE-52 AE-53	TALKED TO AN SIT 7/17/84 SSER'S DISCUSSED
SRT A-6	[REDACTED]	SRT REPORT 4/3-13/84	AE-29 AE-30 AE-31 AQE-49	DECLINED ANY FURTHER CONTACT - 11/6/84