

April 16, 1979

0900

Memorandum For: W.C. Seidle

Thru: W.A. Crossman

From: R.G. Taylor

Subject: Interview With [REDACTED]

Background information:

1. The interview took place at approximately 3:10 PM and lasted until approximately 5:00 PM on April 13, 1979. The interview was held at Mama's Pizza House in Cleburne, Texas.
2. The interview was attended by the writer, Mr. Tomlinson of our office, [REDACTED] and another party who accompanied [REDACTED]. I had to promise the party who accompanied [REDACTED] that his identity would not leave the place of interview. I felt that the promise was justified on the basis that he appeared to have information which corroborates [REDACTED] allegations. The party remains in the employ of A.A.B.

Results of Interview:

1. Summary of Allegation:

[REDACTED] made the allegation to Mr. Hubacek that during a concrete pour in January 1979 on the Unit 1 dome that concrete was washed away and was replaced by a grout. [REDACTED] reiterated in the interview that the event did occur which was verified by the unidentified party. The unidentified party however stated that gravel was in the concrete so that ^{it} was not grout. Both parties stated that at about 10:00 to 10:30 PM on the night of the pour [REDACTED] to the concrete batch plant to pick up some concrete and take it to the unit 1 area where it was subsequently hoisted to the dome by a vertical crane. The concrete had been prepared by the laborers rather than by the batch plant since the plant was shut down. [REDACTED] stated that the allegation could be further substantiated by interviewing the labor crew working for a Building Department foreman assigned to [REDACTED] that night.

Inspector's Comment:

Upon hearing of the allegation on April 2 the writer initiated a preliminary investigation of this matter. The QC records reflect that during ~~the~~ and

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on into the evening of January 18, the final concrete placement took place. The records indicate that the placement was stopped at approximately 8:00 PM without being completed due to inclement weather. I interviewed the B & R QC Inspector of record, one Ray Brown, who described the situation. He indicated that the pour had gone throughout the day at a planned very slow rate using buckets. As the day developed the weather turned misty with occasional light rain. During the evening the weather worsened and finally became a fullfledged rain storm with thunder and lightening. Due to exposure of personnel to the hazards of lightening, the pour was stopped at eight, the pour area ^{was} covered up to prevent the ingress of rain and the crews sent home, which included the B & R inspector. It now appears that some work went on up on the dome well after 8:00 Pm and that some concrete was delivered to the dome after the batch plant was closed to repair a washout.

Proposed Course of Action:

This allegation is of a type that cannot be verified or refuted by any type of records review. QC had already gone home and the batch plant appears to have been closed. I believe that we should follow [redacted] recommendation which was to obtain the labor foreman time sheets for the night in question and interview the people listed. I would think that the way to do this is to obtain all of the time sheets for the 18-19 January period and sort them out and identify that crew plus several others as a camouflage and interview each man culminating with the foreman who is least likely to admit anything. We may have to come on very strong to get the individual men to admit anything. We need some advice on ^{how} hard we can push or get some very experienced investigators in on this one.

2. Summary of Allegation:

In his original allegation to Mr. Hubacek, [redacted] said that the identity of a lot of Q and non-Q piping six inch or less was being lost in sand blasting prior to painting. [redacted] stated during the interview that piping referred to was not fabricated spool pieces but was bulk pipe sections usually known as joints. He stated that on a number of occasions he had been dispatched [redacted] to take bulk pipe to the paint shop and or to pick it up from the shop and deliver it elsewhere. He had picked up the identification problem during conversations with the paint shop people. The problem according to [redacted] and the other party extends to any material routinely blasted and painted. This would then include hanger and embed materials.

Inspector's Comment

It seems to me that we ^{have} may approach this one thru the labor interview route also. [REDACTED] was of the opinion that it rarely occurred when QC was around and that certainly would also apply to us with our visibility.

3. Summary of Allegation:

In his original allegation, [REDACTED] stated that a steam pipe intended for the unit one turbine fell off a truck and struck a railroad track. It was taken back to the storage area and hidden. [REDACTED] stated in the interview that the pipe was originally stored at so-called Dood'd spur which is the non-Q storage area for the turbine equipment. He indicated the pipe was originally loaded on a truck and fell off. [REDACTED] were dispatched to the area where they reloaded it on the truck and it was taken back into the storage yard. It was intended that the second shift people would appear to have done no work on the spool so that the blame for the incident would fall on other; if any actual damage had been done. [REDACTED] stated that he was not aware of whether the spool had been damaged or not. He stated that he was aware that the spool was non-Q but thought we should know about it since it was typical of the way Q and non-Q material was being handled when no one was around.

Inspector's Comment:

[REDACTED] explained to [REDACTED] that since the pipe spool in question was non-Q, we had little legal right to be concerned. As for his general concern, I don't have a suggestion on how to even approach the issue. As a general observation I have never personally seen poor handling but I have to suppose that such occurrence do happen. I would question however the real import of the problem since any substantive damage would usually be obvious.

4. Summary of Allegation:

[REDACTED] alleged that third class helpers were being qualified in less than three months and were being used for safety related welding. I explained to [REDACTED] that welders are test and qualified in accordance with an ASME code. Their classification in the B & R employee system was for pay purposes had nothing to do with whether a welder was qualified or not. He indicated he was generally concerned about weld quality and that third class status indicated a serious lack of experience.

Inspector's Comment:

The allegor is not knowledgeable of welding in general but his concern may be essentially well founded as evidenced by our previously expressed concerns. The welder's experience is certainly a factor although very difficult for us to get our teeth into.

Additional Background on the Allegor:

[REDACTED] over
disgust with how the department was being supervised and managed [REDACTED]
[REDACTED] and the
remaining foreman now supervised about 45 people thru a girl who worked
as an equipment dispatcher. The remaining foreman he considered to be
incompetent.


[REDACTED] ^{not} was aware that he could be maintained in anonymous status as far as
the site was concerned since he had made the same allegations to top B & R
management prior to and after quitting. He wishes to remain anonymous
in the public record. The other party as previously stated wishes to remain
completely anonymous since he is afraid of being discharged if revealed.

Please provide direction on future course of action ASAP. If we are to proceed
with getting the time sheets, we should do so immediately. I have no way of knowing
how long they are retained but many other site records have a ninety day throw-out
cycle and ninety days are almost here. [REDACTED] first allegation may have real
merit and could lead all the way up to the night shift ass't project manager for
B & R and even into the licensee since they also provide night shift coverage.
I don't think that a line labor foreman or even general foreman would take it on them-
selves to do what the allegor says was done without at least the consent of his
superintendent and probably of the night shift manager.

sum of status of allegor
interviews
DCP9 - 11/30/84

Summary of the Status of Allegor Interviews
in the Civil/Structural Area

The following is a list of allegors in the Civil/Structural area and the status of the closure interview with each.

<u>Allegor</u>	<u>Status</u>
	Individual declined opportunity for closure interview. Allegation will be closed by a letter to file stating such.
	Individual cannot be located. Allegations will be closed by a letter to file stating such.
	Will require second interview to resolve issues brought up in first interview.
	Interview complete. Allegations closed. Individual agrees with TRT findings.
	R. Wessman attempting to contact individual and arrange an interview.
	Individual cannot be located. Allegations will be closed by a letter to file stating such.
	Allegations will be closed by sending the individual a letter and a summary of disposition informing him of the TRT's findings.
	Will require a second interview (December 1984) to resolve issues brought up in first interview.
	Individual cannot be located. Allegation will be closed by a letter to file stating such.
	R. Wessman attempting to contact individual and arrange an interview.
	R. Wessman attempting to contact individual and arrange an interview.

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Interview complete. Allegation closed.
Individual agrees with TRT findings.

R. Wessman attempting to contact
individual and arrange an interview.

R. Wessman attempting to contact
individual and arrange an interview.

R. Wessman attempting to contact
individual and arrange an interview.

R. Wessman attempting to contact
individual and arrange an interview.

T. Langowski

7C.7D

PAGE 1 OF 2

CONTACTS LIST

Group: CIVIL/STRUCTURAL

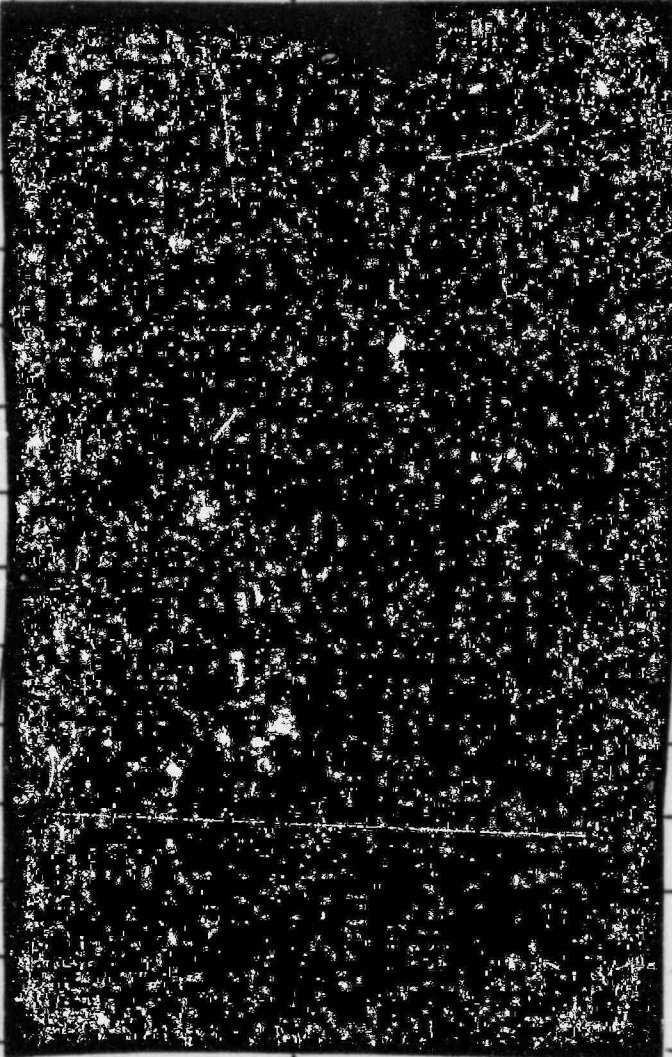
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PRIMARY Alleger No.	PRIMARY Alleger Name	Reference Document (OI Rept/Insp Rept)	Allegation Number	Remarks
A-4			AC-16	CAT. #1
UNKNOWN			AC-19; AC-20 AC-21; AC-27	CAT. #1
UNKNOWN			AC-22; AC-23	CAT. #2
UNKNOWN			AC-24	CAT. #3
UNKNOWN			AC-35	CAT. #3
A-4			AC-25	CAT. #4
* A-24			AC-28	CAT. #4
UNKNOWN			AC-32; AC-33	CAT. #4
"A"			AC-34	CAT. #4
UNKNOWN			AC-26	CAT. #5
A-19			AC-31	CAT. #5
UNKNOWN			AC-36	CAT. #5
UNKNOWN			AQC-4; AQC-5 AQC-6; AQC-8	CAT. #10
* A-24			AQC-11	CAT. #10
* A-24			AC-30	CAT. #6 ✓
A-4			AC-37 AQC-12	CAT. #6 ✓
UNKNOWN			AC-38 AC-39	CAT. #6 ✓
"A"			AQC-10	CAT. #7
UNKNOWN			AQC-1	CAT. #8 ✓

* REQUEST OI TO SUPPLY PROTECTION FOR NRC "TRT" WHEN INTERVIEWING ALLEGER DUE TO PREVIOUS DANGEROUS ENCOUNTER WITH ALLEGER.

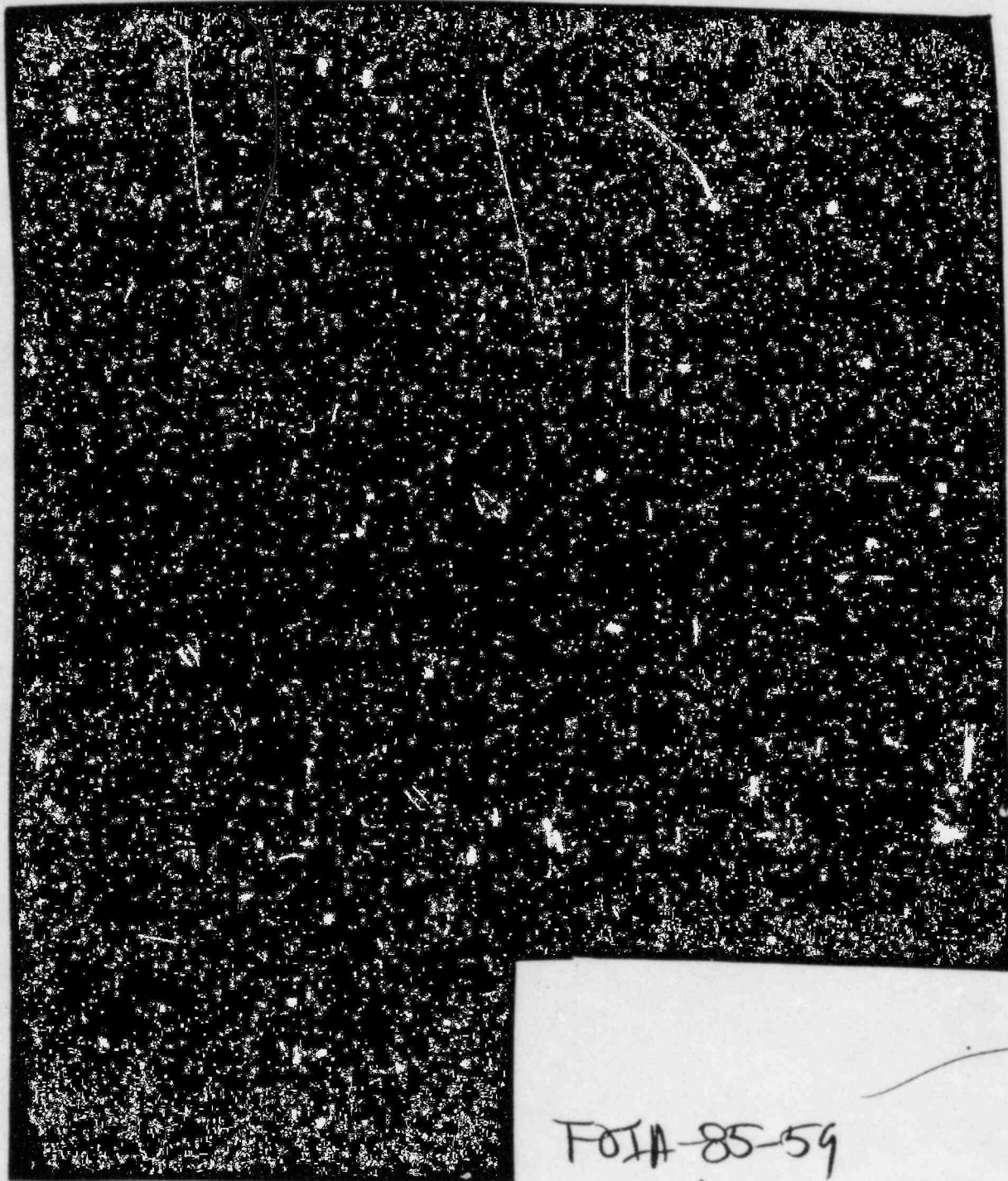
CONTACTS LIST

Group: CIVIL / STRUCTURAL

<u>PRIMARY Alleger No.</u>	<u>PRIMARY Alleger Name</u>	<u>Reference Document (OI Rept/Insp Rept)</u>	<u>Allegation Number</u>	<u>Remarks</u>
"A"			AQC-2	CAT. #8 ✓
"A"			AQC-3 AQC-7	CAT. #8 ✓
"C"			AQC-9	CAT. #9 ✓
UNKNOWN			AC-41	CAT. #11
* A-24			AC-29	CAT. #12
UNKNOWN			AC-44	CAT. #13
UNKNOWN			AE-17	CAT. #14
A-19			AC-40 AQC-13 AQC-14	CAT. #15
UNKNOWN			AQC-15	CAT. #15
A-7			AQ-64	CAT. #16
A-4			AQC-45	CAT. #17
			AQC-51	cat. #8
			AC-49	cat. #6

DCP7

list of alleged

LIST OF COMANCHE PEAK ALLEGERS IN THE CIVIL/MECHANICAL AREAFOIA-85-59
C/251

LIST OF COMANCHE PEAK ALLEGERS IN THE CIVIL/MECHANICAL AREA



Attachment 2

ALLEGER CATEGORY
NUMBERALLEGATION
NUMBER

REVIEWER

SUBJECT

34

AP-24, AP-25

R. Masterson

Computer program verification for base plates

35

AP-26 through AP-28

R. Masterson

Computer program verification for piping

16

AH-8

R. Masterson

Intimidation to hanger redesign suggestions

Attachment 2

ALLEGER

21

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
17	AB-5	V. Ferrarini	a) Hilti bolts torqued to values lower than required b) Bolts welded to devices that they are supporting c) Bolts will vibrate loose after 40 years.
27	AQW-18	R. Hubbard	Unqualified weld inspectors
27	AQW-19	R. Hubbard	Unqualified weld inspectors

Attachment 2

ALLEGED 

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
14	AE-17	J. Tapia	Control room ceiling area deficiencies

Attachment 2

ALLEGED ([REDACTED])

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
39	AM-29	W. P. Chen	Simplified analysis method deficient
...			

Attachment 2

ALLEGER

2:

CATEGORY
NUMBER

ALLEGATION
NUMBER

REVIEWER

SUBJECT

3

AC-35

R. Philleo

Concrete was placed during freezing weather.

Attachment 2

ALLEGER

21

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
8	AQC-51	T. J. Langowski	Cadweld tensile tests were reported by an inspector without actually performing the tests.
8	AQC-3	T. J. Langowski	Aggregate tests were falsified (January 1976).
8	AQC-7	T. J. Langowski	Compression strength test results falsified.
2	AQC-50	J. Devers	The "soupy" concrete was placed in the Auxiliary Building in the summer of 1976.

Attachment 2

ALLEGOR

2;

CATEGORY
NUMBER

ALLEGATION
NUMBER

REVIEWER

SUBJECT

17

AB-8

V. Ferrarini

NCR on improper hilti bolt installation.

Attachment 2

ALLEGER ([REDACTED])

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
33	AH-7	R. Masterson	Hanger material control
10	AP-5	W. P. Chen	Repair of gouged pipe
1	AW-35	E. G. Thompson	Welding accomplished without procedure or incorrect procedure
44	AW-53	E. G. Thompson	A pipe hanger was "Rush" welded using weave welding and rod requisitions for another job.
7	AQC-10	J. Tapia	Uncontrolled repair of concrete hole
9	AW-56	E. G. Thompson	Weld rod control
2	AW-54	E. G. Thompson	Adherence to welding procedures


Attachment 2

ALLEGER 

2

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
21	AQH-2	D. Hansen	Instructions given to "buy off" on hanger or supervisor would find someone who would.
7	AW-48	V. Ferrarini	A QC trainee was improperly using liquid penetrant.
17	AB-6	V. Ferrarini	QC inspector improperly instructed to sign off on bolts.
32	AH-4	R. Masterson	Hanger Fabrication deficiencies.
27	AQW-11, AQW-16	R. Hubbard	Unqualified weld inspectors.
4	AW-49	E. G. Thompson	Holes drilled in incorrect locations in base plates, pipe supports, and cable tray supports are "plug welded" in an uncontrolled manner.

Attachment 2

ALLEGED 

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
25	AQW-25	R. Hubbard	FWI documentation on steam generator welds
8	AW-63	C. D. Richards	Reconstruction of a lost weld data card (WDC)
11	AP-9	W. P. Chen	Localized heating of SS pipe
1	AW-34	C. D. Richards	Welding accomplished without procedure or incorrect procedure
10	AP-10	W. P. Chen	Steam pipe damaged and hidden

Attachment 2

ALLEGER

([REDACTED])

21

CATEGORY
NUMBER

ALLEGATION
NUMBER

REVIEWER

SUBJECT

13

AC-44

* R. Philleo

Detrimental cracks exist in the concrete pad
at the bottom of the reactor vessel.

Attachment 2

ALLEGED ([REDACTED])

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
24	AQW-1	R. Hubbard	Miscellaneous welding problems.

Attachment 2

ALLEGER

25

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
1	AC-20	R. Philleo	Rejected concrete was placed in the turbine building.
9	AQC-9	T. J. Langowski	Answers were given to tests prior to March 1977.

Attachment 2

ALLEGED

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
9	AQC-9	T. J. Langowski	Recertifications tests were given "open book" after March 1977.

Attachment 2

ALLEGER 

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
23	AQW-78	R. Hubbard	Oxygen analyzer documentation destroyed
33	AQH-22	Malonson	Pipe support material traceability
45	AQH-77	R. Masterson	Miscellaneous welding deficiencies

Attachment 2

ALLEGOR 

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
2	AQW-28 AQW-30	C. D. Richards	Adherence to welding procedures
20	AQP-2	Malonson	Lost CMC
25	AQW-29	R. Hubbard	Incorrect weld repairs on hangers
13	AP-16	W. P. Chen	Heating of out-of-round pipe
13	AP-15	W. P. Chen	"Buttering" of out-of-round pipe

Attachment 2

ALLEGER

([REDACTED]) / _____

1

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
18	AQB-3	V. Ferrarini	S.G. support anchor bolts were cut because concrete was in hole.
20	AQB-3	Malonson	Heat number removed from bolt.
15	AQC-15	C. Hofmayer	Unauthorized cutting of rebar in Fuel Handling Building.

Attachment 2

ALLEGER

([REDACTED])

1

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
6	AW-66	V. Ferrarini	Welding and chipping were being performed in the same area.

ALLEGER

17

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
15	AQC-1	C. Hofmayer	Loan of rebar drills without proper documentation.
15	AQC-14 AC-40	C. Hofmayer	Unauthorized cutting of rebar in non-specific locations.
5	AC-31	R. Philleo	Hanger inserts were installed at improper angles.
11	AP-13	W. P. Chen	Main steam line forced into position.
32	AH-10, AH-18	R. Masterson	Hanger fabrication deficiencies.
6	AW-45	V. Ferrarini	Welding was performed without inerting.
5	AC-36	R. Philleo	Trash in the bottom of a form was covered with concrete.
5	AC-43	R. Philleo	No new allegation.

Attachment 2

ALLEGER

([REDACTED])

11

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
17	ABQ-1	V. Ferrarini	Q.C. Inspector was told to "buy off" on hilti bolts.

Attachment 2

ALLOGER 

1

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
10	AQC-11	R. Philleo	Concrete cyl. with adequate strength were used to represent other placements
6	AC-30	T. Langowski	No reinforcing steel was installed in a 6' x 6' section of concrete in Safeguards Building
12	AC-29	J. Devers	A spillway pillar span or column was erected 75° to 80° offset
4	AC-28	J. Devers	Fresh concrete was placed on top of crumbling concrete during the construction of spillway

Attachment 2

ALLEGER

([REDACTED])

14

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
6	AC-49	T. Langowski	Reinforcement installed upside down in a building near the Unit 2 containment
10	AQC-48	R. Philleo	Conc. Cyl. in the Hunt Lab moist room were allowed to dry
10	AQC-4 AQC-5 AQC-6 AQC-8	R. Philleo	Required aggregate testing equipment was sitting unused on lab shelves
1	AQC-7	R. Philleo	Concrete rejected for being over specification limit on time to discharge was placed in the circulating water intake structure

Attachment 2

ALLEGER

([REDACTED])

1

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
15	AQC-15	C. Hofmayer	Unauthorized cutting or rebar in Fuel Handling Building

Attachment 2

ALLEGER

([REDACTED])

1:

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

Attachment 2

ALLEGER ([REDACTED])

1

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
21	AQP-1	D. Hansen	Pipe piece No. changed in effort to cover up unauthorized work and avoid NCR being written
21	AQH-17	D. Hansen	NCR initiated on valve and flange but never dispositioned


Attachment 2

ALLEGER  /

11

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
2	AC-22, AC-23	J. Devers	"Bad concrete work" or "sloppy" placement of concrete

Attachment 2

ALLEGER 

9

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
3	AQC-52	R. Philleo	Field-cured cylinders which fail specification requirements

ALLEGED

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
45	AW-60	D. Hansen	Defective welds on steam generator top head insulation support
45	AW-65	E. G. Thompson	Circumferential butt welds in fuel transfer tubes
18	AB-7b	V. Ferrarini	Component cooling water surge tank anchor bolts were bent
43	AQW-80	C. D. Richards	Fabrication and installation of fuel pool liners

Attachment 2

ALLEGER

([REDACTED])

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
6	AQC-12 & AC-37	T. J. Langowski	Rebar installed that was not properly inspected upon receipt
15	AC-18	C. Hofmayer	Unauthorized cutting of rebar in non-specific locations
10	AP-8	W. P. Chen	Pipe damaged by sledge hammer
13	AP-7	W. P. Chen	Repairs to fuel pool (spargers)
1	AC-16	R. Philleo	Rejected aggregate was incorporated in basemat of the Unit 1 reactor
17	AQC-45	R. Philleo	Personnel produced incorrect readings on concrete batch plant scales by leaning on the wires connecting the weighing hoppers to the scales.
4	AC-25	J. Devers	Hollow places were found to exist in the concrete behind the stainless steel liner of the Unit 2 Reactor Cavity

ALLEGER

7

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
43	AM-11	C. D. Richards	Fabrication & installation of fuel pool liners
1	AW-38	E. G. Thompson	Welding accomplished without procedure or incorrect procedure
32	AH-20, AH-21	R. Masterson	Hanger fabrication deficiencies
15	AH-5	R. Masterson	Hanger design problems
9	AQW-24	E. G. Thompson	Holes drilled in incorrect locations in base plates, pipe supports; and cable tray supports are "plug welded" in an uncontrolled manner
43	AW-81, AW-82	C. D. Richards	Fabrication and installation of pool liners
24	AQW-26	R. Hubbard	Welding on rebar
26	AQW-2	R. Hubbard	Unqualified welders
28	AQW-6	Malonson	People working outside procedures
30	AQW-15	R. Hubbard	Condenser tube sheets incorrect
18	AB-12	V. Ferrarini	Upper lateral steam generator support anchor bolts were cut
17	AB-7a	V. Ferrarini	Hilti bolts torqued to lower values than required
14	AW-47	W. P. Chen	Improper construction practices were employed during construction of main condensers
14	AP-6	W. P. Chen	Crowbar dropped into pipe in reactor core and never retrieved

Attachment 2

5

ALLEGED

CATEGORY
NUMBER

15

ALLEGATION
NUMBER

AH-5

REVIEWER

R. Masterson

SUBJECT

Hanger design problems

Attachment 2

ALLEGER

([REDACTED])

4

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
4	AW-51	E. G. Thompson	Weld rod control
4	AW-62	E. G. Thompson	Weld rod control
31	AH-6	R. Masterson	Hanger welding problem
44	AW-50, AW-58	D. Hansen	Excessive gap when snubber and hangers welded in place
3	AW-52, AW-59, AW-62	E. G. Thompson	Improper or defective pipe welds

Attachment 2

ALLEGER

3

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
24	AQW-12	R. Hubbard	Disorganized weld repair documentation
26	AQW-5	R. Hubbard	Unqualified weld inspectors
16	AQ-64	J. Tapia	Excavation overbreak/seismic response
42	AP-12, AQ-32	C. D. Richards	Weld repairs not in accordance with procedures; too many repairs, and ANI quit
6	AW-61	V. Ferrarini	Welding with no inerting
12	AP-11	W. P. Chen	Reactor vessel support blocks damaged
11	AP-4	W. P. Chen	"Cold springing" of piping systems
6	AW-46	V. Ferrarini	The ground for welding was accomplished in such a manner that resulted in arc strikes

Attachment 2

ALLEGER

2

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
33	AQW-71	R. Masterson	Hanger material control
27	AQW-69	R. Hubbard	Unqualified weld inspectors
17	AB-14	V. Ferrarini	Signing off on bolts which had torque seal applied by someone else
2	AW-31	E. G. Thompson	Adherence to welding procedures
2	AQW-10	E. G. Thompson	Adherence to welding procedures

Attachment 2

ALLEGER

1

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
26	AQW-2	R. Hubbard	Unqualified welders
27	AQW-17	R. Hubbard	Unqualified weld inspectors
2	AW-36	E. G. Thompson	Adherence to welding procedures
43	AW-40, AW-42	C. D. Richards	Fabrication and installation of fuel pool liners

Attachment 2

ALLEGED

2.

CATEGORY NUMBER	ALLEGATION NUMBER	REVIEWER	SUBJECT
22	AQP-3	R. Hubbard	Incorrect whip restraint repairs.
44	AW-57, AW-64	D. Hansen	Defective welds in vendor supplied PWR and excessive warpage.
44	AW-39	D. Hansen	Defective welds on vendor supplied PWR located in pressure relief tank room unit.
46	AQW-74	R. Masterson	Improper weld quenching techniques.
17	AB-4	V. Ferrarini	(a) Broken hilti bolts during installation (b) Bolts elongated and stripped.
33	AH-3	R. Masterson	Hanger material control.
31	AQW-73	R. Masterson	Hanger material control.
47	AQW-75, AQW-76	R. Masterson	Unacceptable vendor welds in pipe whip restraints.

April 10, 1979

0845 hrs

7c

Subject: Interview With [REDACTED]

Place & Time:

[REDACTED]

[REDACTED]

Category #6
Rebar improperly installed
or missing

Interviewers:

W.A. Crossman

R.C. Stewart

R.G. Taylor

FOIA-85-59
C/253

Preliminary Statement By Interviewee.

1. The reporter from the Star-Telegram had visited him in Nashville, Tenn. and has called several times since on specific points. The reporter promised not to use his name in print in any article growing out of the interviews. The interviewee stated that he has been ~~harmed~~ ^{threatened} with bodily harm by unidentified persons.
2. The interviewee stated that he had ~~worked~~ ^{worked} for the R.W. Hunt Lab. at CPSES for 6 to 8 months ending [REDACTED]

Summary of Allegations:

1. The interviewee stated that equipment used to perform sodium sulfate test of aggregate was unused for several months but stated he had seen equipment used. He remembered the bad odor made by the test. He stated the he asked the "chemist" about not running the test and was told that he, the chemist, didn't often run the test because the results always came out the same. The interviewee stated that the records would make it appear that the test had been performed when it had not. Chemist was identified as [REDACTED]

THE INTERVIEWEE MARKED THE EQUIPMENT SO THAT HE COULD DETERMINE IF THE EQUIPMENT HAD BEEN USED. (HE USED WAX AND STATED THAT IT WAS NOT USED FOR SEVERAL MONTHS (STAR ITEM #2 STATES 3 MONTHS IN EARLY 1976) HE ALSO STATED THAT HE DID THIS TO "GET SOMETHING ON R.W. HUNT" TO GET THEM TO INCREASE THE PAY SCALE.

7c

2. In regard to a placement of concrete in the Circulating Water Intake Structure, the interviewee stated that he and others had rejected concrete trucks for being over specification limit on time to discharge. Banks (the then and present B & R concrete superintendent) ordered his people to dump the concrete on the ground and shovel it into the formwork, which was done. Interviewee was aware the structure was not safety related.

3. The Hunt Lab cylinder curing ^{room} was poorly run in late 1976 through early 1977, primarily due to poor maintenance. The cylinders were allowed to dry out.

4. A building area near the unit two containment structure was initially installed upside down due to the inability of the craft personnel to read the blueprints. He stated that there was a "master carpenter" hired who did not know which end of a hammer to use.

5. The unit one basemat was placed so fast that all of the required concrete test were not performed. (Star item #6)

Additional Information Not Obtained From the Interviewee:

1. The on file records indicated that

records examined.

No cause for termination is stated in

2. The unit 1 containment basement was placed on Feb. 21, 1976 and did consist of approximately 6,600 yrd³ of concrete.

4 (cont) FURTHER QUESTIONING REVEALED THAT HE WAS REFERRING TO REINFORCING STEEL INSTALLED IN WALLS UPSIDE DOWN. WHEN ASKED, HE STATED THAT THE PROBLEM WAS CORRECTED.

6. THE INTERVIEWEE WAS QUESTIONED REGARDING HIS EXPERIENCE WITH TESTING OF CONCRETE CYLINDERS. HE STATED THAT HE KNEW OF NO PROBLEMS IN THE CYLINDER TESTING ACTIVITIES. HE STATED HE HAD PERFORMED CYLINDER CAPPING OPERATIONS.

Water for Civil/Structural
A-III *EBASCO* *Civil/Structural*

REVISION 2
6/28/84

SSER

Task: Allegation A-

Reference No.:

Characterization: It is alleged that specifications and procedures used as acceptance criteria for concrete work were frequently ignored by J. A. Jones personnel.

Assessment of Allegation: The NRC staff independently reviewed 20 of 28 concrete basemat placement packages. The staff review of the 20 placements specifically sampled the first three blocks (blocks 1, 2, and 6) placed, since these placements preceded the Stop Work Order which was issued to achieve corrective action of improper placement activities. The NRC staff found several violations of specifications and procedures during this review, including:

- o Out-of-tolerance concrete test results (air content, slump, mixing time, mixer revolutions, volume of water added),
- o concrete testing frequency,
- o vibrating (concrete and reinforcing steel),
- o excessive movement of concrete,
- o excessive lift height, and
- o concrete curing documentation.

The NRC staff review of J. A. Jones records of the basemat placement packages showed that these violations were identified by EBASCO Quality Assurance (QA) in various placement packages. When a violation was identified, immediate corrective action was taken in the field, when possible. A discrepancy notice (DN), and when necessary a nonconformance report (NCR), was written to document the violation and to establish appropriate corrective action. If the violation involved a change in the original design specification, a field change request (FCR) or a design change notice (DCN) was written to address the violation. For further discussion on the above violations, refer to Allegations 139/140.

Although specifications and procedures were violated during concrete placements, each violation was identified and documented by EBASCO QA, and corrective actions were taken.


Based on its review, the NRC staff has concluded that the quality control of the concrete placements was adequate in achieving construction quality. The NRC staff consultant made an independent evaluation of the construction

FOIA-85-59

C/254

activities and reached the same basic conclusion that the construction of the basemat was adequate to ensure the safety of the structure (See Appendix L).

This allegation has neither safety significance nor generic implications.


Actions Required: None.

References

1. Ebasco Specification LOU-1564.472.
2. J. A. Jones Procedures W-WP-7 and W-SITP-7.
3. Basemat Placement Packages; 499S01-15, 499S01-14A, 499S01-11A, 499S02-9A, 499S02-7B, 499S02-7A, 499S02-8A, 499S02-10B, 499S02-8B, 499S02-5B, 499S02-4, 499S02-5A, 499S02-10A, 499S02-1, 499S02-6, 499S02-2, 499S02-9B, 499S03-16, 499S03-17, 499S03-11B.
4. DNs, NCRs, FCRs, and DCNs addressed in the above listed placements.

Statement Prepared By: _____

Date

Date

Reviewed By: _____

Team Leader

Date

Reviewed By: _____

Site Team Leader(s)

Date

Approved By: _____

Task Management

Date

06/26/84

Quality Assurance
QA/QCSSERTask: Allegation A- 123Reference Number:

Characterization: It is alleged that the employment records for quality assurance (QA) personnel of the Mercury Construction Company have not been verified and that the implications of this alleged practice may apply to all Mercury employees.

Assessment of Allegation: The implied significance of this allegation is that unqualified Mercury quality control (QC) inspectors may have performed inspections on safety-related systems, making the validity of the inspections questionable and the quality of the work indeterminant.

The NRC staff reviewed Mercury's procedure for qualification of inspection, examination and test personnel, inspector certification records, and personnel training and resume packages against Regulatory Guide 1.58, Rev. 1, as required by NRC Generic Letter 81-01, ANSI N45.2.6-1978, and IE Circular 80-22.

The NRC staff sampled 30% of the inspector certifications of QC personnel; the results revealed that no verification of past employment was documented. An additional staff examination of inspector qualification for Allegation A-02 has indicated a generic problem of improperly certified inspectors.

Mercury inspectors had performed inspections on safety-related systems. The NRC staff believes this allegation has implied safety significance.



5

Actions Required: See Item No. 1 in the Enclosure to the letter from D. Eisenhower to J. M. Cain (LP&L), June 13, 1984.

References:

1. IE Circular No. 80-22, Confirmation of Employee Qualifications
2. LP&L letter W3P83-3704, Re: Confirmation of Employee Qualifications
3. See documentation of Allegation A-02 for certification packages reviewed.
4. Regulatory Guide 1.58, Revision 1.
5. Generic Letter 81-01.
6. ANSI N45.2.6, 1978.

Statement Prepared By: _____

Date

Reviewed By: _____

Team Leader _____

Date

Reviewed By: _____

Site Team Leader(s) _____

Date

Approved By: _____

Task Management _____

Date

*Piping/Mechanical
Piping/Mechanical*SSER

Task: Allegation A-

Reference No.:

Characterization: It is alleged that EBASCO interoffice letter W3-QA-23661 (March 4, 1983) was "an example of correspondence written to cover up problems discovered in the documentary review group."


Assessment of Allegation: During the spring of 1982, EBASCO established a Quality Assurance Independent Review Group (QAIRG) to review the status of the documentation furnished by project subcontractors. One group was responsible for the documentation associated with the installation of Tompkins-Beckwith (T-B) piping hangers. During their review, QAIRG members asked questions about the details of their document review. To provide consistent answers to these questions and to give guidance to new QAIRG members, EBASCO management issued W3-QA-236 on March 4, 1983.

To provide continuity of direction, the letter was jointly written by the EBASCO Manager of the Site, the EBASCO Manager of Information Records, the T-B Quality Assurance (QA) Site Supervisor, and the T-B Engineering Manager. The letter, prior to release, was reviewed and verbally approved by the LP&L Site QA Manager.

The allegor feels that EBASCO management may have attempted to solve problems by dictating solutions rather than by using the established discrepancy reports or nonconformance reports.

The NRC staff reviewed the letter and found no instance of an attempt to provide answers or solutions outside the established QA system. Thus, there was no evidence to support the allegor's claim of a coverup.

This allegation has neither safety significance nor generic implications.


Actions Required: None.

References

Statement Prepared By: _____

Date

Reviewed By: _____

Team Leader

Date

Reviewed By: _____

Site Team Leader(s)

Date

Approved By: _____

Task Management

Date

IIC

REVISION 1

07/01/84

Instrumentation & Control

SSER

Task: Allegation A-

Reference No.:

Characterization: It is alleged that there was incomplete quality control (QC) field verification of corrective action prior to closure of EBASCO Nonconformance Report (NCR) W3-2333, that is, not all hanger supports were reviewed for seismic qualification.


Assessment of Allegation: The alleged supplied to the NRC staff a conversation record between himself and a former Mercury employee. From this document, the staff learned that the employee had told the alleged that, as of the time he left Mercury and the Waterford 3 site, only about 95% of the required QC field verifications pertaining to NCR W3-2333 had been accomplished. In view of this information, the alleged's concern was whether the other 5% of the field verifications had been performed prior to closure of the NCR.

The NRC staff contacted the former Mercury employee in order to determine which hanger supports had not been reviewed. He stated that all but eight of the supports requiring rework had been completed, inspected, and documented.

The NRC staff reviewed EBASCO NCR W3-2333 and found these eight supports documented in the closed NCR package. The staff reviewed the documentation and the remainder of NCR W3-2333 for adequate closure. The staff found that the NCR adequately addressed field verification of hanger supports and had been dispositioned and closed out properly.

This allegation has neither safety significance nor generic implications.

5


Actions Required: None.

References

1. NCR W3-2333
2. Allegor "C" Transcript, Exhibit 44
3. Conversation Record between W. Marini and a former Mercury employee.

Statement Prepared By: _____

Date

Reviewed By: _____

Team Leader

Date

Reviewed By: _____

Site Team Leader(s)

Date

Approved By: _____

Task Management

Date

WRITING STANDARDS FOR COMANCHE PEAK
SER SUPPLEMENT (SSER)

Teng

Please adhere to the following style guidelines for Comanche Peak
SSER Allegations so that they are written uniformly.

- o State the allegation in one or two sentences under the heading Characterization, beginning the statement as follows:

"It is alleged that . . ."

State the allegation in plain English; that is, in language understandable to non-technical readers.

- o Do not use the names of individuals. Refer instead to "the alleged" or to an "XYZ corporation QA inspector."
- o Refer to the applicant, contractor and subcontractors by name:

Say: TUGCO
Not: applicant

- o State who is doing what, particularly when writing Assessment of Allegation. If NRC is assessing an allegation, say so. If personnel from Brown & Root or TUGCO are responding to questions, say so.

Say: The NRC staff assessed . . .
Not: An assessment was made that shows . . .

Say: Brown & Root responded by stating . . .
Not: The response was made that . . .

In a study of this kind, we are responsible for saying who did or did not do something wrong. If we do not, no one will be able to follow our evaluation of the activities alleged.

- o Under Assessment of Allegation, indicate in general the documentation and records you reviewed. Do not list every single record. Where the exact words on a form are crucial to supporting or refuting the allegation, quote them. Likewise, where one or two records are key to an understanding of the allegation and its resolution, cite them in your writeup. Otherwise, place the listing of all documents reviewed in the References section.
- o In some cases, an allegation will involve more than one topic. When part of the allegation is discussed in detail in another writeup, refer the reader to the other writeup rather than repeating the discussion.

- o Under Assessment of Allegation, use the past tense to refer to your evaluation and to contractor/subcontractor procedures that were applicable when the allegation was made.

Example: The NRC staff found that QA Procedure 9-IA had been voided and replaced by QA 9-IA, Revision 2.

However, use the present tense when referring to current NRC regulations and industry codes and standards.

Example: Misuse of the corrective action system is a violation of 10 CFR 50, Appendix B, Criteria XV and XVI.

- o Spell out all acronyms and abbreviations the first time they are used followed by the acronym in parentheses. Thereafter, use the acronym.

First Use: weld procedure qualification record (WPQR)

Thereafter: WPQR

Note: Do not capitalize the titles of records when you write them out, but always capitalize the letters when you abbreviate them.

Written Out: nonconformance report

Abbreviated: NCR


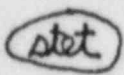






- o Write out all dates

Write: October 12, 1983

Not: 10/12/83

- o Do not refer to "attachments" or "enclosures." They will not appear in the SER Supplement.
- o Under Actions Required, state them in the imperative. Use shall rather than should.
- o Familiarize yourself with the attached list of proofreader's marks. Use them where appropriate.

PROOFREADER'S MARKS

<u>MARK</u>	<u>INSTRUCTION</u>
	delete
^	insert
	let stand
<u>U</u>	capital letter
	lower case letter
	transpose letters or words
<u>CFR</u>	italics
the 	close space
#	insert a space
	new paragraph
	run in/no paragraph
	insert period

WORD PROCESSING GUIDELINES FOR
COMANCHE PEAK SER SUPPLEMENT

1. Double space all drafts until the final version for publication, which will be single space.
2. Return all edited text that has been revised on the word processor to the editor(s) for proofing against the original draft.
3. Put allegation number and name of original writer on the 5520 separator sheet for each allegation writeup.
4. Do not duplicate any existing diskette copies; revise only the original diskette.