



UNITED STATES
 NUCLEAR REGULATORY COMMISSION
 REGION IV
 611 RYAN PLAZA DRIVE, SUITE 1000
 ARLINGTON, TEXAS 76011
 JAN 13 1987



MEMORANDUM FOR: M. E. Emerson, Allegations Coordinator, RIV
 THROUGH: ¹¹² B. L. Constable, Chief, Reactor Projects Section C, Reactor Projects Branch (RPB)
 FROM: D. R. Carpenter, Senior Resident Inspector (SRI), South Texas Project, Project Section C, RPB
 SUBJECT: ALLEGATION 4-86-A-111

A series of meetings, including two tours of the facility, were held between the NRC and the allegor during November 1986. This letter serves to document these meetings, note the issues discussed and record the observations and comments of the NRC inspector.

Meeting - November 6, 1986

- Location: Hilton Hotel, 925 Highway 332, Lake Jackson, Texas
 Time: 6:30 p.m. - 10:25 p.m.
 Present: - D. D. Driskill, Director, Office of Investigation Field Office
 - D. R. Carpenter, Senior Resident Inspector, South Texas Project, Region IV
 - T. Reis, Resident Inspector, South Texas Project, Region IV
 - Allegor
 - ~~██████████~~, friend and former co-worker of allegor

The allegor was, at this time, an employee of Bechtel Energy Corporation. Joining the allegor in the meeting was ~~██████████~~ attended the interview unannounced. Mr. ~~██████████~~ is a former Bechtel employee. The meeting was recorded by a court recorder.

The allegor made general allegations that plant equipment at STP Unit 1 was inoperable or unnecessarily hard to operate and maintain due to poor engineering and construction. The allegor also felt that there were areas which were hazardous in an industrial sense due to poor physical arrangement. Very few specifics were discussed at the interview.

The allegor stated that he attempted to have his concerns resolved within the Bechtel organization but was suppressed by his supervision. Dissatisfied with the responses he obtained from his immediate management, the allegor jumped the chain of command and directed correspondence of his concerns to Mr. Yeates, president of the Bechtel Group of companies, on September 22, 1986. The allegor never formally went to the SAFETEAM with his concerns.

On October 15, 1986, the allegor received a letter of termination from his employer. He stated, under oath, that he had no forewarning of his termination. He feels he was terminated due to his quality accusations. KK/6

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 FOIA-83-642

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On October 16, 1986, he directed his concerns in writing to NRC Chairman Zech.

Mr. [REDACTED] made broad generic allegations of improper documentation within the Bechtel Quality organization. He alleged that the SAFETEAM concept was not working because of employee fear. He alleged many individuals who had gone to the SAFETEAM with concerns were transferred or terminated. No specifics were discussed. A followup interview with Mr. [REDACTED] is planned.

Meeting - November 7, 1986

The STP NRC resident inspectors met with the allegor to see specific examples of concerns.

Location: South Texas Project (STP), Jobsite, NRC Office & Unit 1 Tour.
 Time: 1:00 p.m. - 3:30 p.m.
 Present: - D. R. Carpenter, SRI, STP
 - T. Reis, RI, STP
 - Allegor

The allegor, at his request, met with the NRC inspectors in the NRC office at STP. He brought a large stack of papers that was identified by the allegor as backup information and a list of about 85 (his count) "serious safety concerns," which he had identified during a couple of days of self-directed plant tours. The allegor refused to allow the NRC inspector to make a copy of this list because "he had to show us exactly where the problems were." The allegor was asked by the NRC inspector to start with the most significant safety-related issue he had identified and then the next most significant, etc. and they would work through the list as far as possible that day. A discussion was held on what type of items were safety significant from the NRC stand-point, as opposed to industrial safety. The following are the results of the plant tour (about 2 hours) of Unit 1 on November 7, 1986. These comments are the concerns as stated by the allegor and, except as noted, do not constitute an inspection or evaluation by the NRC inspectors.

Room C-104 (Residual Heat Removal (RHR) pump room)

- Item - Cannot access RHR pump seals for inspection. The pump seal is about 9 feet above floor level. The allegor feels RHR pump should be lowered to allow for ease of inspection in case of seal failure. Also, lowering pumps would allow for easier replacement or maintenance of seals or motor. ALARA concern, lowering the pump would reduce radiation exposure to operations and maintenance people.
- Item - Two valves (one a drain valve RH-10098C) on lines that come out the back side of the pump could be relocated to the front side of the pump to reduce radiation exposure to

operators and maintenance people. Also an industrial safety concern in that they may be hard to get to when plant is hot.

Room 107

Item - Valve N1W2 4911 is a solenoid operated valve (PO 4107) that sits horizontal with the solenoid mechanism facing up. The allegor contends that these valves could be jammed by operators or craftsmen leaving tools or foreign items on top of these valves and leaving the area. When called on to operate, these valves could be jammed and not perform their intended safety function. The allegor believes that there should be protective coverings on this and all similarly oriented solenoid operators.

This is a generic issue, about 50 such valves of similar configuration are in the plant.

RCFN Fan Room

Item - Electric winch monorail 9C101NCM101A is improperly located in that it passes thru a steel portion (actually part of the RCFN fan plenum assembly). The NRC inspector pointed out to the allegor that there is a bolted removable section in the plenum wall that allows the monorail to exit. The allegor "still thinks its a screwed up design."

Item - RCFN fan 2V141VFN004 it is too high for the installed monorail (9C101NCM101A) to be used for removal of fan. The NRC inspector noted, to the allegor, that the removal of sheet metal from the fan unit would allow the unit to be handled by the installed monorail.

Item - A platform handrail would make it impossible to remove fan 2V141VFN004 for repair. NRC inspector pointed out to the allegor that the rail would be in the way for complete fan removal but could easily be removed if required.

RHR "A" Pump Room

Item - The RHR pump stand is assembled with temporary bolts (identified with yellow paint) and the system is turned over.

The NRC inspector has questioned this before and the use of these temporary bolts is documented and in compliance with site procedures.

Item - All of the same conditions exist as in the RHR "C" pump room.

Item - A local reading pressure gauge is located behind the RHR pump. The allegor contends that this gauge should be relocated to the pump room entry in order to reduce exposure to people who would read the gauge.

RHR "B" Pump Room

Item - All of the same comments as in RHR "A" and "C" pump rooms.

Reactor Containment Building - Elevation (-) 2 feet.

Item - Level transmitter ED LT 7811 is protruding out into the passage way which would be an impediment to personnel traffic and a safety hazard. The allegor contends the unit could be rotated +90 degrees to protect equipment and personnel.

Room 202

Item - RHR 1C flow manifold is located too high and behind some other piping creating a safety hazard to operators of the manifold. The allegor contends the manifold should be relocated. Item - air reducing manifold N1SYFY3963 is all corroded and demonstrates poor protection of plant equipment.

The tour was ended at this time and the allegor was concerned that he had just gotten started and he even saw other things on this tour that should be corrected. He still declined to provide a copy of his list to the NRC inspector.

Meeting - November 10, 1986

Location: South Texas Project, Jobsite, NRC Office
 Time: 1:00 p.m. - 2:00 p.m.
 Present: - D. R. Carpenter, SRI, STP
 - T. Reis, RI, STP
 - Allegor

The allegor showed up at the NRC insisting on continuing the tour because, "this was his last week and he had to show the NRC what was wrong." He again declined to provide the NRC with a copy of his list of safety items. The NRC inspector discussed the tour of November 7, 1986, and the relative nature of his concerns. Some appeared to be more rightly industrial safety. He admitted that he did not check any of the details of his concerns but that they "just didn't look right." Most of his items were identified to Bechtel or HL&P and they chose to not incorporate his recommendations. Due to previous commitments for that afternoon, the NRC inspectors agreed to return to the field with the allegor on November 12, 1986. Again the allegor was asked to concentrate on the most significant of his concerns first.

Meeting - November 12, 1986

Location: South Texas Project, Jobsite, NRC Office and Unit 1 Tour
Time: 11:00 a.m. - 2:30 p.m.
Present: - D. R. Carpenter, SRI, STP
- T. Reis, RI, STP
- Alleger

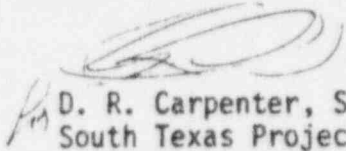
The NRC inspectors and the alleger returned to Unit 1 RCB to resume tour started on November 7, 1986.

- Item - Oil drain line 1C containment isolation valve (1-PO-0217) in positioned such that the valve could not be disassembled for maintenance. Valve body is about eight inches from structural member. This member is bolted in and would have to be removed on the valve cut out for reseating. Alleger recommends relocating the valve.
- Item - Accumulator 1C is about 30 feet tall and supported only at the bottom. The relief valve (1-PSV-977) is mounted on top of the accumulator with a pipe support that allows only one dimensional movement. During a seismic event the alleger contends the relief valve line could be broken off the accumulator thus rendering it unavailable to perform its safety function.
- Item - CVCS letdown isolation valve (1-RC-085) cannot be disassembled for maintenance due to pipe hanger interference. The alleger recommends redesign hanger support or relocate the valve.
- Item - Only one isolation valve on primary instrument pipe. An example is 1-RE-062C loop flow indicator high pressure isolation valve. The alleger contends that there should be two valve protection on all instrument lines.
- Item - Loop 2 drain to RCDC isolation valve (1-RC-056B) is located too close to concrete support to allow valve to be fully opened.
- Item - Loop 2 flow transmitter isolation valve (1-RC-059B) is located too close to cable tray to provide maintenance. The alleger suggested moving valve or cable tray.
- Item - Loop 4 drain to RCDT isolation valve (1-RC-0570) is hard to maintain and should be repositioned to have the valve steam in the vertical position.
- Item - Fuel Handling Building (FHB) exhaust booster fans 11A, 11B, and 11C are hard to get out for maintenance or replacement. Alleger contends they should be relocated for ease of maintenance.

- Item - Valve WL-0980, liquid waste processing system hard to get to for operations or maintenance.
- Item - Valve DW-0209, demineralizer water system was located in hard to get to location.
- Item - Liquid waste processing system tank room - tank fittings not built up. This could cause tank failure.
- Item - Room 79A of Mechanical Auxiliary Building very crowded and air reducer on back wall hard to get to.

The tour was concluded and the allegor still had a long list of things he wanted to show the NRC. He had to leave to be processed off site. This was his last day of employment at STP. He indicated his total willingness to come back and show us (the NRC) all of the things on his list. He once again declined to provide the NRC with a copy of his list of concern. The NRC inspector encouraged him to relate all of his concerns to the licensee's SAFETEAM prior to leaving the job. He indicated he would do so.

The allegor talked on the NRC office phone to G. L. Constable, Chief, RPB/C and M. Emerson, Allegation Coordinator, RIV. During all of his contact with the NRC he took detailed notes on who said what. During the site tours, the NRC inspector took pictures of most of the concerns that were looked at and these pictures are available at the NRC, STP office.


D. R. Carpenter, SRI
South Texas Project

cc:
G. L. Constable

REGION IV

DATE: 12/19/86

DEC 22 1986 ACTION ITEM NO. 86-632

SUBJECT: South Texas Nuclear Power Plants

Ltr dtd 12/8/86 to Chairman J. J. [redacted]

PRINCIPAL ASSIGNEE: Saxborn

FOR SIGNATURE OF: _____

SECONDARY ASSIGNEE: Powers, Constable

INFORMATION ONLY: _____

DIVISION/BRANCH COPY ASSIGNMENT: _____

INPUT DUE DATE: _____

DUE DATE: 1/8/87

CORRECTED DUE DATE: _____

DATE ACTION COMPLETED: _____

REMARKS AND CLOSEOUT: _____

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DATE: JAN 9 1987

ET 6 ACTION ITEM NO. 87-017

SUBJECT: Ltr. (12/8/86) from [redacted] Expressing
Concern Re: Design and Installation
Deficiencies at South Texas Plant
12/24/86 Ltr. from Lloyd Bentzen

PRINCIPAL ASSIGNEE: G. Sanborn FOR SIGNATURE OF: _____

SECONDARY ASSIGNEE: _____

INFORMATION ONLY: E. Johnson, D. Diskill, M. Emerso

DIVISION/BRANCH COPY ASSIGNMENT:

INPUT DUE DATE:

DUE DATE: 1/23/87

CORRECTED DUE DATE: _____

DATE ACTION COMPLETED: JAN 14 1987

REMARKS AND CLOSEOUT: (Ref: AT 86-632)

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