

INDIVIDUAL SITE RATINGS

From The

IE EMPLOYEE SURVEY ON EVALUATION OF LICENSEES

April 1978

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U. S. Nuclear Regulatory Commission

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Background

This report documents the "Individual Site Rating" portion of the "IE Employee Survey on Evaluation of Licensees" that was conducted in the fall of 1977. The purpose of this survey was to solicit the views of employees of the Office of Inspection and Enforcement (IE) on a variety of subjects related to Licensee Performance Evaluation (LPE). For several years, IE has been attempting to develop a method of identifying those licensees whose level of performance (as measured principally, but not solely, by compliance) requires improvement.

A persistent IE staff criticism of early in-house efforts to develop an LPE methodology was that proposed quantitative rating schemes did not capture the subjective judgments of those Regional employees familiar with the specific licensed activities. This questionnaire was developed as one way of responding to that valid criticism. In addition to asking a number of questions on the advisability and mechanics of conducting evaluations of licensees, the questionnaire also asked each Regional respondent to evaluate each of the sites he was familiar with in terms of its overall safety and a number of other factors. This report summarizes the results of those ratings.

A survey instrument was prepared and statistical calculations were performed by Hay Associates under NRC Purchase Orders DR-77-1322 and DR-77-2631. After the questionnaire was developed with significant input from the IE staff, it was distributed by IE to all appropriate staff members directly associated with the inspection of operating power reactors.

including both Headquarters and Regional employees. To encourage candor and to comply with the Privacy Act, respondents were asked not to sign their names to the questionnaire and all responses were mailed directly to and compiled by Hay Associates.

Use of Site Rating Information

The views solicited in this questionnaire constitute predecisional opinions that are intended primarily to contribute to the development of a methodology for evaluating NRC licensees. For this and several other reasons, the site rating information may not be appropriate for release to the public. Although the information is untested, unvalidated, not directly related to licensee compliance with NRC requirements, and unreviewed by licensees, it may be of some use to IE management in gaining insights into the perceived safety at the 45 operating power reactor sites licensed by NRC. Some of the information may provide additional insights that will help identify inspection program improvements or form the basis for management conferences with licensees. For these latter purposes, the information should be used with some discretion and with an awareness of its limitations noted above.

The results of the site rating information are presented in summary form to adhere to the requirements of the Privacy Act by preventing the specific responses of any single individuals to be identified.

Survey Procedures

The questionnaire was distributed to all employees of IE associated with the inspection of operating power reactors. In rating specific sites, Regional respondents were asked to rate sites you feel you know enough about to evaluate. Some of your knowledge of that site should have been gathered since January 1975."

Respondents were asked to rate each site they were familiar with by filling out a two-page section of questions (see Figures 1a and 1b on the following pages). The first eleven questions for each site asked the respondent to assess the safety of the site in terms of its overall safety (question 1) and in terms of ten additional factors (questions 2 - 11). For each of these eleven ratings, the respondents were asked to "draw a line indicating how safe you think this site is." A scale labeled "SAFETY" was provided for this purpose. The endpoints of this safety scale were labeled "ACCEPTABLE" and "EXCEPTIONAL." The following definitions were provided:

1. Safety - the degree to which the licensee protects the public against exposure to radiation resulting from the licensee's use of nuclear materials.
2. Acceptable - barely safe enough to be permitted to continue operating.
3. Exceptional - having a virtual absence of risk.

The "acceptable" endpoint was so labeled because all plants currently permitted to operate by NRC were presumed to be at least marginally satisfactory. In the event a respondent considered a plant less than "acceptable," a space for narrative comments about the safety of each site was provided (question 18).

Respondents were asked to describe their own level of knowledge of the site, identify whether they were the Principal Inspector for the site, and indicate how recently they had inspected the site (questions 12 - 14). Another question (15) asked for a comparison of the site's requirements

Figure 1b: Sample Rating Page 2

12. How well do you know this site and its safety characteristics:

HARDLY
AT ALL

EXTREMELY
WELL

1 2 3 4 5 6 7

13. Are you the Principal Inspector for a reactor on this site?

Yes

No

14. About how many months ago did you last inspect this site? _____ months ago.

15. The NRC requirements that this site must follow are:

MUCH LESS DEMANDING
THAN THOSE OF OTHER
SITES

MUCH MORE DEMANDING
THAN THOSE OF OTHER
SITES

1 2 3 4 5 6 7

16. Have there been any changes in the overall safety of this site since January 1977, that have caused its safety level to change? (Check one)

- 1. _____ No change in safety at site
- 2. _____ Safety slightly improved
- 3. _____ Safety substantially improved
- 4. _____ Safety slightly worse
- 5. _____ Safety substantially worse
- 6. _____ Don't know

17. If a change in safety level occurred, please describe it briefly.

18. Are there other things we should consider about the safety of this site?

Yes

No

If yes, please explain:

If this is the last site you are rating, please turn to page 34 and complete the questionnaire.

with those of other sites in terms of being more or less demanding. Finally, respondents were asked to indicate whether site safety had changed since January 1977, to describe how it had changed, and to add any other comments relevant to the safety of the site (questions 16 - 18).

In addition to rating each site they were familiar with, all respondents were asked to assess the safety of a fictitious site that was defined as the average of the 45 operating nuclear reactor sites in the U.S. This section was included to provide a means of calibrating the responses of employees from different Regional Offices.

Computational Procedures

All site safety ratings were converted to digital scores by manual measurement and recording of the responses to the "draw a line" questions. The ratings of the "typical site" were similarly reduced to digital form. Mean rating scores for each site were then calculated. Comparability was a major concern in comparing ratings of sites in various Regions, because people in one Region were generally unfamiliar with and did not rate sites in Regions other than their own. To compensate for potential differences in ratings between Regions, each person's rating of each site was raised or lowered based upon how his rating of the "typical site" compared to the average of all respondents' rating of the "typical site." This linear "rubber band" transform makes the ratings of site safety comparable across all raters and Regions. These adjusted site ratings were reconverted to a graphical format for display.

Averages for the numerical responses to other site rating questions were also calculated, and responses to the narrative site rating questions were paraphrased.

Results

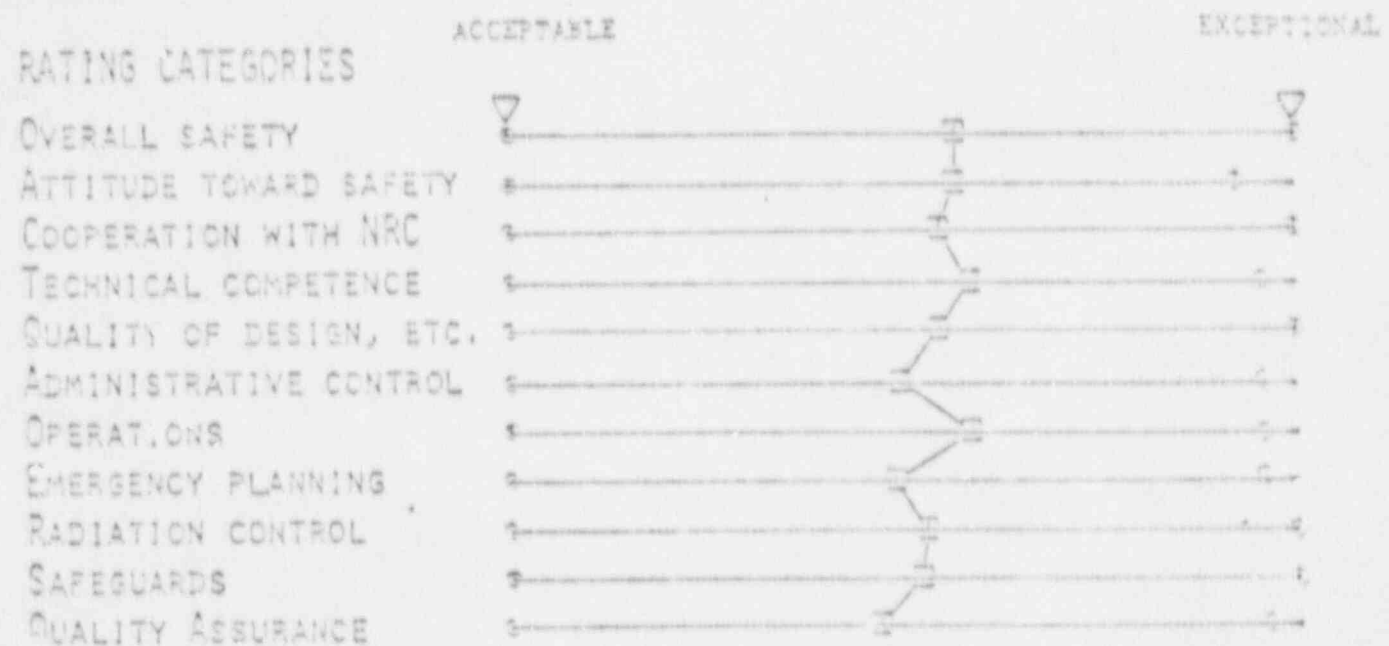
Ratings of the "typical site," shown in Figure 2, illustrate the format used to present site ratings. The top of the rating sheet depicts the safety ratings of the site in terms of overall safety and the other ten safety factors, all shown on a scale of "acceptable" to "exceptional." The squares in on the scale for each factor represent the mean rating, and the two circles on each scale represent the high and low ratings for each factor. As shown in Figure 2, the typical site is rated somewhat more than halfway between acceptable and exceptional, and ratings of the ten individual safety factors are in the same range. The perceived weakest areas, by a small margin, are Quality Assurance, Emergency Planning, and Administrative Controls. For the typical plant, the range of responses covers the entire scale for almost every factor. The ratings of the typical site reflect the judgments of 94 persons.

Because the typical site is fictitious, it did not receive ratings for the "familiarity of the raters with site," the "average number of months since raters' last inspection," or the "stringency of requirements for site."

Of the 94 persons rating the average site, 72 expressed opinions on the "change in site safety since January 1977." Most people felt that site safety had either improved slightly (39) or substantially (-), while about 40 percent (28 people) felt there was no change. Only one person thought that safety at the typical site had become worse since January 1977. There were no narrative comments solicited or offered about the safety of the typical site.

The means and standard deviations of the adjusted "overall safety" ratings are shown by Region in Figure 3. The mean adjusted safety rating for each Region is indicated by the square and the arrows represent the associated standard deviations. These results confirm that there are

Figure 2: Rating of the Typical Site DOCKET NUMBER 80-999



NUMBER OF PEOPLE RATING SITE = 94

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = N/A
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = N/A

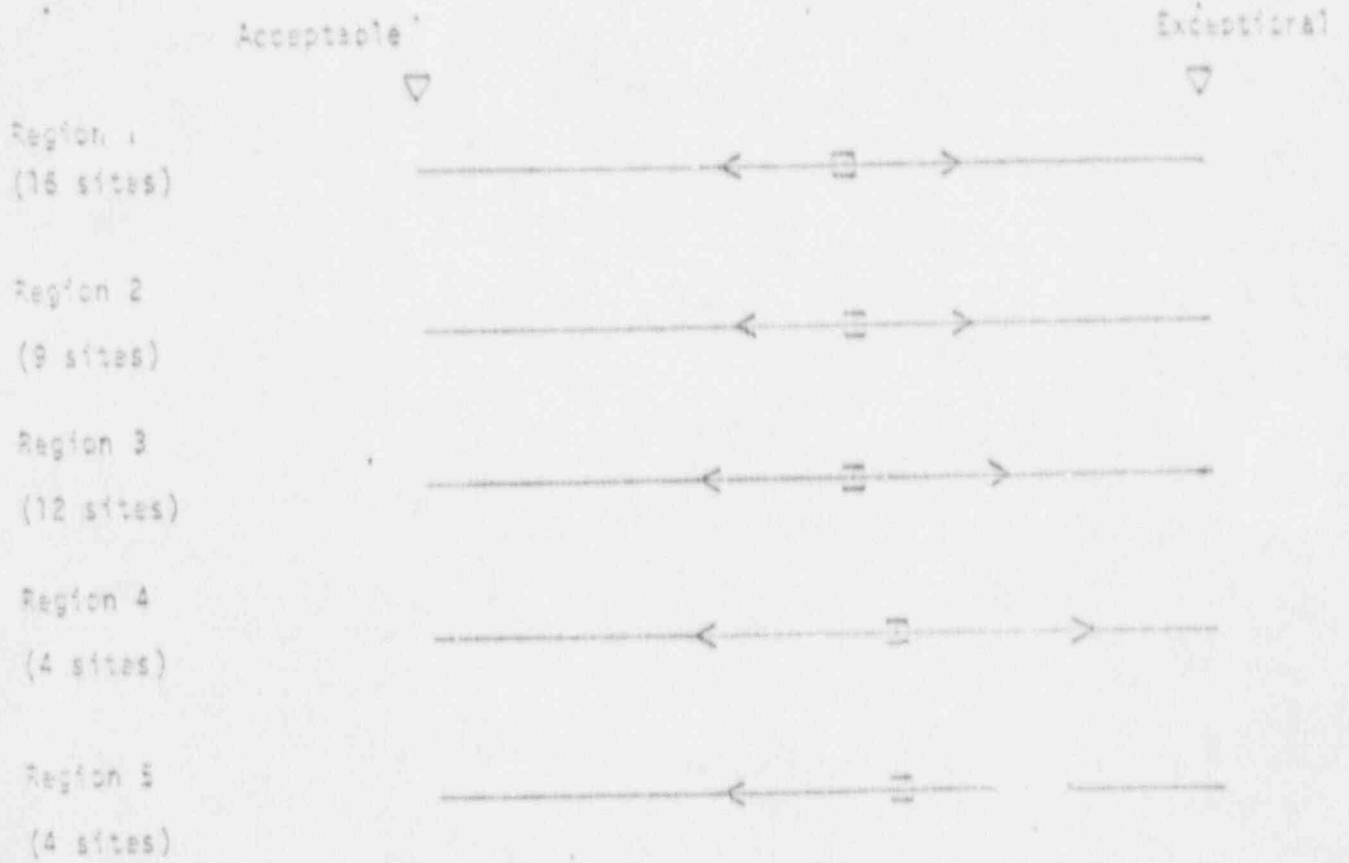
STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = N/A
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>28</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>39</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>4</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>1</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>0</u>

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

FIGURE 3: AVERAGE SITE RATINGS BY REGION*



*Squares indicate regional means of adjusted "overall safety" ratings.
Arrows represent standard deviations.

no substantial differences in the average ratings between regions after each individual's ratings are adjusted to account for his assessment of the typical site. The means for the three large regions (1,2, and 3) are virtually the same. Those for the smaller Regions (4 and 5) are slightly greater as are the standard deviations.

Rating information for each of the 45 sites is provided as Appendix A. A separate page is devoted to each site. As noted earlier, the squares on each safety scale indicate the mean rating, and the circles indicate the range of responses. The narrative comments represents a paraphrasing of observations from various persons which are not necessarily consistent with each other or with the quantitative rating information at the top of the form.

This information may be useful not only for developing evaluation methodology, but also for providing insights into the perceived levels of site safety, specific strengths and weaknesses at each site, overall trends toward improvement or degradation of performance, and possible improvements in inspection strategies.

APPENDIX A

INDIVIDUAL SITE RATINGS

SITE Beaver Valley

DOCKET NUMBER 50-334

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 13

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.3
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 5.3

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 5.5
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>2</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>6</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>1</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>0</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>0</u>

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Staff is experienced. QA controls improved. Staff is improving. Bugs are being worked out of equipment and administrative controls. Plant management has improved. Security has improved with increased requirements. Staff still learning.

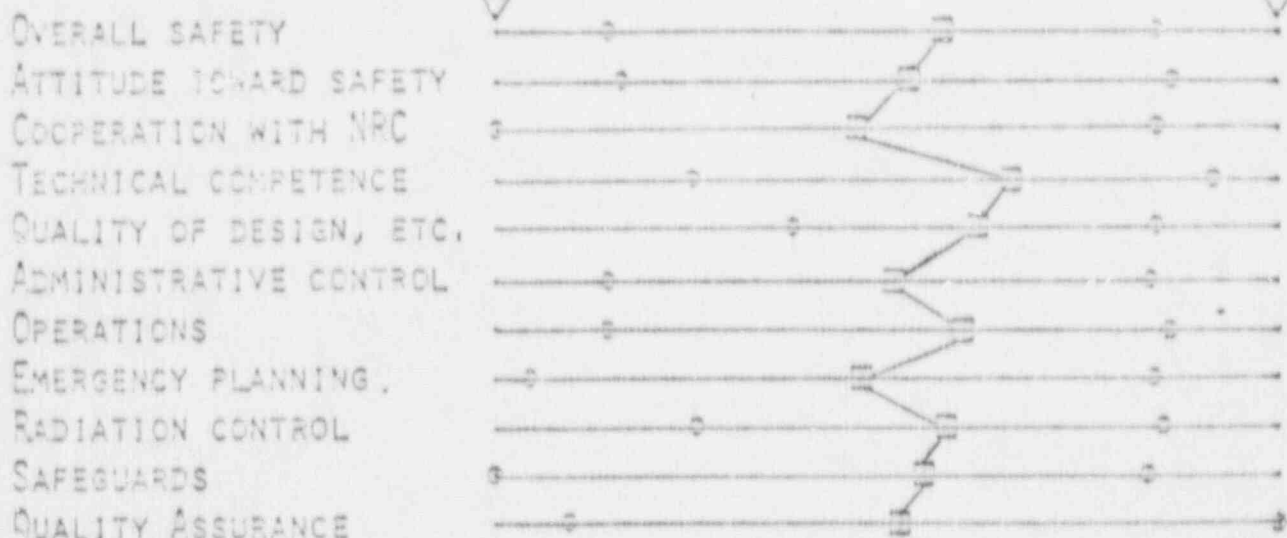
SITE Calvert Cliffs

DOCKET NUMBER 50-317

RATING CATEGORIES

ACCEPTABLE

EXCEPTIONAL



NUMBER OF PEOPLE RATING SITE = 15

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.9
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 6.8

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 6.8
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 6
- 2 = SAFETY SLIGHTLY IMPROVED..... 5
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 1
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Management more attentive as a result of enforcement conference. An important staff member is anti-NRC and anti-QA. Security is improved. This site doesn't do more for safety than meet minimum requirements. Emphasis is upon commercial operation; attitude toward safety is that meeting NRC requirements literally is sufficient.

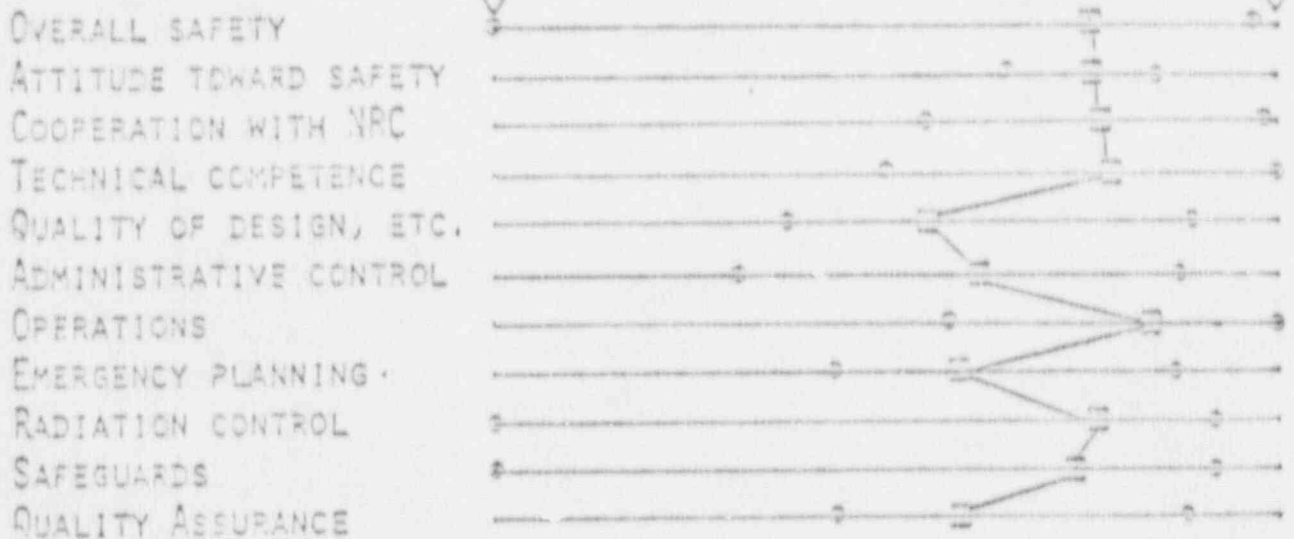
SITE Connecticut Yankee

DOCKET NUMBER 50-213

RATING CATEGORIES

ACCEPTABLE

EXCEPTIONAL



NUMBER OF PEOPLE RATING SITE = 9

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.6
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 7.6

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 3.7
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 7
- 2 = SAFETY SLIGHTLY IMPROVED..... 1
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 0
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

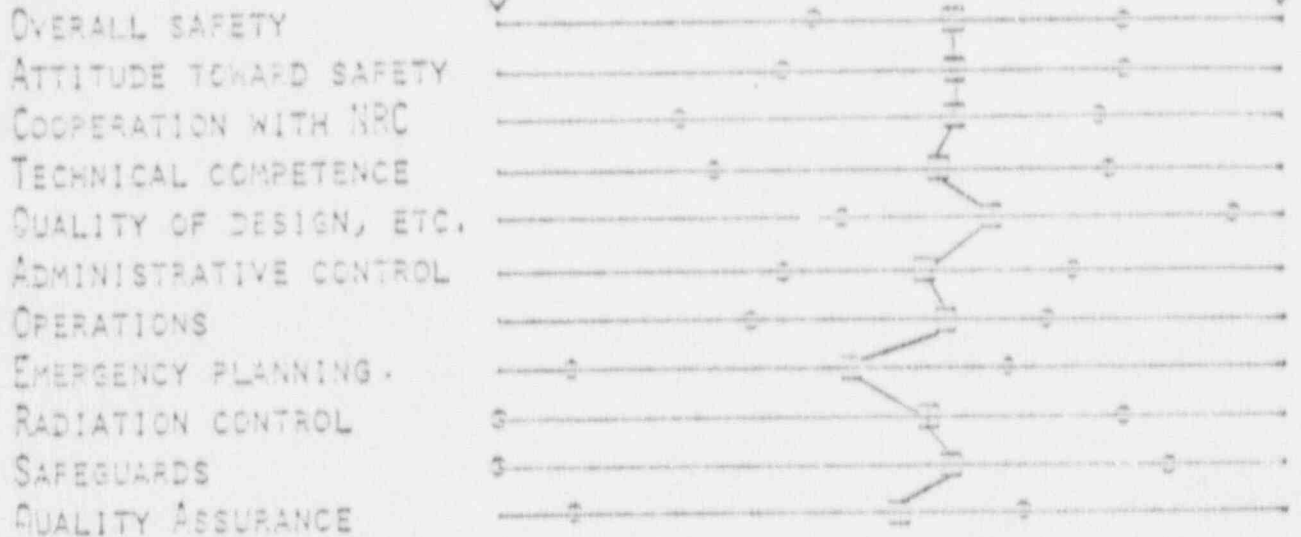
NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Overall safety should be improved at the completion of ongoing design requirements and license condition upgrading.

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 11

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.0
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 5.5

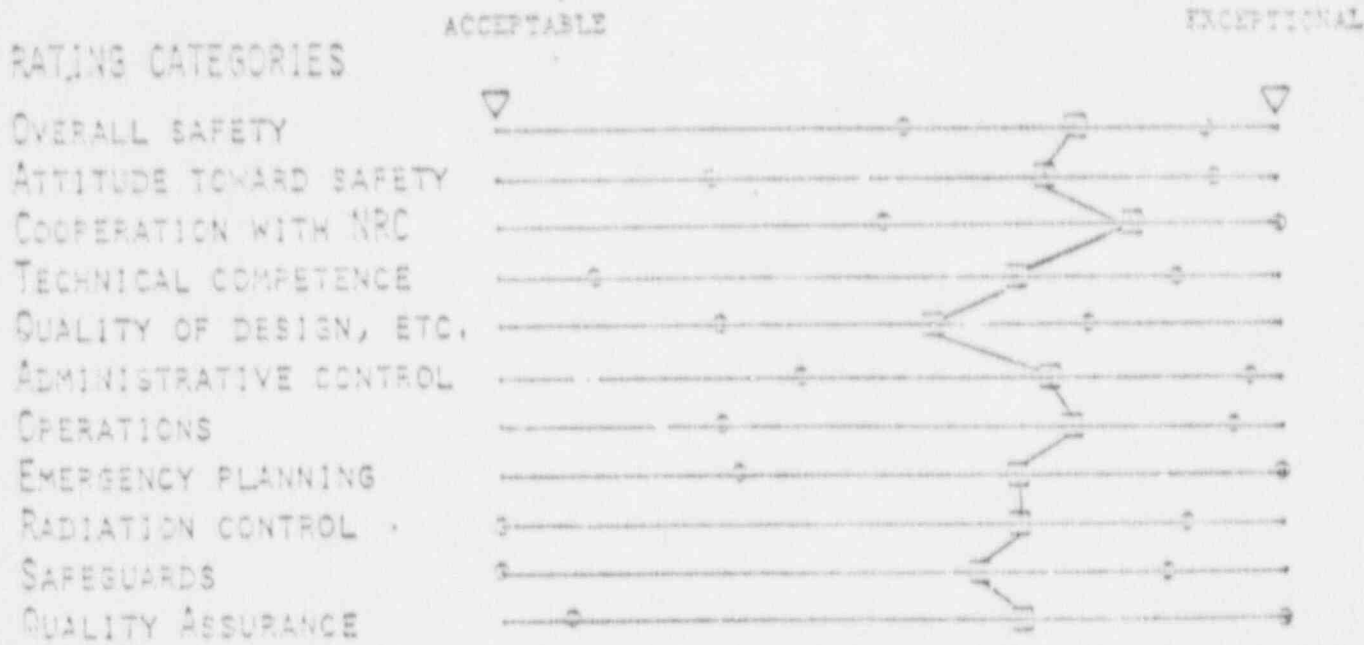
STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 4.6
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES;
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>4</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>6</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>0</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>0</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>0</u>

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Plant has a new operator (PASNY) that appears to have made improvements. Is increased management attention to operations. New security procedures are in effect. New management has improved technical competence and management and administrative controls. Design has been modified to add safety systems. Excellent fire protection and security systems. Management improvements noted.



NUMBER OF PEOPLE RATING SITE = 11

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 6.4
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 8.5

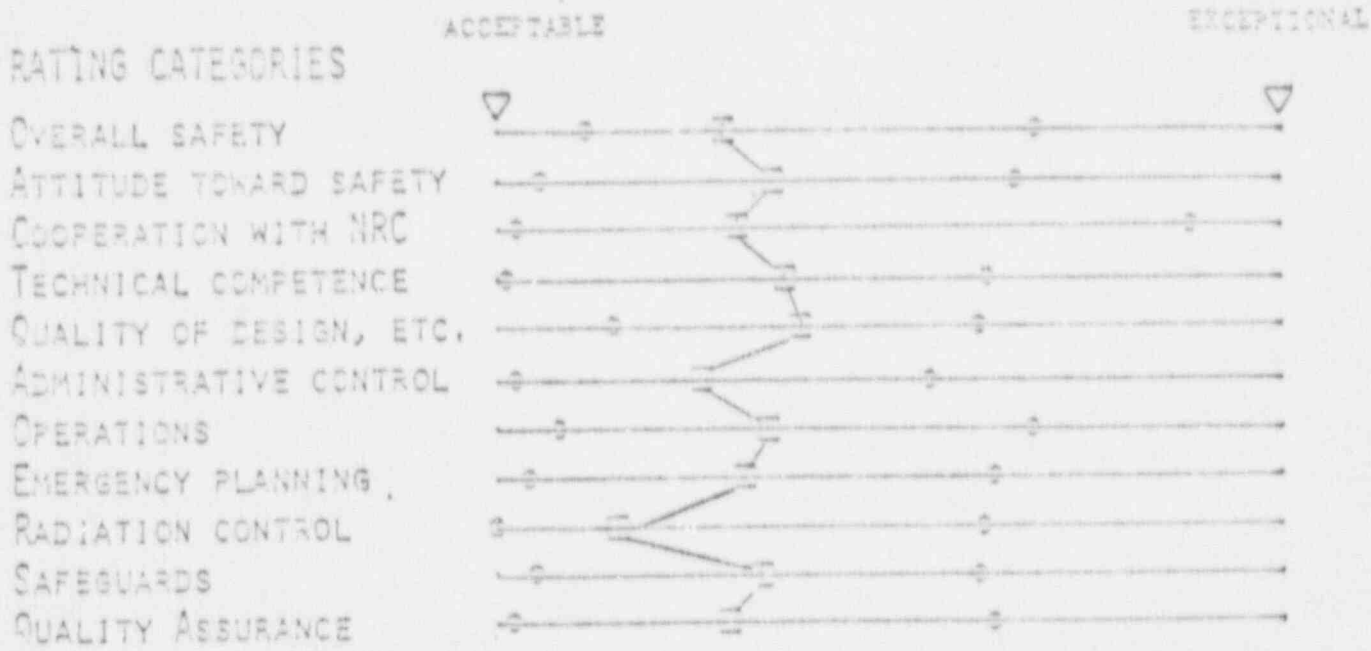
STRENGTH OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 3.4
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>9</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>0</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>0</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>0</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>0</u>

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

The plant is old, small, and run safely.



NUMBER OF PEOPLE RATING SITE = 13

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.5
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 5.8

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 3.8
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>4</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>4</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>3</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>0</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>0</u>

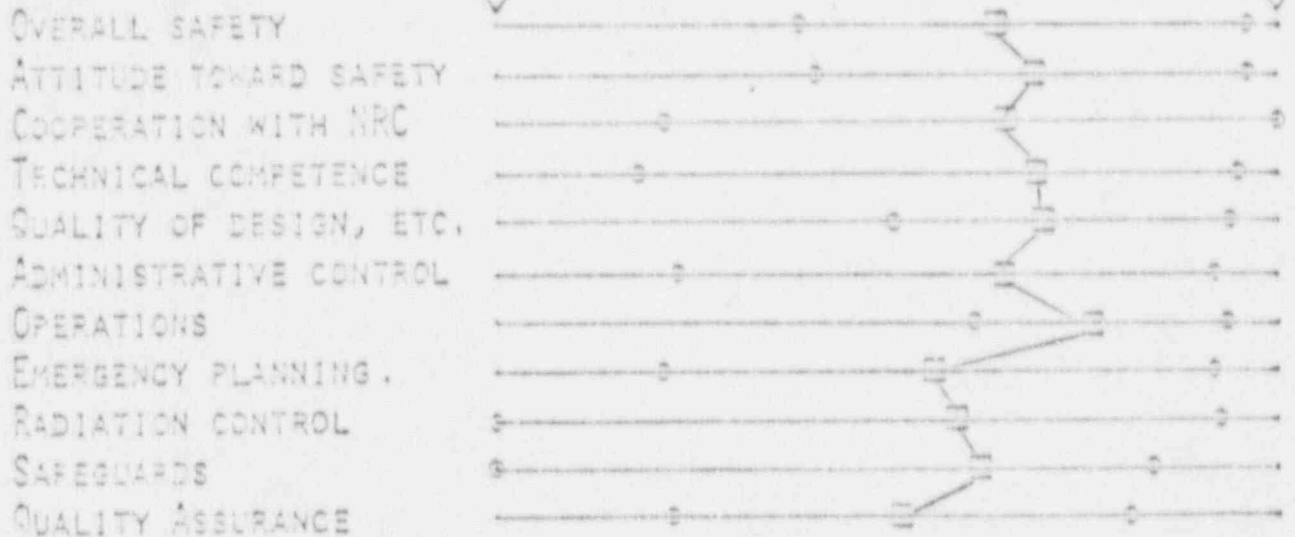
NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Indian Point Unit 3 is superior in all respects to Unit 2, primarily because of its management controls and personnel. Considerable recent attention to RP, safeguards, and other areas of Unit 2 operations has resulted in considerable upgrading. Radiation health controls have improved. Recent problem with instrumentation. We do not have a QA plan meeting current requirements. Unit 3 rated higher than Unit 2 because PASHM management better than that of Con. Ed. Significant recent improvements in management control. Corporate management attitude contributes to high effectiveness of site management. Need to continue more frequent inspections by our best inspectors.

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 10

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.5
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 9.8

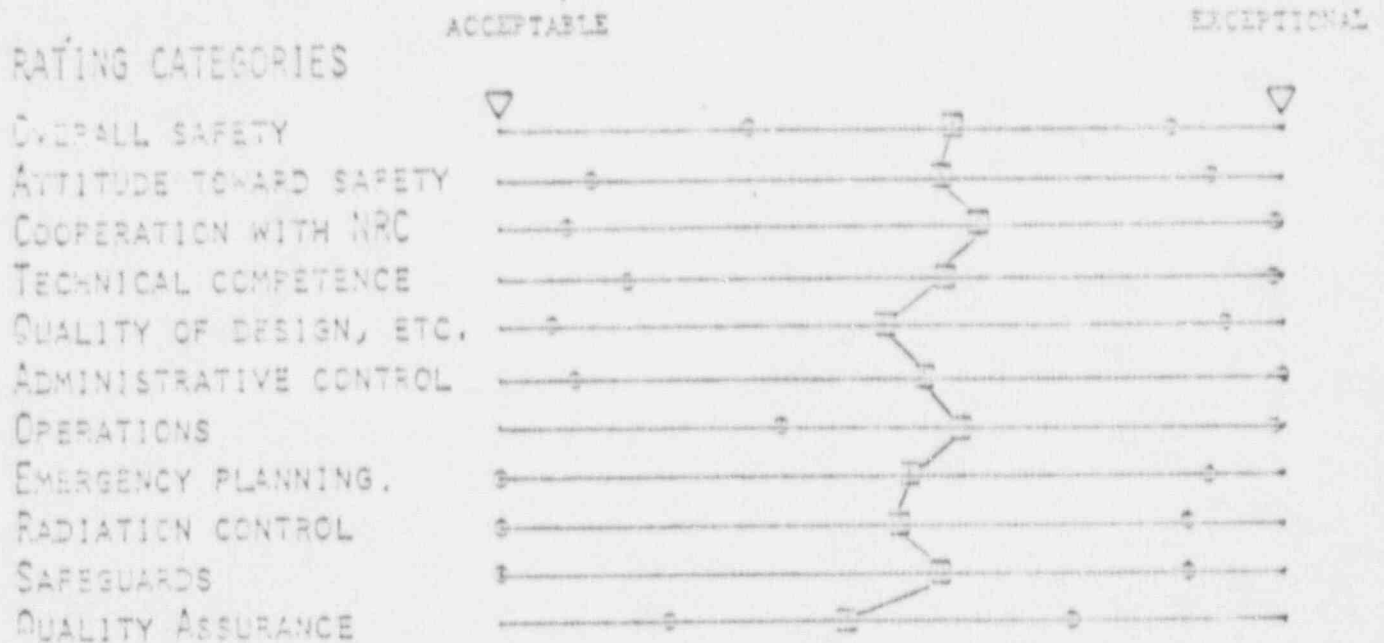
STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 3.5
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 8
- 2 = SAFETY SLIGHTLY IMPROVED..... 0
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 0
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

The cleanliness of this plant reflects a pride of ownership and indicates happy people working at a good plant. QA plan was recently upgraded.



NUMBER OF PEOPLE RATING SITE = 20

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.0
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 6.3

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 3.8
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>9</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>5</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>0</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>0</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>0</u>

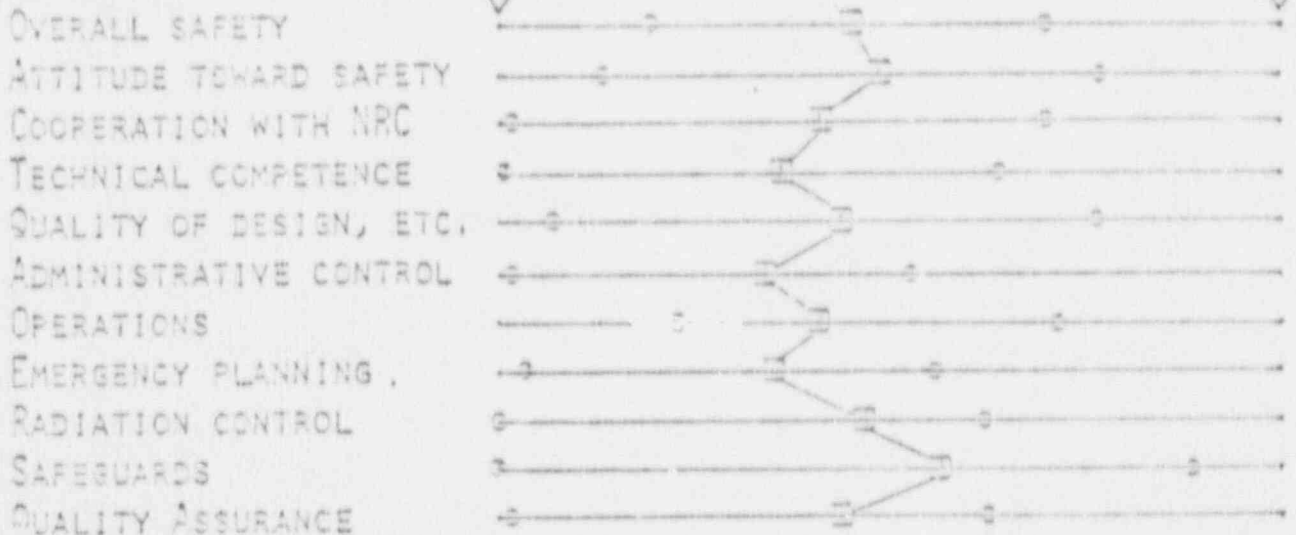
NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Unit 1, an old BWR, is rated lower than Unit 2. Awareness of safety has increased. The different units operate relatively independently, and each has a different vendor. Improved security at arguments. Plant lacks full separation and fire protection systems. Rod waste system undersized. New QA organization seems slightly better.

RATING CATEGORIES

ACCEPTABLE

EXCEPTIONAL



NUMBER OF PEOPLE RATING SITE = 13

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.5
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 10.0

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 2.9
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY	<u>11</u>
2 = SAFETY SLIGHTLY IMPROVED	<u>0</u>
3 = SAFETY SUBSTANTIALLY IMPROVED	<u>0</u>
4 = SAFETY SLIGHTLY WORSE	<u>0</u>
5 = SAFETY SUBSTANTIALLY WORSE	<u>0</u>

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Plant was operated by former fossil plant people; they have not yet become nuclear people. This is an old plant, but its engineering, layout, and construction are good. Do not have enough on-site plant support except in operations. Security program excellent. Plant efficient in system separation and high pressure inspection systems. Conservative approach to operators. Plant staff has been stable. Plant has experienced SAR operators.

SITE Oyster Creek

DOCKET NUMBER 9-219



NUMBER OF PEOPLE RATING SITE = 14

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.5
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 10.0

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 2.9
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	5
2 = SAFETY SLIGHTLY IMPROVED.....	5
3 = SAFETY SUBSTANTIALLY IMPROVED.....	0
4 = SAFETY SLIGHTLY WORSE.....	0
5 = SAFETY SUBSTANTIALLY WORSE.....	0

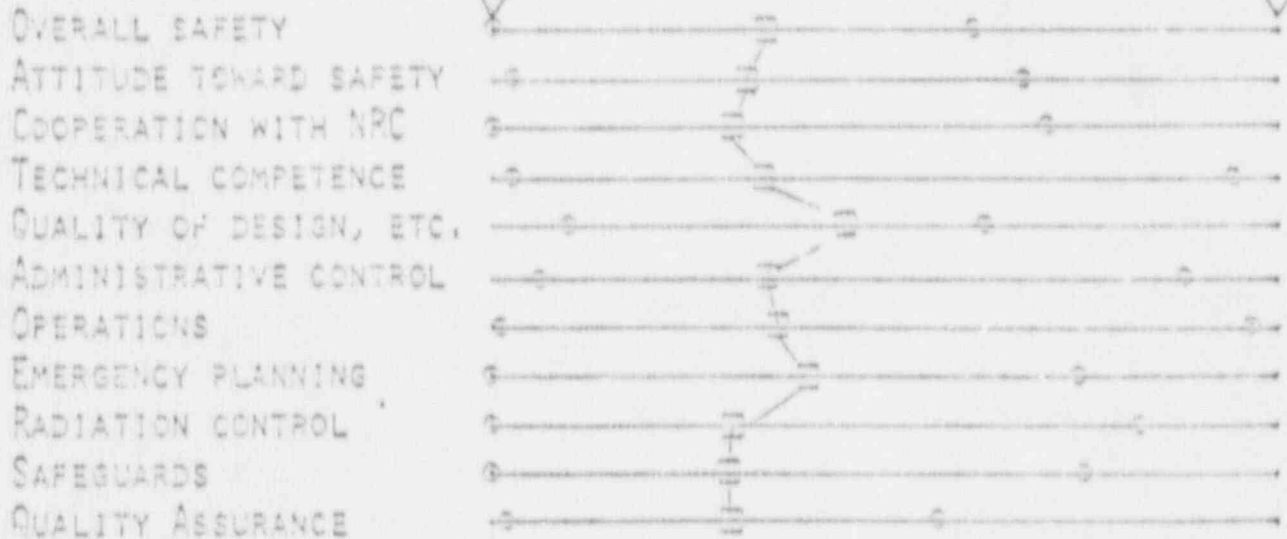
NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Safety should be upgraded (guard force and surveillance). New operating procedures and maintenance systems have improved safety. On order for that time fully implemented. As an early start, plant has inherently different safety characteristics. Facility management has not entered in principle a comprehensive management control system. They tend to just meet the minimum requirements. Design review of this plant was deficient. Plant has built at limited cost. The waste, fire protection, and system operations are adequate. Concrete management has firsthand knowledge of plant.

RATING CATEGORIES

ACCEPTABLE

EXCEPTIONAL



NUMBER OF PEOPLE RATING SITE = 19

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 6.0
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 5.5

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 4.3
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>8</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>3</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>0</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>3</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>0</u>

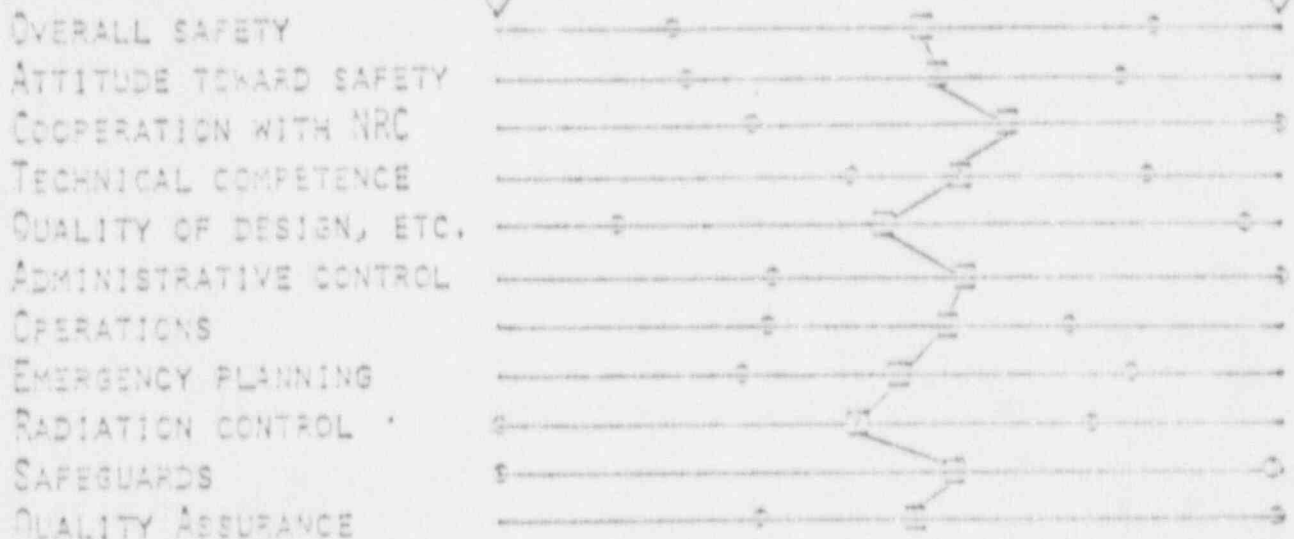
NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

This is the least safe site in Region 1 and has the poorest management. QA and S&C are not upgraded to current standards. Many repeat items of noncompliance. Plant staff has appeared incapable of correcting increased plant radiation levels. Management is slow responding to problems. A greater inspection frequency is partially attributable to proximity to regional office. Expect improvements as a result of management meeting with company president. Operating staff presently error-prone due to back-to-back overhaul periods for Units 2 and 3. General attitude of plant appears to be compliance only as required. Careless operations and poor maintenance

RATING CATEGORIES

ACCEPTABLE

EXCEPTIONAL



NUMBER OF PEOPLE RATING SITE = 13

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.6
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 3.6

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 4.2
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>7</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>1</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>0</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>1</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>1</u>

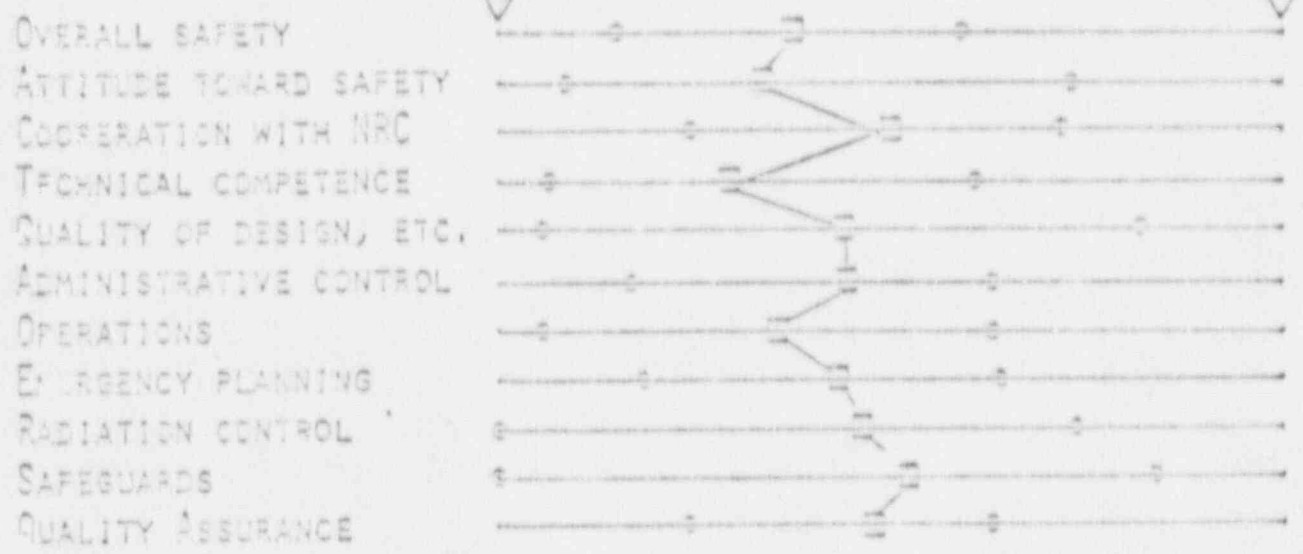
NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

The generation of its design may be an overriding factor for this early B&R. Corporate management improved. Radiation management improved. Frequent station turnover changes. Significant reductions in effluents and worker exposures expected. Plant management has not been stable. This is the cleanest B&R in the country.

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 19

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 6.6
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 4.8

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 6.3
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 6
- 2 = SAFETY SLIGHTLY IMPROVED..... 1
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 1
- 4 = SAFETY SLIGHTLY WORSE..... 0
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

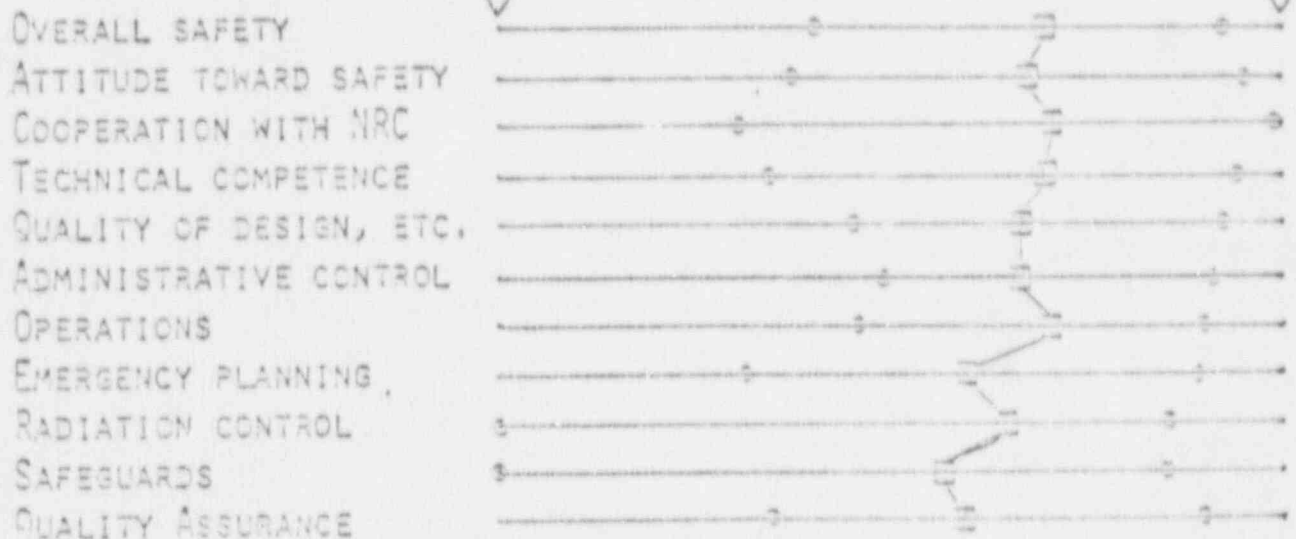
NERVATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

The plant control room is very poorly designed. This is a relatively new plant with a lot of telex. It needs close inspection attention to assure that appropriate considerations are made. There has been a number of problems in startup phase, which were corrected by teleoperators. Problems with operator controls.

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 14

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.6
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 6.6

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 4.7
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 0
- 2 = SAFETY SLIGHTLY IMPROVED..... 1
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 0
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

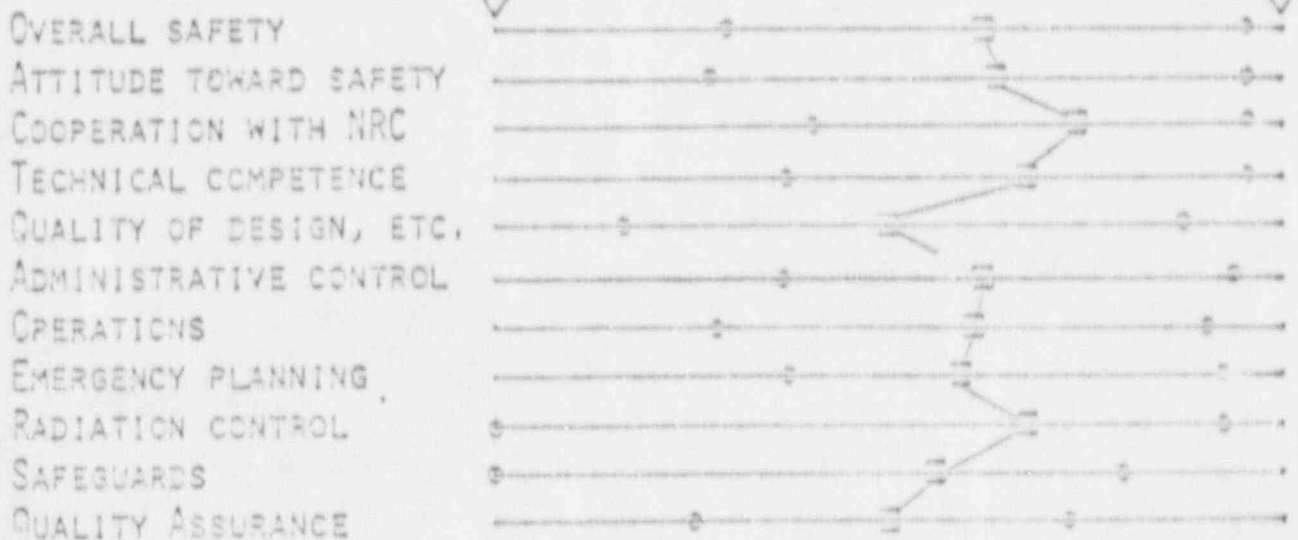
DESCRIPTIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

[Faint, mostly illegible text describing changes in safety and other safety considerations.]

RATING CATEGORIES

ACCEPTABLE

EXCEPTIONAL



NUMBER OF PEOPLE RATING SITE = 12

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.6
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 10.2

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 3.8
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 9
- 2 = SAFETY SLIGHTLY IMPROVED..... 1
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 0
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

SA plan has been upgraded. Various site controls have been upgraded by Barrett changes to plant operating procedures. Many clean plant. Management performance and safety is increasing.

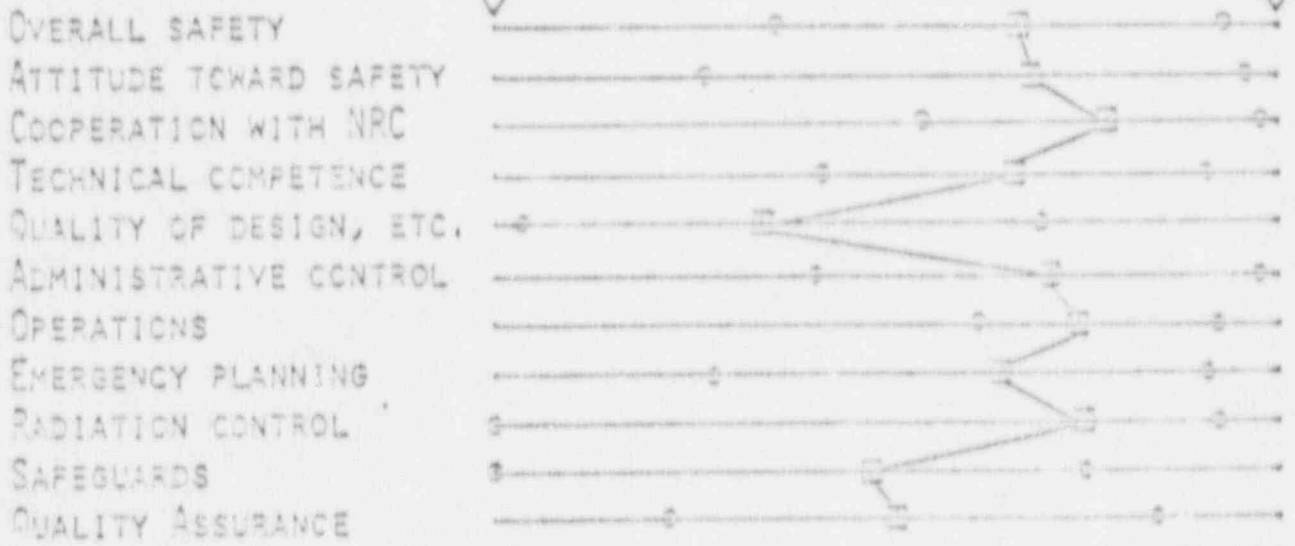
SITE Yankee Rowe

DOCKET NUMBER 50-029

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 10

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 6.6
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 10.1

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 2.4
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 5
- 2 = SAFETY SLIGHTLY IMPROVED..... 1
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 0
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

DESCRIPTIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Plant is very small and very outdated. It appears virtually no work has been done since it's been closed. Closed 24 hours in 1977.

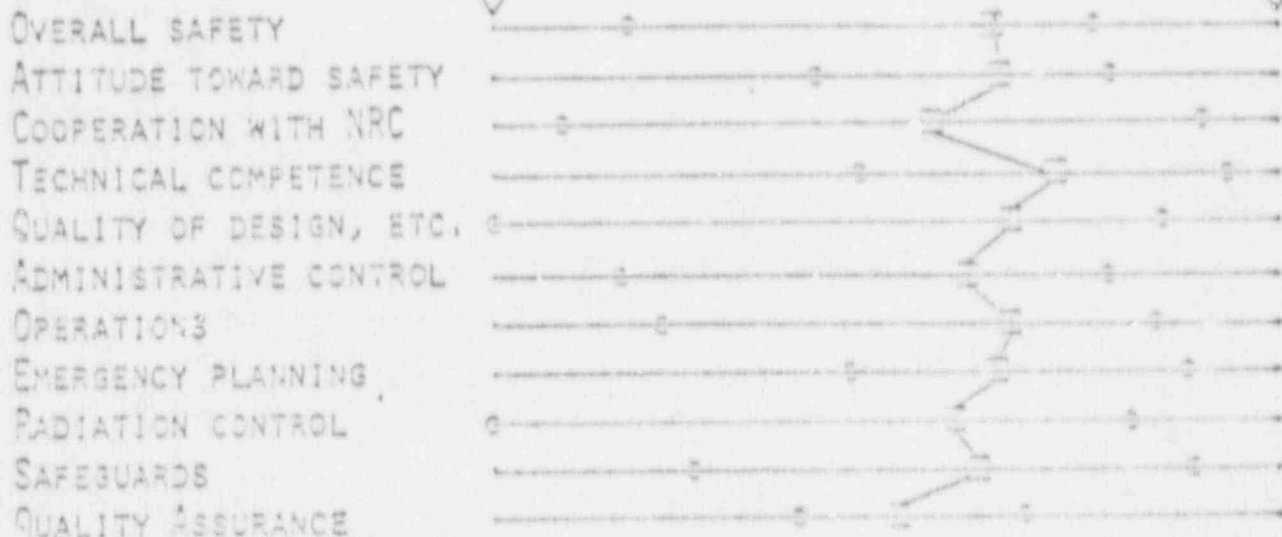
SITE Browns Ferry

DOCKET NUMBER 50-159

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 10

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.9
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 9.8

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 4.7
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES)
(7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 3
- 2 = SAFETY SLIGHTLY IMPROVED..... 4
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 1
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

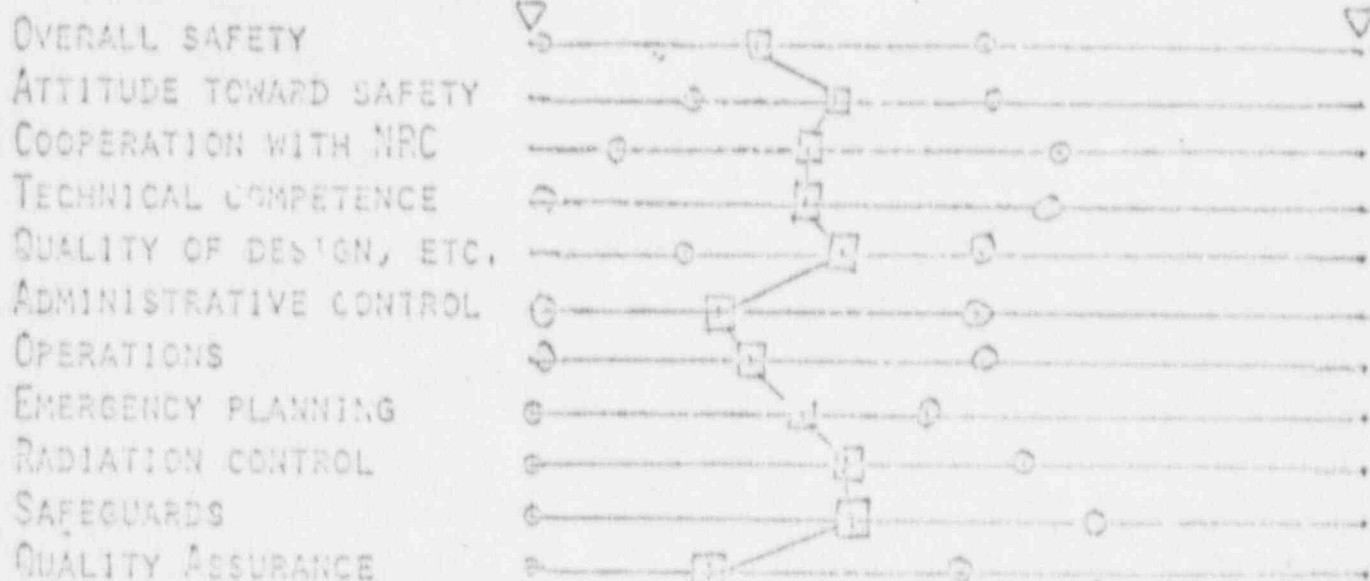
NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Inspection of Browns Ferry was conducted on 1/11/78. The inspection was conducted by the NRC staff and the Browns Ferry staff. The inspection was conducted in accordance with the NRC inspection procedures. The inspection was conducted in accordance with the NRC inspection procedures. The inspection was conducted in accordance with the NRC inspection procedures.

RATING CATEGORIES

ACCEPTABLE

EXCEPTIONAL



NUMBER OF PEOPLE RATING SITE = 10

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.7
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 9.0

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 3.9
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 2
- 2 = SAFETY SLIGHTLY IMPROVED..... 4
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 1
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Site has reorganized and has new people in key positions. Some improvements in administrative controls. Management wants to build a more stable of control at site. None of the top site management have had O&P training in I.P.s. High operational turnover rate. Plant management seems to believe that they are "in-charge" of

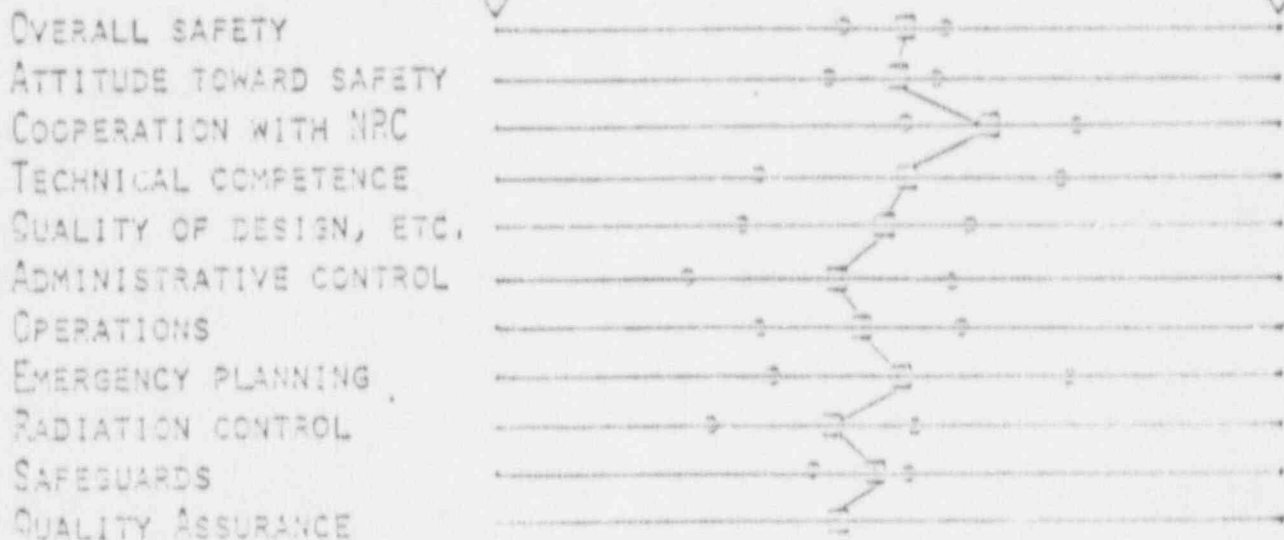
SITE Crystal River

DOCKET NUMBER 80-302

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 3

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 6.0
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 6.2

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 6.0
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 1
- 2 = SAFETY SLIGHTLY IMPROVED..... 2
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 3
- 4 = SAFETY SLIGHTLY WORSE..... 3
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

DESCRIPTIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Safety slightly improved because of more safety devices. The safety and administrative controls improved.

SITE MATCH
DOCKET NUMBER 50-321

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 9

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.6
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 4.3

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 4.5
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES)
(7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY..... 3
2 = SAFETY SLIGHTLY IMPROVED..... 4
3 = SAFETY SUBSTANTIALLY IMPROVED..... 5
4 = SAFETY SLIGHTLY WORSE..... 0
5 = SAFETY SUBSTANTIALLY WORSE..... 0

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND ST. OF SAFETY CONSIDERATIONS

Statement of administrative and QA controls is being prepared.

SITE Ocohee

DOCKET NUMBER EO-269

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES

OVERALL SAFETY

ATTITUDE TOWARD SAFETY

COOPERATION WITH NPC

TECHNICAL COMPETENCE

QUALITY OF DESIGN, ETC.

ADMINISTRATIVE CONTROL

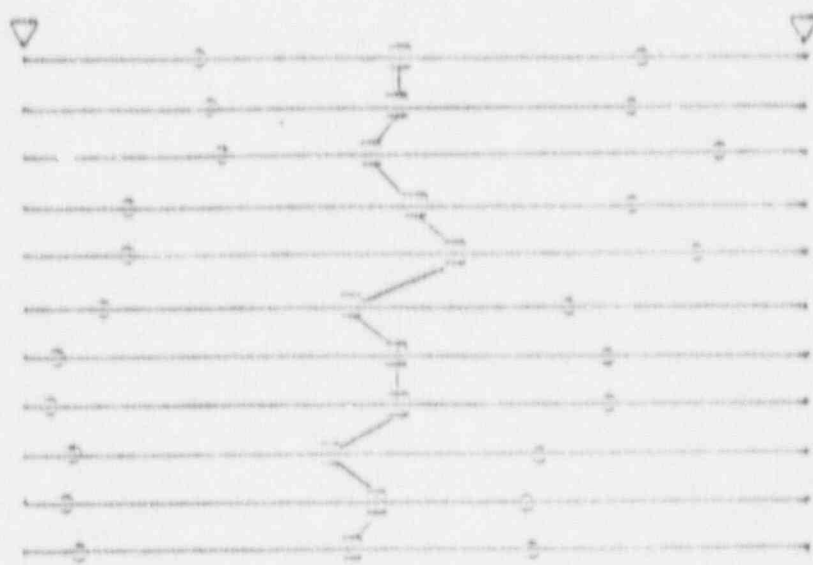
OPERATIONS

EMERGENCY PLANNING

RADIATION CONTROL

SAFEGUARDS

QUALITY ASSURANCE



NUMBER OF PEOPLE RATING SITE = 5

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.3
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 17.0

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 3.0
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 3
- 2 = SAFETY SLIGHTLY IMPROVED..... 0
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 0
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

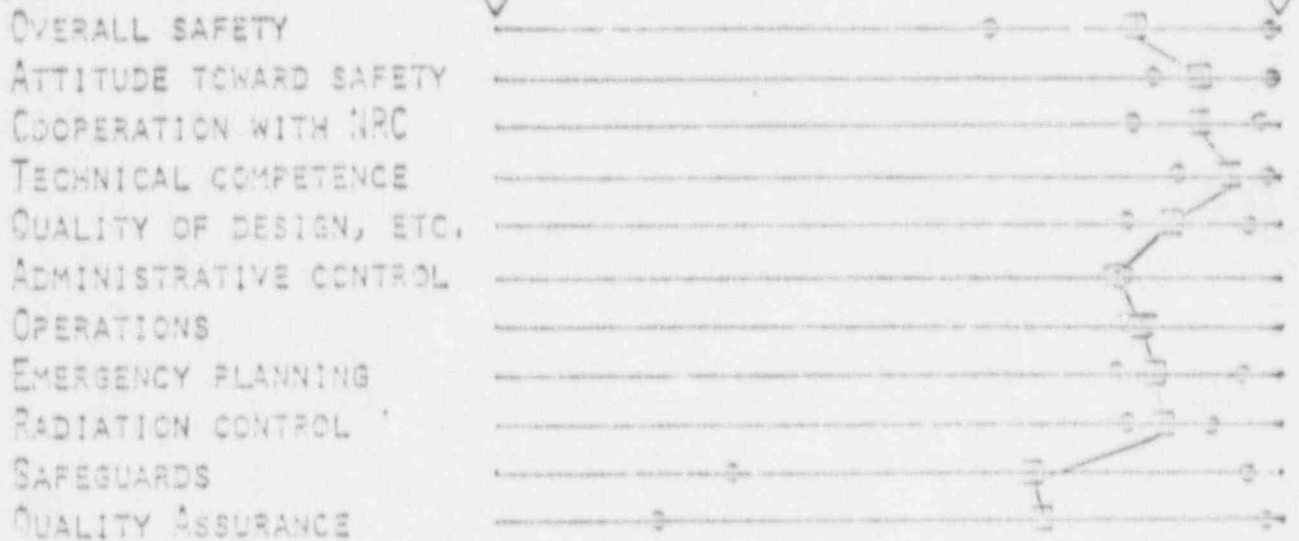
EXPLANATORY STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

A change in the operating superintendant is expected to result in a significant...

RATING CATEGORIES

ACCEPTABLE

EXCEPTIONAL



NUMBER OF PEOPLE RATING SITE = 3

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 6.3
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 2.3

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 6.0
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 1
- 2 = SAFETY SLIGHTLY IMPROVED..... 1
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 2
- 4 = SAFETY SLIGHTLY WORSE..... 0
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OF OR SAFETY CONSIDERATIONS

There was no change in the safety of the site since January 1977. The safety of the site was maintained at a level of 6.0 on the 7 point scale. The safety of the site was maintained at a level of 6.0 on the 7 point scale. The safety of the site was maintained at a level of 6.0 on the 7 point scale.

SITE Sunny

DOCKET NUMBER 50-280

RATING CATEGORIES

ACCEPTABLE

EXCEPTIONAL

OVERALL SAFETY

ATTITUDE TOWARD SAFETY

COOPERATION WITH NRC

TECHNICAL COMPETENCE

QUALITY OF DESIGN, ETC.

ADMINISTRATIVE CONTROL

OPERATIONS

EMERGENCY PLANNING

RADIATION CONTROL

SAFEGUARDS

QUALITY ASSURANCE



NUMBER OF PEOPLE RATING SITE = 6

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.2
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 14.3

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 4.0
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES)
(7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 3
- 2 = SAFETY SLIGHTLY IMPROVED..... 0
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 1
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

DESCRIPTIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

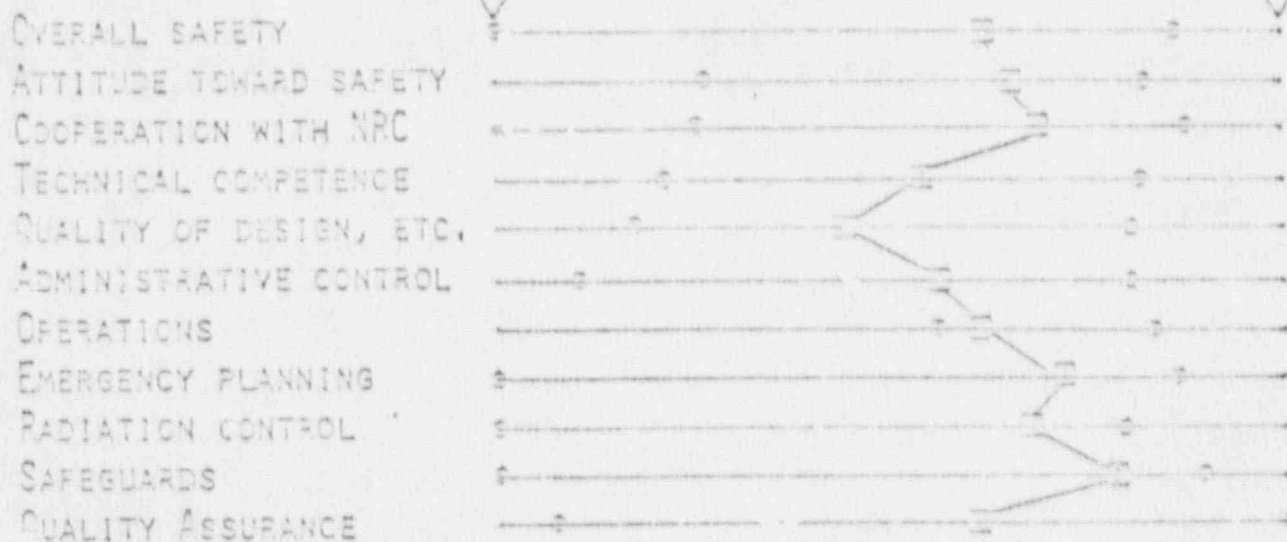
Safety slightly worse due to degradation of steam generator.

SITE Turkey Point
 DOCKET NUMBER 80-280

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 5

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.8
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 10.0
3.5

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 10.0
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 3
- 2 = SAFETY SLIGHTLY IMPROVED..... 0
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 1
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Safety may be slightly worse due to steam generator degradation.

SITE Arnold

DOCKET NUMBER 50-331

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES

OVERALL SAFETY

ATTITUDE TOWARD SAFETY

COOPERATION WITH NRC

TECHNICAL COMPETENCE

QUALITY OF DESIGN, ETC.

ADMINISTRATIVE CONTROL

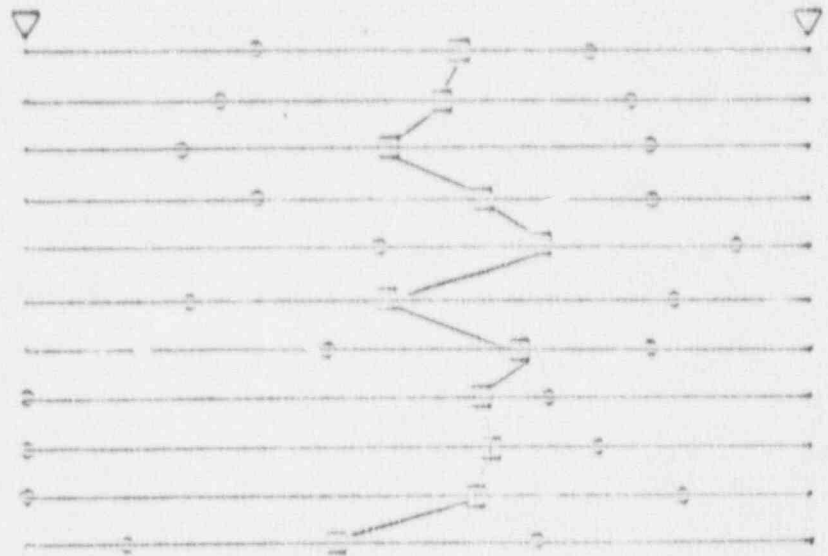
OPERATIONS

EMERGENCY PLANNING

RADIATION CONTROL

SAFEGUARDS

QUALITY ASSURANCE



NUMBER OF PEOPLE RATING SITE = 9

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.3
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 10.3
4.6

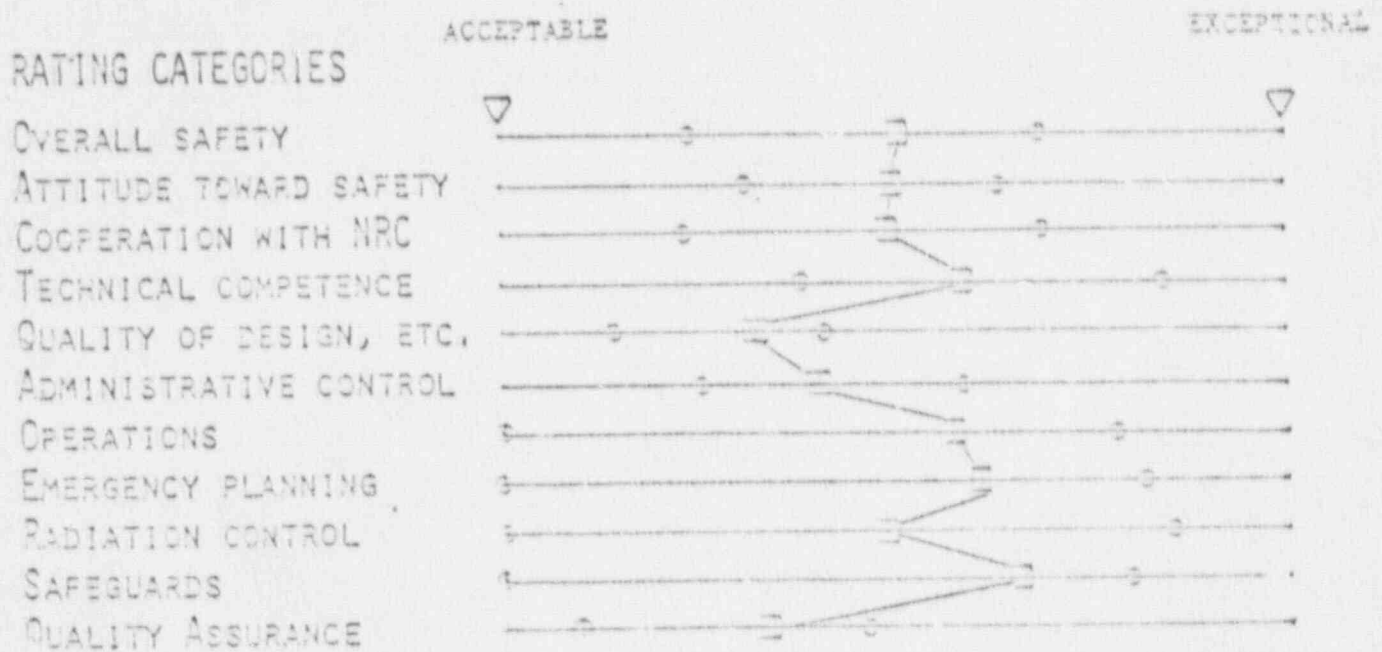
STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) =
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 0
- 2 = SAFETY SLIGHTLY IMPROVED..... 6
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 0
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

DESCRIPTIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY
CONSIDERATIONS

Safety slightly improved due to more staff and better administrative controls, less staff and administrative control, and better administrative control. Work in the area of administrative control is better. Safety improvements in equipment controls, control of staff, and administrative control.



NUMBER OF PEOPLE RATING SITE = 5

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.6
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 6.3

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 2.4
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 1
- 2 = SAFETY SLIGHTLY IMPROVED..... 1
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 0
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Condition and operation of this early BWR are relatively well controlled. Plans safety program are in progress. Adequacy of instrumentation and control and training and ability of staff.

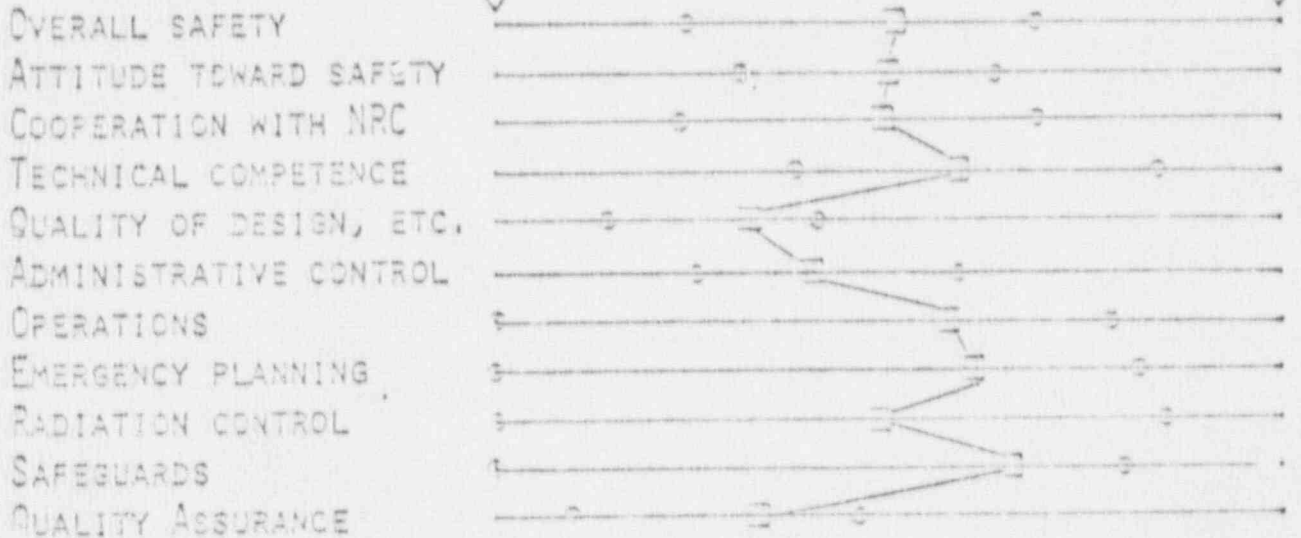
SITE Big Rock Point

DOCKET NUMBER 50-158

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 5

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.6
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 6.3

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 2.4
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 1
- 2 = SAFETY SLIGHTLY IMPROVED..... 1
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 3
- 4 = SAFETY SLIGHTLY WORSE..... 0
- 5 = SAFETY SUBSTANTIALLY WORSE..... 2

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

There was no change in site safety since early 1977. The only change in safety was the improvement in the safety of the site. The safety of the site is now considered to be excellent. The safety of the site is now considered to be excellent. The safety of the site is now considered to be excellent.

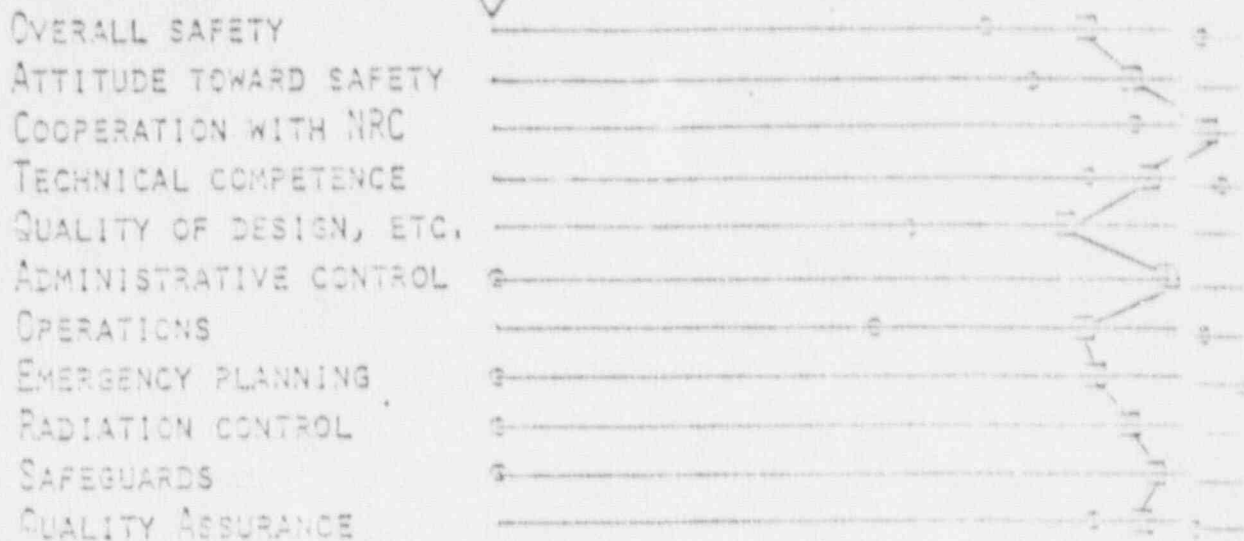
SITE D. C. Rock

DOCKET NUMBER

RATING CATEGORIES

ACCEPTABLE

EXC.



NUMBER OF PEOPLE RATING SITE = 7

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.7
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 7.0

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 5.1
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY,
- 2 = SAFETY SLIGHTLY IMPROVED,
- 3 = SAFETY SUBSTANTIALLY IMPROVED,
- 4 = SAFETY SLIGHTLY WORSE,
- 5 = SAFETY SUBSTANTIALLY WORSE,

STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY ISSUES

Technical Staff Report, D. C. Rock, 1977. This report was prepared by the Technical Staff of the Rockwell Development Corporation, Rockwell International, Inc., under contract to the U.S. Atomic Energy Commission. The report contains information that is classified "Secret" under Executive Order 11652, as amended, and is being disseminated on a "Secret" basis. This report is not to be distributed outside the Rockwell Development Corporation, Rockwell International, Inc., without the express written permission of the U.S. Atomic Energy Commission. The report is being disseminated on a "Secret" basis to the U.S. Atomic Energy Commission, the U.S. Navy, and the U.S. Air Force. The report is being disseminated on a "Secret" basis to the U.S. Atomic Energy Commission, the U.S. Navy, and the U.S. Air Force.

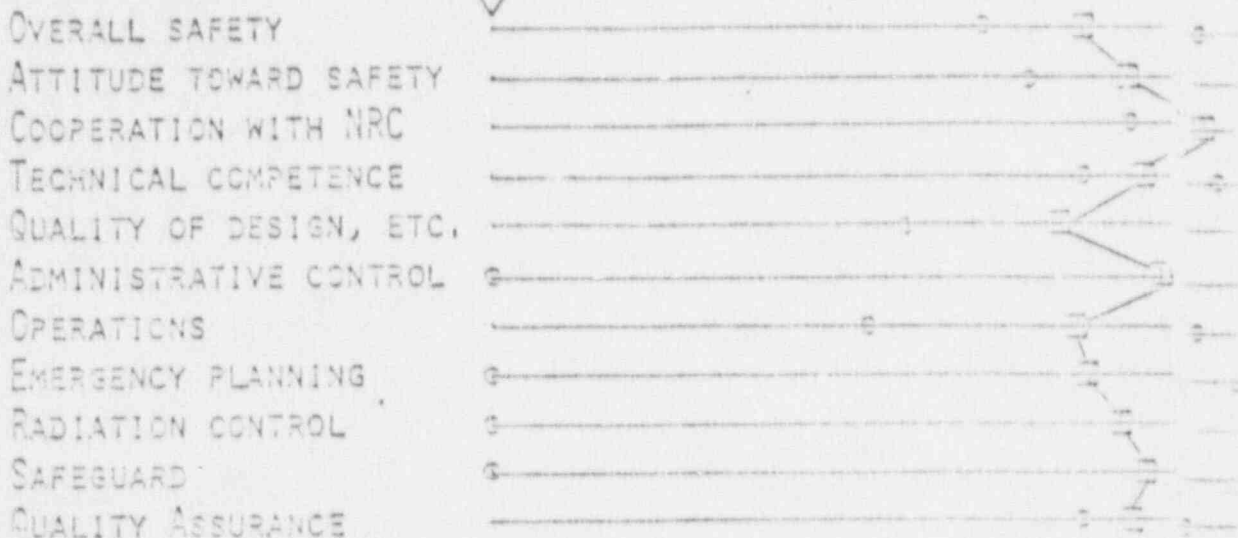
SITE D. C. Wood

DOCKET NUMBER _____

ACCEPTABLE

EXC.

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 7

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.7
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 7.0

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 5.0
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

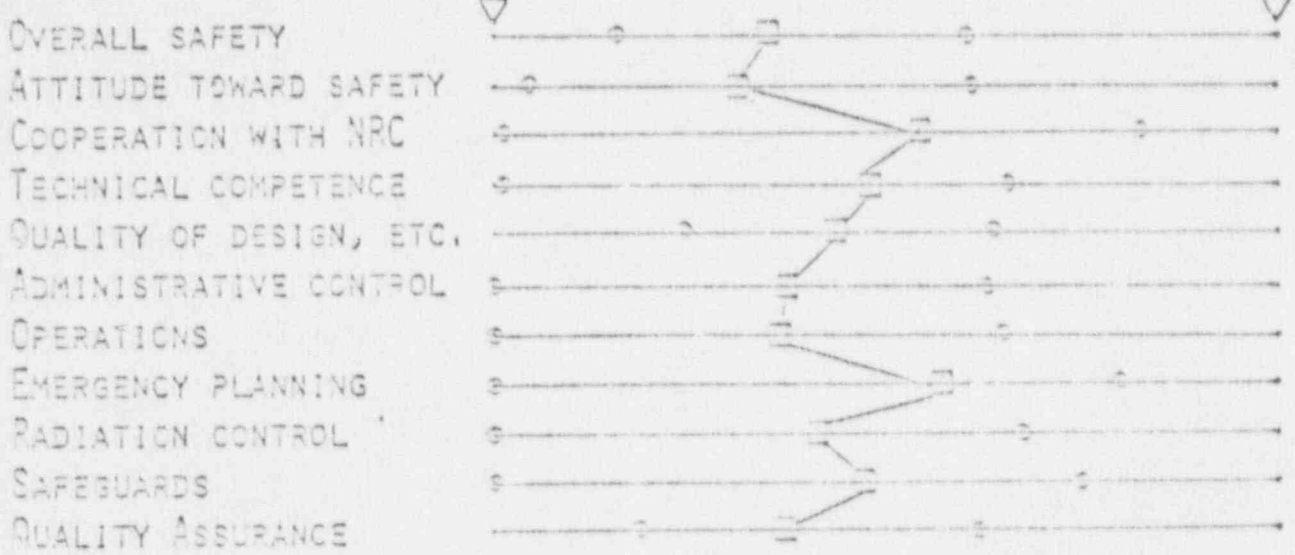
- 1 = NO CHANGE IN SAFETY..... 3
- 2 = SAFETY SLIGHTLY IMPROVED..... 0
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 2
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

There are no significant changes in safety since January 1977. The only change noted was the addition of a new safety procedure for the handling of radioactive materials. This procedure was developed and implemented in the summer of 1978. It was found that the existing procedure was inadequate for the new materials being handled. The new procedure provides for the use of additional shielding and the use of remote handling techniques. This procedure is being followed and no further changes are planned at this time. The only other change noted was the addition of a new safety procedure for the handling of radioactive materials. This procedure was developed and implemented in the summer of 1978. It was found that the existing procedure was inadequate for the new materials being handled. The new procedure provides for the use of additional shielding and the use of remote handling techniques. This procedure is being followed and no further changes are planned at this time.

RATING CATEGORIES

ACCEPTABLE EXCEPTIONAL



NUMBER OF PEOPLE RATING SITE = 10

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 3.6
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 6.1

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 3.9
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 5
- 2 = SAFETY SLIGHTLY IMPROVED..... 3
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 0
- 5 = SAFETY SUBSTANTIALLY WORSE..... 1

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

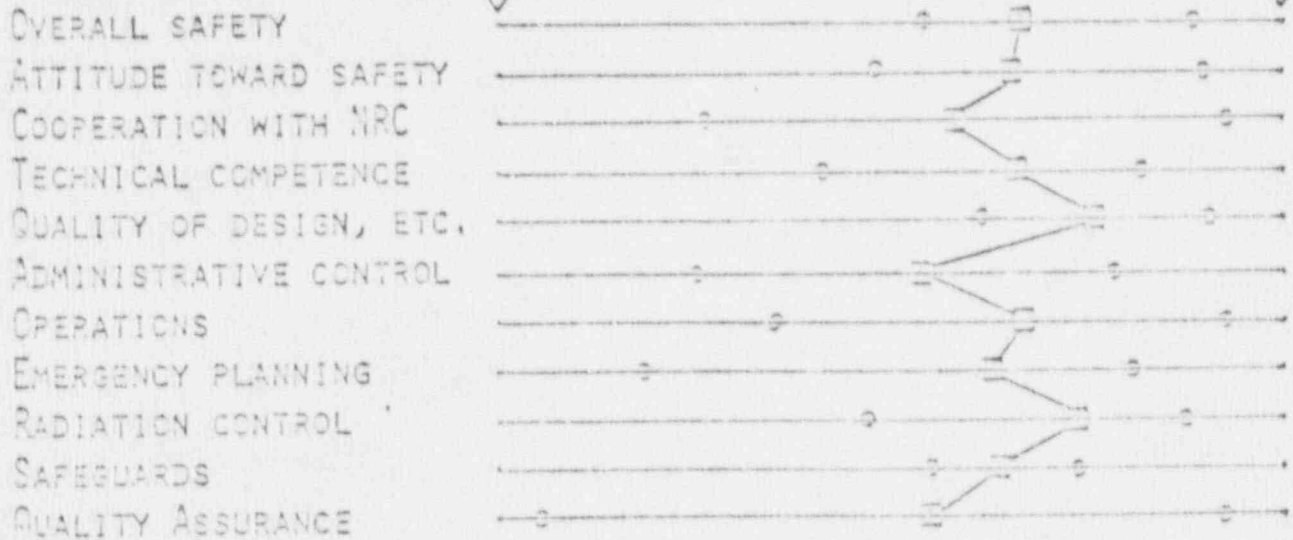
SITE Kewaunee

DOCKET NUMBER 90-305

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 6

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.8
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 6.6

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 4.3
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 5
- 2 = SAFETY SLIGHTLY IMPROVED..... 0
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 2
- 4 = SAFETY SLIGHTLY WORSE..... 0
- 5 = SAFETY SUBSTANTIALLY WORSE..... 1

QUALITATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Previous inspector was assigned at this site. Plant management very active and diligent in all matters toward safety. Overall, the site has good control of safety.

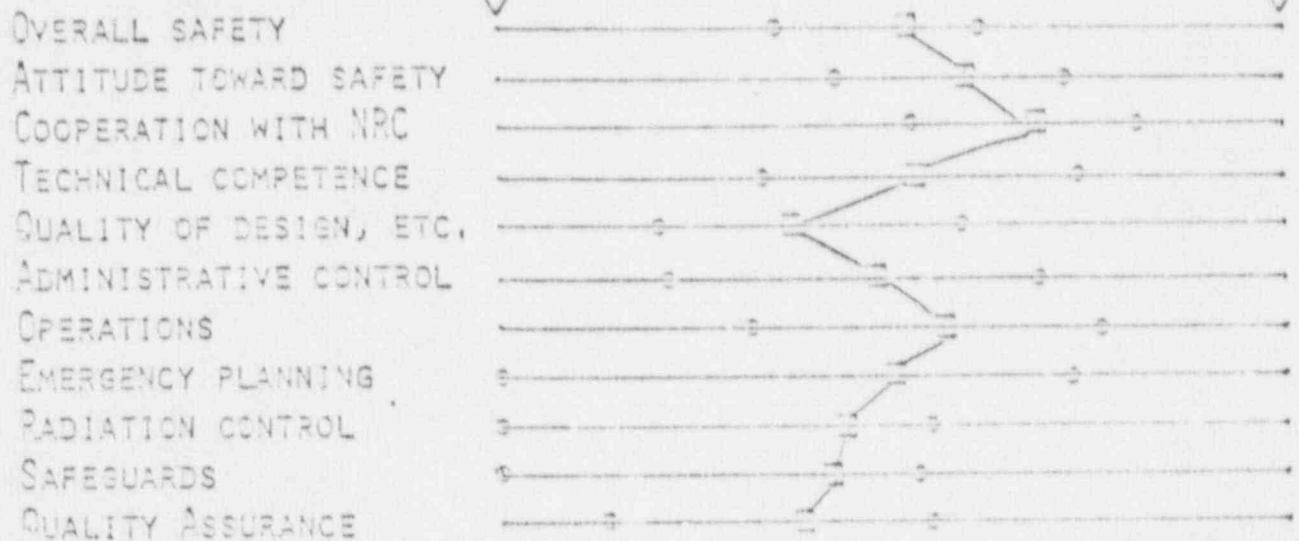
SITE LaCrosse

DOCKET NUMBER 50-409

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 7

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 3.0
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 2.8

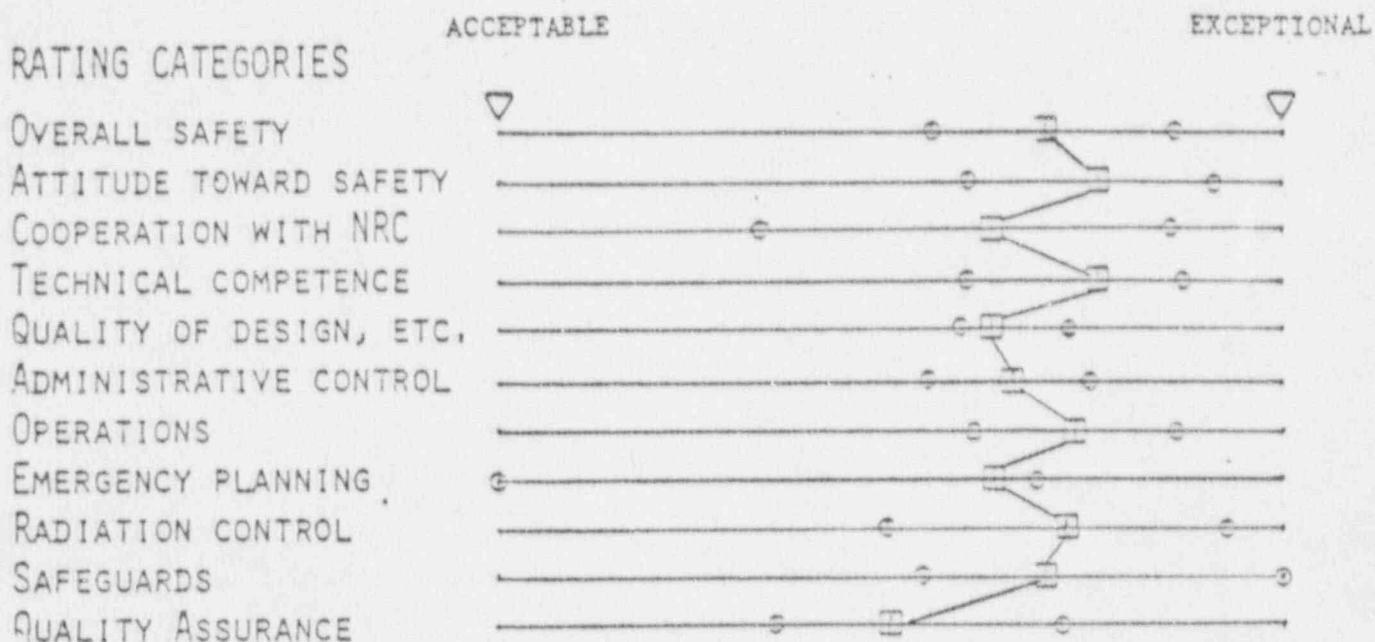
STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 2.6
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 4
- 2 = SAFETY SLIGHTLY IMPROVED..... 2
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 1
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Safety slightly worse because of fuel degradation. Safety slightly better because of work at 14 meters. This plant is an old design with a lot of technical staff and a good corporate record. This plant really has a good record for the last 10 years.



NUMBER OF PEOPLE RATING SITE = 8

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.1
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 6.5

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 3.9
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>4</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>1</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>0</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>0</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>0</u>

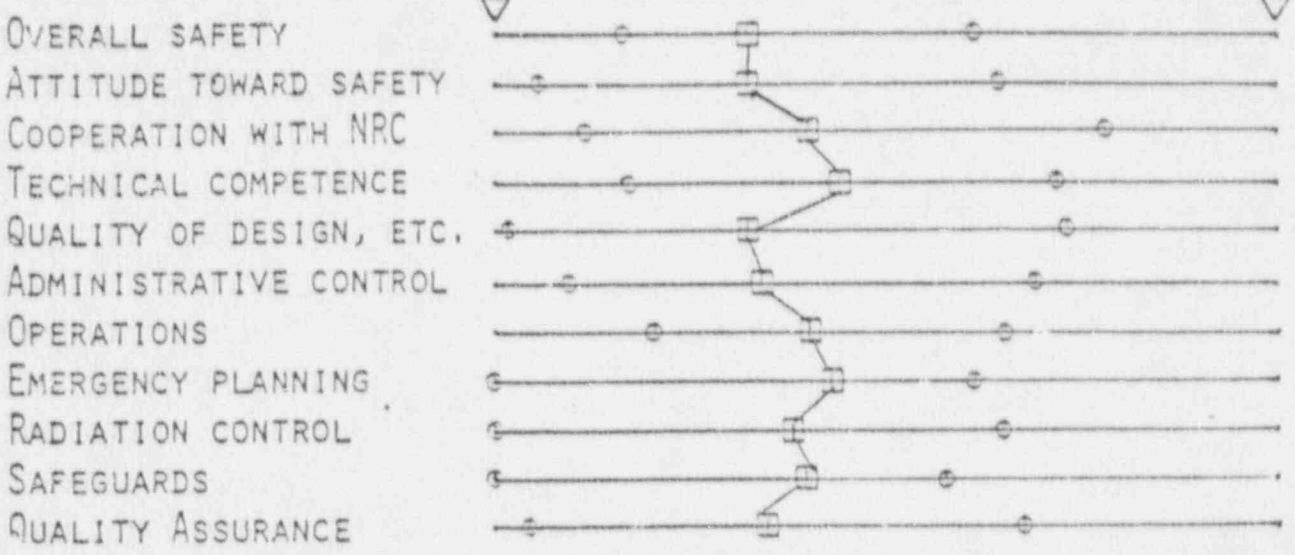
NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

No narrative comments.

RATING CATEGORIES

ACCEPTABLE

EXCEPTIONAL



NUMBER OF PEOPLE RATING SITE = 8

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.8
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 9.4

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 3.8
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES;
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 2
- 2 = SAFETY SLIGHTLY IMPROVED..... 3
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 1
- 4 = SAFETY SLIGHTLY WORSE..... 0
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Safety is improved as a result of continuing QA program implementation. Management has been more attentive to the timely correction of problems. Resident inspector was assigned to site.

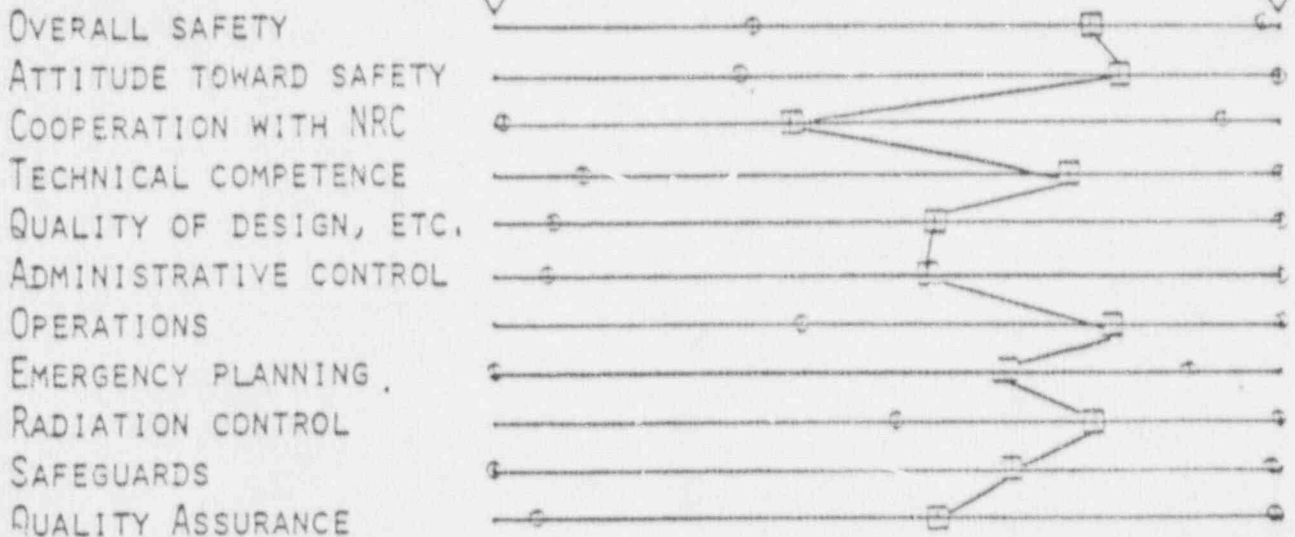
SITE Point Beach

DOCKET NUMBER 50-266

RATING CATEGORIES

ACCEPTABLE

EXCEPTIONAL



NUMBER OF PEOPLE RATING SITE = 10

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.6
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 11.1

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 2.8
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 6
- 2 = SAFETY SLIGHTLY IMPROVED..... 0
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 0
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

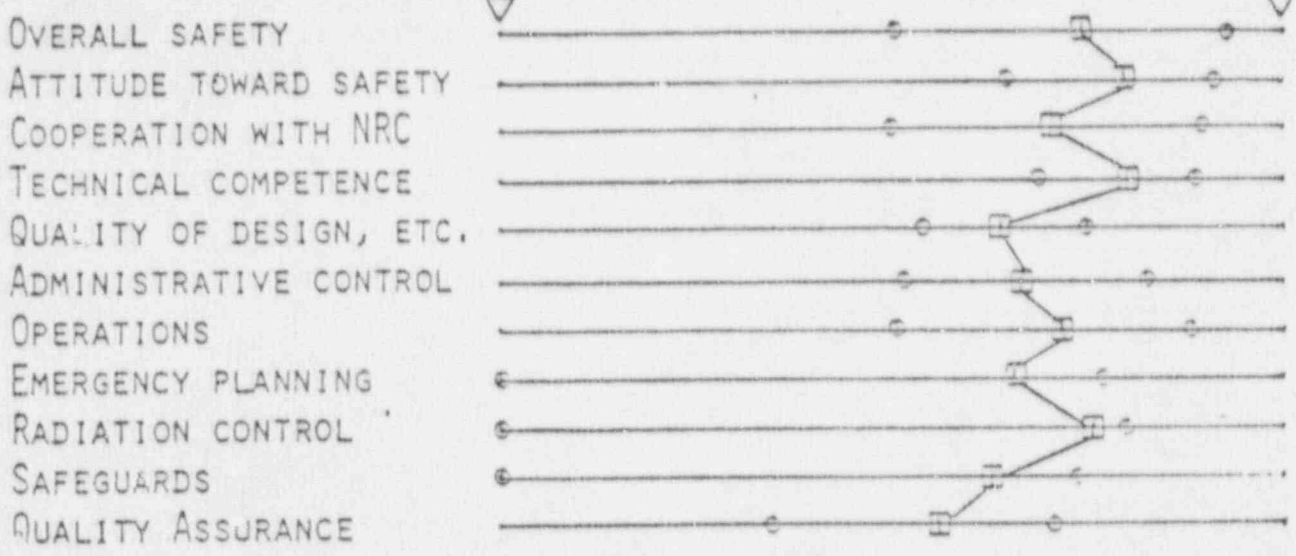
NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Plant is an older design attitude of plant management is extremely good. Staff is disciplined, well motivated, and proud of work. Staff offers constructive criticism of NRC. Plant management is strong in all areas, and has a total team effort from staff. Attitude on safety matters is excellent.

RATING CATEGORIES

ACCEPTABLE

EXCEPTIONAL



NUMBER OF PEOPLE RATING SITE = 8

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.8
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 8.8

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 4.3
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES;
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>5</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>0</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>0</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>0</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>0</u>

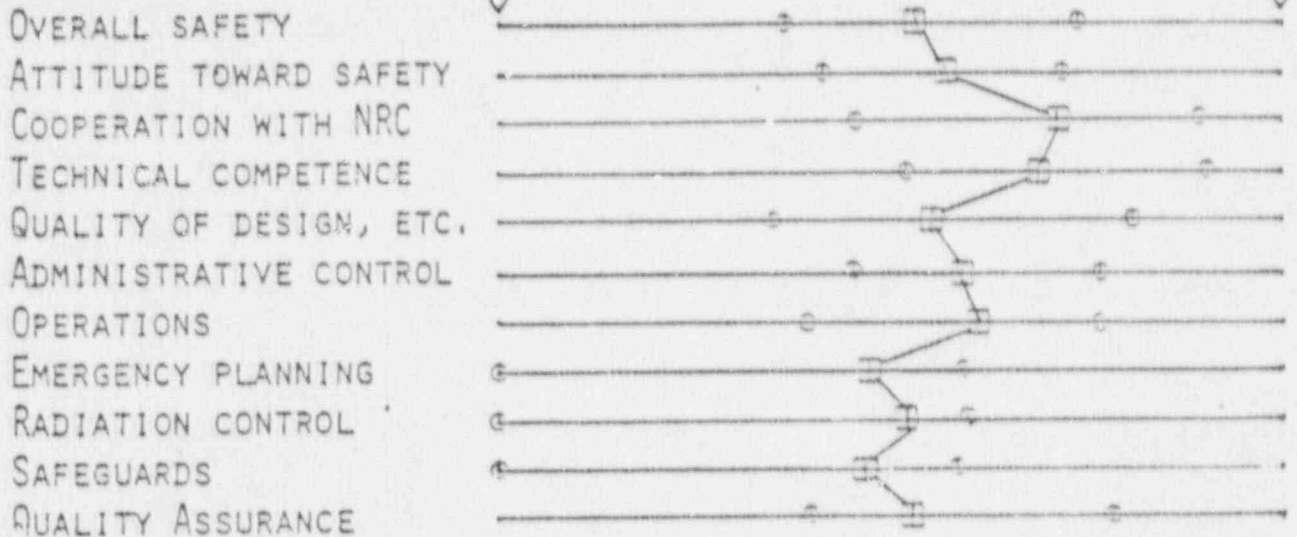
NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

The technical staff is closely integrated with operations and maintenance; this helps prevent safety problems and provides good information.

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 10

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.3
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 15.8

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 3.9
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>4</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>1</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>0</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>1</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>0</u>

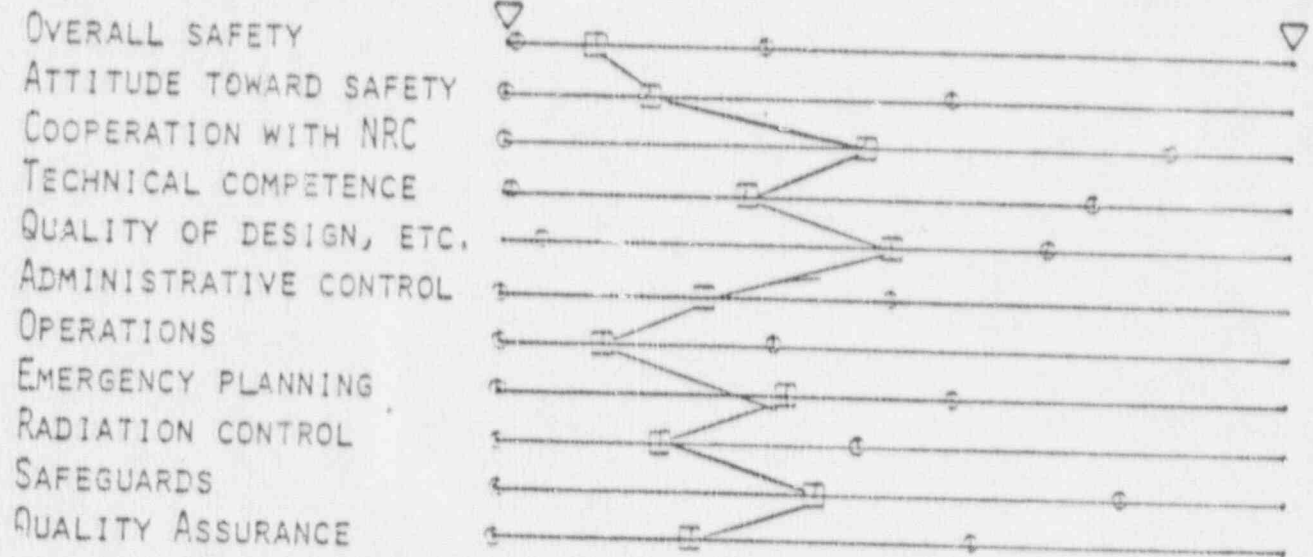
NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Licensee has been "overinspected" by NRC and the state for several years. Plant not permitted by state to operate at design load; this affects operator attitudes. Safety slightly improved because of improvements in the training program, the QA program, and the radiological program.

RATING CATEGORIES

ACCEPTABLE

EXCEPTIONAL



NUMBER OF PEOPLE RATING SITE = 13

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 4.6
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 9.7

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 4.4
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 4
- 2 = SAFETY SLIGHTLY IMPROVED..... 1
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 1
- 5 = SAFETY SUBSTANTIALLY WORSE..... 3

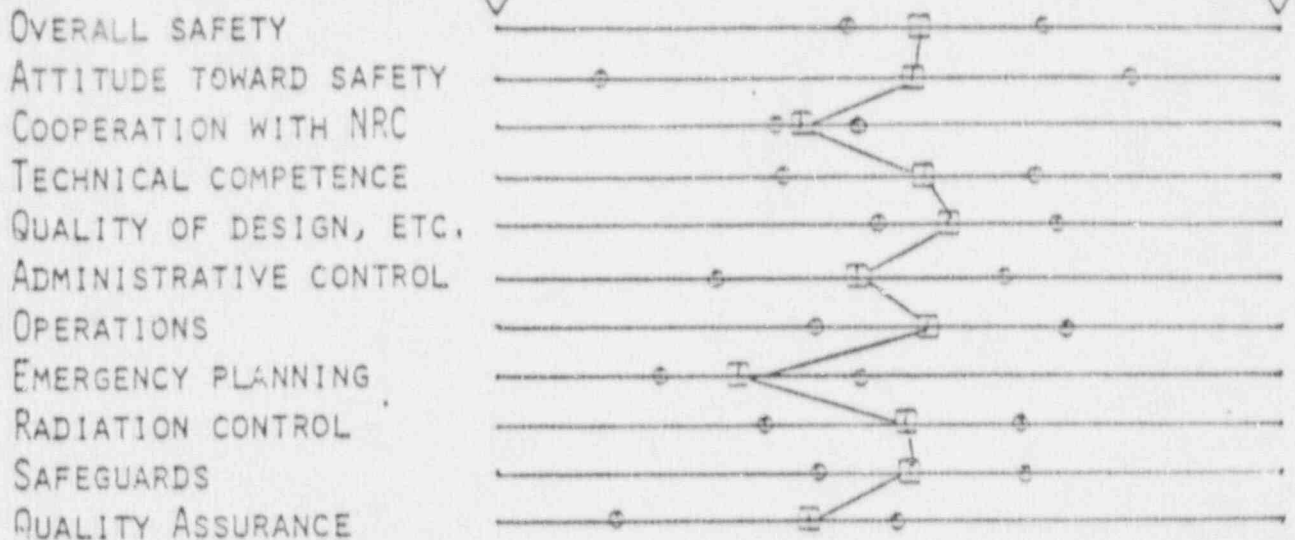
NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Safety is substantially worse because of poor attitude and marginal management. Inadequate management controls. Management lacks ability to discipline employees for operator errors and carelessness. Personnel selection and discipline may be adversely affected by union relations. Poor management attitude and followups. Size of Commonwealth Edison creates special management problems. Stability of staff a problem. Safety is substantially worse because of failures to conform to Tech Specs and administrative, operating, emergency, and test procedures. Attitude regarding safety is poor. Some improvements in procedures and training.

RATING CATEGORIES

ACCEPTABLE

EXCEPTIONAL



NUMBER OF PEOPLE RATING SITE = 4

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.3
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 1.7

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 3.5
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

- 1 = NO CHANGE IN SAFETY..... 3
- 2 = SAFETY SLIGHTLY IMPROVED..... 1
- 3 = SAFETY SUBSTANTIALLY IMPROVED..... 0
- 4 = SAFETY SLIGHTLY WORSE..... 0
- 5 = SAFETY SUBSTANTIALLY WORSE..... 0

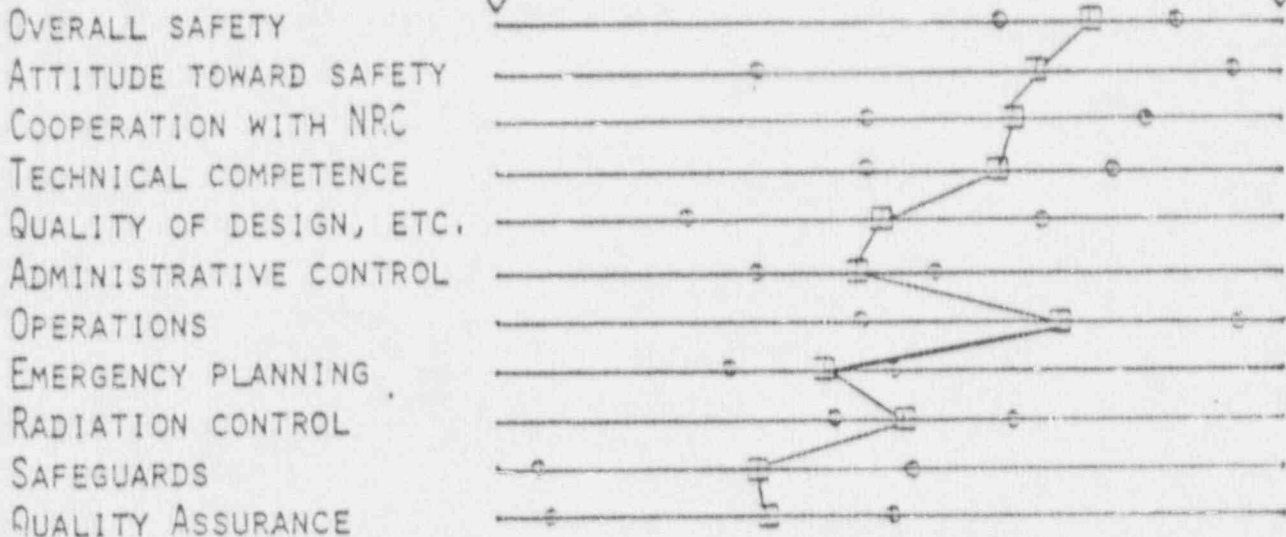
NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Management control of plant may be diluted when Unit 2 becomes operational. Safety slightly improved by upgrading of cable penetration barriers, fire protection, and procedural controls. Tech Specs should be upgraded to standard levels.

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 4

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.0
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 6.5

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 4.0
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>3</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>0</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>0</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>1</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>0</u>

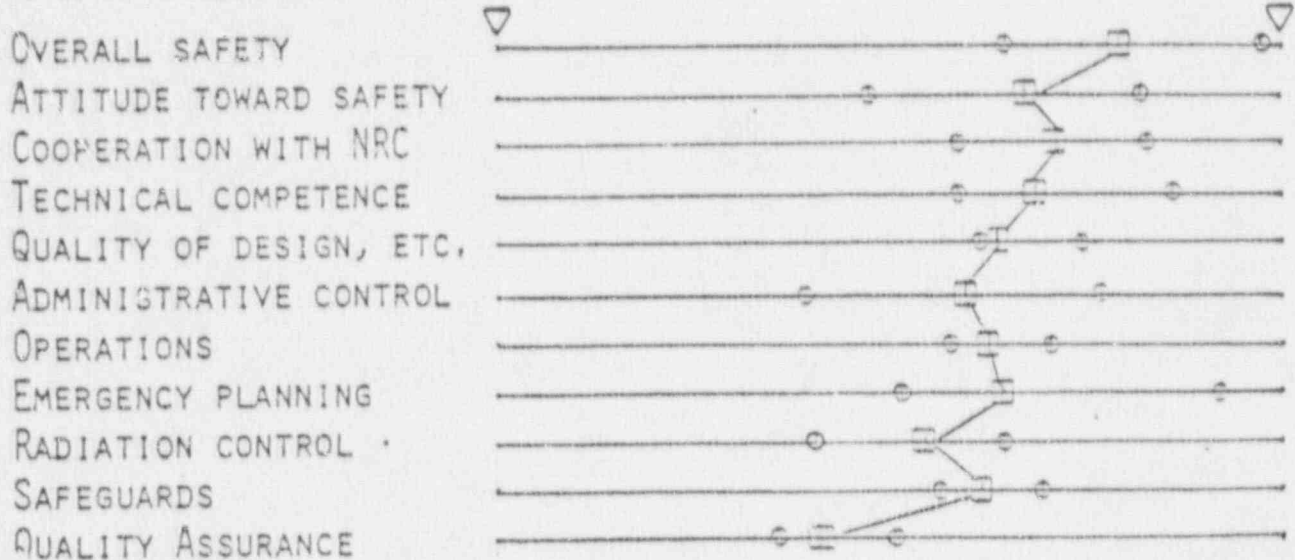
NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

No narrative comments.

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 3

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.3
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 1.0

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 3.7
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>2</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>1</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>0</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>0</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>0</u>

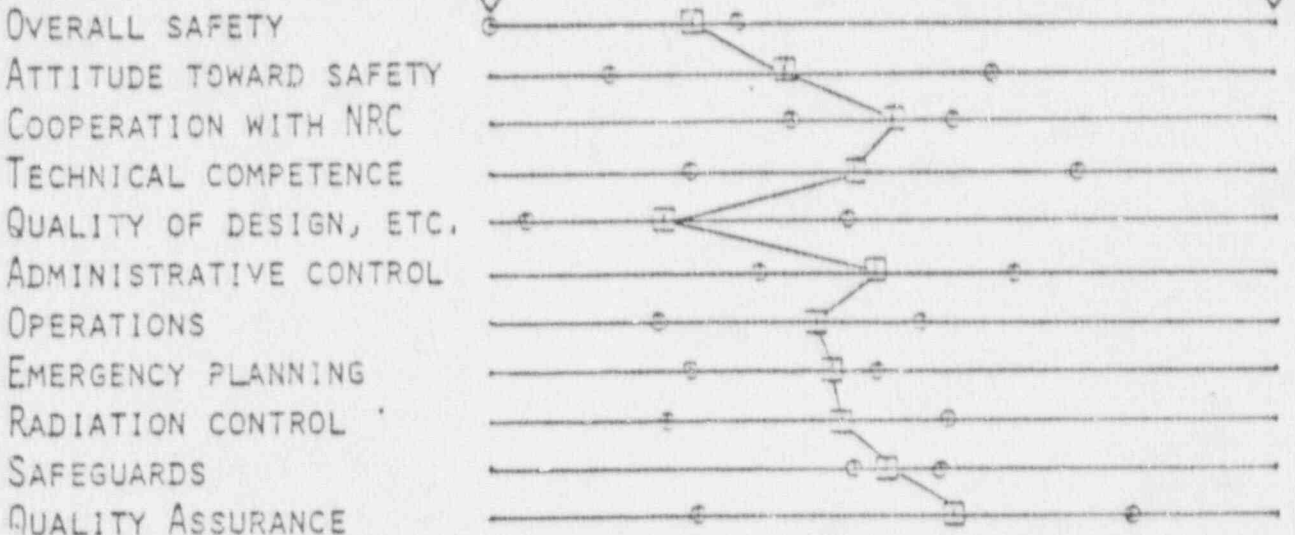
NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Safety at this plant is improving as management matures. Management recognizes its safety responsibilities. Employee morale could be affected by top utility attitudes about nuclear power.

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 5

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.2
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 4.3

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 3.0
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>3</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>1</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>1</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>0</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>0</u>

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Safety substantially improved due to upgrading of cable separation, fire prevention, training program, and operating experience. Have been instrumentation improvements. This HTGR could be categorized as a demonstration plant. Plant safety characteristics are unique. Existing Tech. Specs. need revision.

RATING CATEGORIES

ACCEPTABLE

EXCEPTIONAL

OVERALL SAFETY

ATTITUDE TOWARD SAFETY

COOPERATION WITH NRC

TECHNICAL COMPETENCE

QUALITY OF DESIGN, ETC.

ADMINISTRATIVE CONTROL

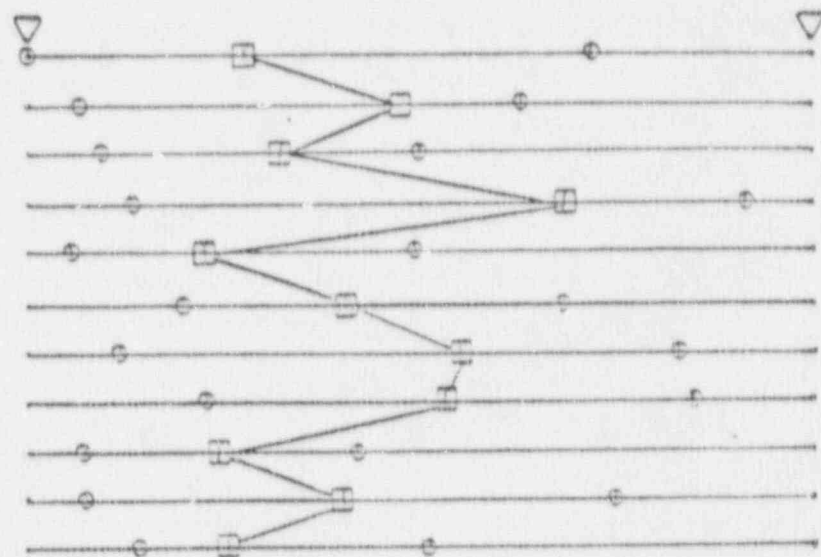
OPERATIONS

EMERGENCY PLANNING

RADIATION CONTROL

SAFEGUARDS

QUALITY ASSURANCE



NUMBER OF PEOPLE RATING SITE = 7

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.9
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 9.3

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 2.6
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>3</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>1</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>3</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>0</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>0</u>

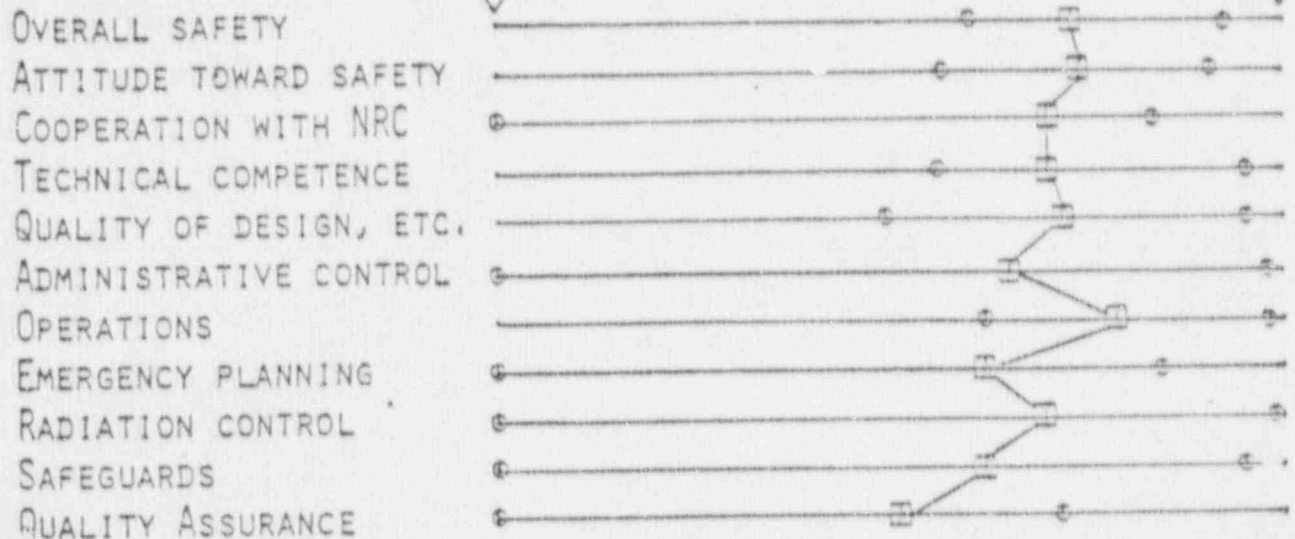
NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Safety is substantially improved due to seismic modifications. Other safety-relevant matters are being pursued by NRR. The plant would be hard pressed to meet current safety criteria.

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 7

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.1
 (1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 2.8

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 4.1
 (1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES;
 7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>5</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>1</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>0</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>0</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>0</u>

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Safety is slightly improved due to increasing operating experience and quality of plant management.

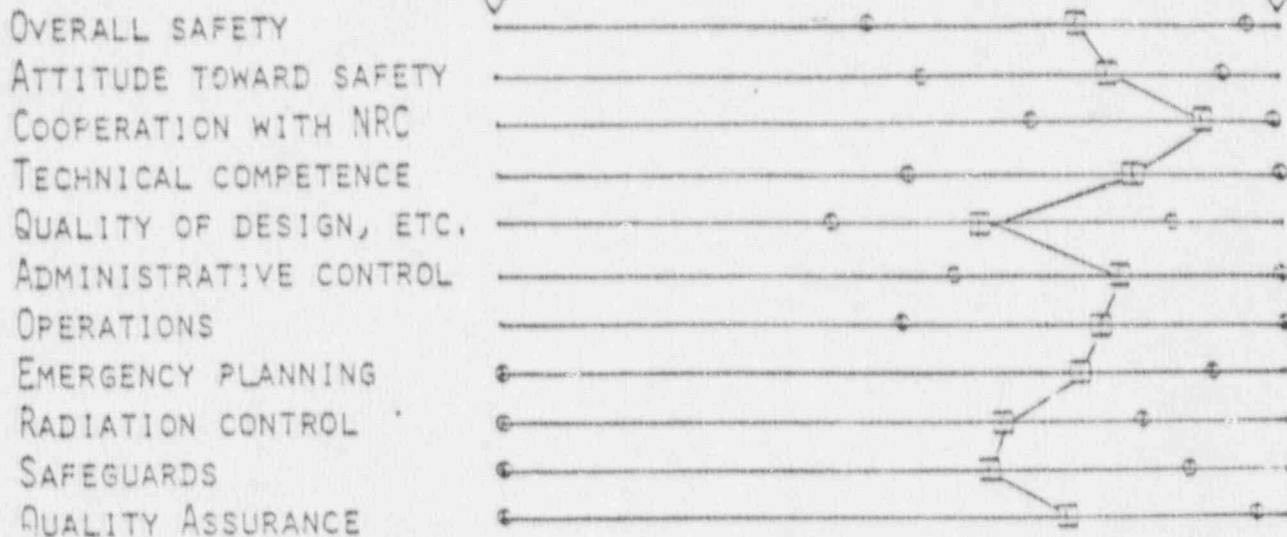
SITE San Onofre

DOCKET NUMBER 50-206

ACCEPTABLE

EXCEPTIONAL

RATING CATEGORIES



NUMBER OF PEOPLE RATING SITE = 8

FAMILIARITY OF RATERS WITH SITE (ON 7 POINT SCALE) = 5.4
(1 = HARDLY AT ALL, 7 = EXTREMELY WELL)

AVERAGE NUMBER OF MONTHS SINCE RATERS' LAST INSPECTION = 4.7

STRINGENCY OF REQUIREMENTS FOR SITE (ON 7 POINT SCALE) = 3.6
(1 = MUCH LESS DEMANDING THAN THOSE OF OTHER SITES,
7 = MUCH MORE DEMANDING THAN THOSE OF OTHER SITES)

INDICATIONS OF CHANGE IN SITE SAFETY SINCE JANUARY 1977

1 = NO CHANGE IN SAFETY.....	<u>2</u>
2 = SAFETY SLIGHTLY IMPROVED.....	<u>2</u>
3 = SAFETY SUBSTANTIALLY IMPROVED.....	<u>3</u>
4 = SAFETY SLIGHTLY WORSE.....	<u>0</u>
5 = SAFETY SUBSTANTIALLY WORSE.....	<u>0</u>

NARRATIVE STATEMENTS OF CHANGES IN SAFETY AND OTHER SAFETY CONSIDERATIONS

Safety is slightly improved because of QA program improvements. Safety is substantially improved because of upgrading of the emergency power system. Utility management has been successful in instilling good safety attitudes and habits uniformly throughout the organization. Extensive ECCS and seismic modes have been completed.

