

SSER

Task: Allegation A-01

Reference Number: 4-83-A-48/1

Characterization: The allegation is 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 have performed inspections on safety-related systems. The NRC staff believes this allegation has implied safety significance.

Potential Violations: QA inspectors may have been certified with insufficient professional qualifications due to lack of verification of previous employment.

Actions Required: Prior to fuel loading, LP&L shall:

1. Verify the professional credentials of 100% of the site QA/QC personnel, including supervisors and managers (See Allegation A-02).
2. Re-inspect the work performed by inspectors found unqualified.

References:

1. IE Circular No. 80-22, Confirmation of Employee Qualifications
2. LP&L letter W3P93-3704, 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.

R. A. Westberg

Date _____

Team Leader

Date _____

Site Team Leader(s)

Date _____

Task Management

Date _____

Document Name:
SSER A-01

Requestor's ID:
PATTYN

Author's Name:
R. W. Westberg

Document Comments:

✓ 4

Document Name:
SSER A-01

Requestor's ID:
CONNIE

Author's Name:
R. W. Westberg

Document Comments:

✓ 4

FINAL SSER ROUTING A01

| Revision : | 0 | 1 | 2 | 3 |
|-------------------|-----------|---------------|---|---|
| Denny Crutchfield | <i>DM</i> | | | |
| ✓ Jim Gagliardo | | <i>11 5/2</i> | | |

ECU proof 6/23

OK Final Do not recode 6/21

FINAL SSER ROUTING A-01

| Revision : | 0 | 1 | 2 | 3 |
|-------------------|---|---|---|---|
| Denny Crutchfield | | | | |
| ✓ Jim Gagliardo | | | | |

SSER

Task: Allegation A-01

Reference Number: 4-83-A-48/1

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.

Potential Violations: QA inspectors may have been certified with insufficient professional qualifications due to lack of verification of previous employment.] - 4

Actions Required: See Item No. 1 in the Enclosure to the letter from D. Eisenhut 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:

R. A. Westberg

Date

Reviewed By:

Team Leader

Date

Reviewed By:

Site Team Leader(s)

Date

Approved By:

Task Management

Date

SSER

Task: Allegation A-01

Reference Number: 4-83-A-48/1

Characterization: The ^{alleged} ~~allegation~~ is 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 have performed inspections on safety-related systems. The NRC staff believes this allegation has implied safety significance.

Potential Violations: QA inspectors may have been certified with insufficient professional qualifications due to lack of verification of previous employment. — 4

Actions Required: Prior to fuel loading, LP&L shall:

1. Verify the professional credentials of 100% of the site QA/QC personnel, including supervisors and managers (See Allegation A-02).
2. Re-inspect the work performed by inspectors found unqualified.

Set Item No. 1 in Enclosure to Al D. Everhart
References: letter of 6/13/84 to J. M. Cain (LP&L)

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:

R. A. Westberg

Date

Reviewed By:

Team Leader

Date

Reviewed By:

Site Team Leader(s)

Date

Approved By:

Task Management

Date

Document Name:
SSER A-01

Requestor's ID:
PATTYN

Author's Name:
R. W. Westberg

Document Comments:

question on p.1
for Crossman
ACTIONS REQUIRED

J. HARRISON

DRAFT 6
06/09/84

WATERFORD OPEN ISSUE

Task: *A-01; A-02; A-03; A-28; A-57; A-208; A-274; A-255b; A-304; A-305; A-314

Ref. No.: 4-83-A-48/1,2,3; 4-83-A-81(B)/2; 4-83-A-88/9; 4-84-A-06-96;
~~4-84-A-06-156; 4-84-A-06-167; 4-84-A-06-182; 4-84-A-06-183; 4-84-A-12-4~~

Characterization: ~~QC inspector certification deficiencies. Past employment not verified. Inspectors not properly certified. Answers to exams given.~~

Initial Assessment of Significance: QC inspectors may have performed inspections while not properly qualified or certified - makes the validity of the inspections questionable.

Source: QA allegations; ~~Unknown allegation; Individual "C" and Gambit news article.~~ (mercury- Individual quit over contract dispute and made allegations)

1
withhold

Approach to Resolution:

1. Review contractors certification program against NRC requirements and ANSI N45.2.6 (73/78), Levels I, II and III.
2. Determine whether records reflect verification of education and experience (past employment) - in writing (see circular 80-22).
3. Interview a sample of previous mercury inspectors to determine if exam answers were routinely given to exams (if possible).
4. See QC Inspector List for particular records to be reviewed. (Mercury, Peabody, Stine, T&B, Gulf, and F&M).
5. LP&L provide a response and certs for item 4 - review and evaluate (information file in RI's safe).
- 3 6. Refer any examples of wrongdoing to OI.
- 4 7. Evaluate allegations for generic/safety implications.
- 5 8. Report on results of review/evaluation of allegations.

Status: In progress - Team 1 (Westberg/Ross)

Review Lead: J. Harrison

Support: OI

Estimated Resources: 1 man days (total)

Estimated Completion: 5/3/84

CLOSURE:

J. HARRISON

DRAFT 6
06/09/84

WATERFORD OPEN ISSUE

Task: *A-01; A-02; A-03; A-28; A-57; A-208; A-274; A-285b; A-304; A-305; A-314

Ref. No.: 4-83-A-48/1,2,3; 4-83-A-81(B)/2; 4-83-A-88/9; 4-84-A-06-96;
4-84-A-06-156; 4-84-A-06-167; 4-84-A-06-182; 4-84-A-06-183; 4-84-A-12-4

Characterization: QC inspector certification deficiencies. Past employment not verified. Inspectors not properly certified. Answers to exams given.

Initial Assessment of Significance: QC inspectors may have performed inspections while not properly qualified or certified - makes the validity of the inspections questionable.

Source: QA allegation; Unknown allegation; Individual [C] and Gambit news article.

1

Approach to Resolution:

1. Review contractors certification program against NRC requirements and ANSI N45.2.6 (73/78), Levels I, II and III.
2. Determine whether records reflect verification of education and experience (past employment) - in writing (see circular 80-22).
3. Interview a sample of previous mercury inspectors to determine if exam answers were routinely given to exams (if possible).
4. See QC Inspector List for particular records to be reviewed. (Mercury, Peabody, Sline, T&B, Gulf, and F&M).
5. LP&L provide a response and certs for item 9 - review and evaluate (information file in RI's safe).
6. Refer any examples of wrongdoing to OI.
7. Evaluate allegations for generic/safety implications.
8. Report on results of review/evaluation of allegations.

Status: In progress - Team 1 (Westberg/Ross)

Review Lead: J. Harrison

Support: OI

Estimated Resources: 6 man days (total)

Estimated Completion: 5/3/84

CLOSURE:

J. HARRISON

DRAFT 6
06/09/84

WATERFORD OPEN ISSUE

Task: *A-01; A-02; A-03; A-28; A-57; A-208; A-274; A-285b; A-304; A-305; A-314

Ref. No.: 4-83-A-48/1,2,3; 4-83-A-81(B)/2; 4-83-A-88/9; 4-84-A-06-96;
~~4-84-A-06-156; 4-84-A-06-167; 4-84-A-06-182; 4-84-A-06-183; 4-84-A-12-4~~

Characterization: QC inspector certification deficiencies. Past employment not verified. Inspectors not properly certified. Answers to exams given.

Initial Assessment of Significance: QC inspectors may have performed inspections while not properly qualified or certified - makes the validity of the inspections questionable.

Source: QA allegation; Unknown allegation; Individual ["C"] and Gambit news article.

Approach to Resolution:

1. Review contractors certification program against NRC requirements and ANSI N45.2.6 (73/78), Levels I, II and III.
2. Determine whether records reflect verification of education and experience (past employment) - in writing (see circular 80-22).
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Status: In progress - Team 1 (Westberg/Ross)

Review Lead: J. Harrison

Support: OI

Estimated Resources: 6 man days (total)

Estimated Completion: 5/3/84

CLOSURE:

WATERFORD OPEN ISSUE

Task: *A-01; A-02; A-03; A-28; A-57; A-208; A-274; A-285b; A-304; A-305; A-314

Ref. No.: 4-83-A-48/1,2,3; 4-83-A-81(B)/2; 4-83-A-88/9; 4-84-A-06/96, 156, 167, 182, 183;
~~4-84-A-06-156; 4-84-A-06-167; 4-84-A-06-182; 4-84-A-06-183; 4-84-A-12-4~~

Characterization: QC inspector certification deficiencies. Past employment not verified. Inspectors not properly certified. Answers to exams given.

Initial Assessment of Significance: QC inspectors may have performed inspections while not properly qualified or certified - makes the validity of the inspections questionable.

Source: QA allegation; Unknown allegation; Individual [C] and Gambit news article. 1

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Status: In progress - Team 1 (Westberg/Ross)

Review Lead: J. Harrison

Support: OI

Estimated Resources: 6 man days (total)

Estimated Completion: 5/3/84

CLOSURE:

Document Name:

X A-01

Requestor's ID:

CONNIE

Author's Name:

Document Comments:

WATERFORD OPEN ISSUE

Task: *A-01; A-02; A-03; A-28; A-57; A-208; A-274; A-314;

Ref. No.: 4-83-A-48/1,2,3; 4-83-A-81(B)/2; 4-83-A-88/9; 4-84-A-06-96;
4-84-A-06-156; 4-84-A-12-4

Characterization: QC inspector certification deficiencies. Past employment not verified. Inspectors not properly certified. Answers to exams given.

Initial Assessment of Significance: QC inspectors may have performed inspections while not properly qualified or certified - makes the validity of the inspections questionable.

Source: QA allegation; Unknown allegation; and Gambit news article.

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1. Review contractors certification program against NRC requirements and ANSI N45.2.6 (73/78), Levels I, II and III.
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Review Lead: J. Harrison

Support: OI

Estimated Resources: 6 man days (total)

Estimated Completion: 5/3/84

CLOSURE:

A-285b; A-304; A-305

Individual [C"]

1