

SSER

Task: Allegation A-111

Reference No.: 4-84-A-06-6

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

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

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

The NRC staff review of J. A. Jones records of the basemat placement packages showed that these violations were identified by Ebasco Quality Assurance (QA) in various placement packages. When a violation was identified, immediate corrective action was taken in the field, when possible. A discrepancy notice (DN), and when necessary a nonconformance report (NCR), was written to document the violation and to establish appropriate corrective action. If the violation involved a change in the original specification design, a field change request (FCR) or a design change notice (DCN) was written to address the violation. For further discussion on the above violations, refer to Allegation 104/139/140.

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

Based on its review, the NRC staff has concluded that the quality control of the concrete placements was adequate in achieving construction quality. The NRC staff consultant in an independent evaluation of the construction activities reached the same basic conclusion that the construction of the basemat was adequate to ensure the safety of the structure.

This allegation has neither safety significance nor generic implications.

Potential Violations: None.

Actions Required: None.

#### References

1. Ebasco Specification LOU-1564.472.
2. J. A. Jones Procedures W-WP-7 and W-SITP-7.
3. Basemat Placement Packages; 499S01-15, 499S01-14A, 499S01-11A, 499S02-9A, 499S02-7B, 499S02-7A, 499S02-8A, 499S02-10B, 599S02-8B, 499S02-5B, 499S02-4, 499S02-5A, 499S02-10A, 499S02-1, 499S02-6, 499S02-2, 499S02-9B, 499S03-16, 499S03-17, 499S03-11B.
4. DNs, NCRs, FCRs, and DCNs addressed in the above listed placements.

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Document Name:

SSER A-111

Requestor's ID:

DEBBIE

Author's Name:

Document Comments: