

APPENDIX C

**Bechtel Jacobs Company LLC
Corrective Actions In Response
to the
DOE-HQ, DOE-ORO and BJC Assessments
of
Bechtel Jacobs Company LLC
and
U.S. Department of Energy
Oak Ridge Operations Office**

Issue BJC/IS-1: Feedback and improvement process has not been effectively implemented to assure an expected degree of ISMS maturity.

DESCRIPTION OF CORRECTIVE ACTION (S8256/ I0055606 & I0055607):

Establish Effective Implementation of Feedback and Improvement Process to Assure Maturity

- BJC/IS-1.1. Conduct assessment of the effectiveness of OFI corrective actions
- BJC/IS-1.2. Develop and implement an OFI CAP
- BJC/IS-1.3. Complete an evaluation of the BJC Issues Management Trend Analysis Process using Six Sigma
- BJC/IS-1.4. Issue Trend Analysis CAP
- BJC/IS-1.5. Complete an INPO assessment of the BJC corrective action process
- BJC/IS-1.6. Issue INPO CAP

BECHTEL JACOBS COMPANY RESPONSIBLE PERSON:

- BJC/IS-1.1. Garry Suenkel
- BJC/IS-1.2. Garry Suenkel
- BJC/IS-1.3. Jerry Grissett
- BJC/IS-1.4. Jerry Grissett
- BJC/IS-1.5. Jerry Grissett
- BJC/IS-1.6. Jerry Grissett

CORRECTIVE ACTION INITIATION DATE:

- BJC/IS-1.1. December 3, 2001
- BJC/IS-1.2. February 1, 2002
- BJC/IS-1.3. January 2, 2002
- BJC/IS-1.4. May 1, 2002
- BJC/IS-1.5. March 25, 2002
- BJC/IS-1.6. May 1, 2002

EXPECTED COMPLETION DATE:

- BJC/IS-1.1. February 1, 2002 (complete)
- BJC/IS-1.2. May 1, 2002
- BJC/IS-1.3. April 15, 2002
- BJC/IS-1.4. May 10, 2002
- BJC/IS-1.5. April 30, 2002
- BJC/IS-1.6. May 24, 2002

CORRECTIVE ACTION CLOSURE DOCUMENTATION REQUIRED:

Provide copies of the:

BJC/IS-1.1. Management assessment report

BJC/IS-1.2. OFI CAP

BJC/IS-1.3. Six Sigma report of the Trend Analysis Performance Improvement Project (PIP)

BJC/IS-1.4. Trend CAP

BJC/IS-1.5. INPO report

BJC/IS-1.6. INPO CAP

DOE SUPPORT ACTION REQUIRED? (specify)

N/A

LINK TO OTHER CORRECTIVE ACTION? (specify)

I/CATS #S8256/I0055606

I/CATS #S8256/I0055607

Issue BJC/IS-2: ISMS implementation by BJC failed to adequately assure ongoing effectiveness and continuous improvement.

DESCRIPTION OF CORRECTIVE ACTION (S8256/ I0055606 & I0055607):

Reach an expected degree of ISM maturity

- BJC/IS-2.1. Conduct outside expert reviews of ISMS implementation
- BJC/IS-2.2. Evaluate ISM progress on BJC projects
- BJC/IS-2.3. Develop SME program and issue new and/or revised BJC procedures, as appropriate
- BJC/IS-2.4. Develop and issue BJC SME Program Management Description document
- BJC/IS-2.5. Ensure appointment by Functional Managers of BJC SME

BECHTEL JACOBS COMPANY RESPONSIBLE PERSON:

- BJC/IS-2.1. Garry Suenkel
- BJC/IS-2.2. Trent Rogers
- BJC/IS-2.3. Keith Bradley
- BJC/IS-2.4. Keith Bradley
- BJC/IS-2.5. Keith Bradley

CORRECTIVE ACTION INITIATION DATE:

- BJC/IS-2.1. January 14, 2002
- BJC/IS-2.2. January 10, 2002
- BJC/IS-2.3. February 4, 2002
- BJC/IS-2.4. February 4, 2002
- BJC/IS-2.5. February 4, 2002

EXPECTED COMPLETION DATE:

- BJC/IS-2.1. August 16, 2002
- BJC/IS-2.2. August 30, 2002
- BJC/IS-2.3. August 30, 2002
- BJC/IS-2.4. August 30, 2002
- BJC/IS-2.5. April 30, 2002

CORRECTIVE ACTION CLOSURE DOCUMENTATION REQUIRED:

Provide copies of the:

- BJC/IS-2.1. Documentation of outside experts review
- BJC/IS-2.2. Documentation of ISM reviews
- BJC/IS-2.3. Changed company procedures, as appropriate
- BJC/IS-2.4. SME Program Management Process Description document
- BJC/IS-2.5. Approved BJC SME list

DOE SUPPORT ACTION REQUIRED? (specify)

N/A

LINK TO OTHER CORRECTIVE ACTION? (specify)

I/CATS #S8256/I0055606

I/CATS #S8256/I0055607

MANAGEMENT COMMITMENT BJC/MC1: DOE-ORO and BJC, through the SB Working Group, identified the need to conduct a joint assessment of each BJC Category 2 and 3 facility in order to define baseline status upon which to approve continued operations, concurrent with development of new 10 CFR 830 Subpart B DSAs. The assessments will build upon results of previous internal and external BJC SB assessments.

DESCRIPTION OF CORRECTIVE ACTION:

BJC/MC1-1. Conduct a joint DOE/BJC Nuclear Facility Safety Assessment of SB for each BJC nuclear facility to ensure that the current SB provides an adequate foundation for ongoing operations and activities pending completion of updates to the SB documents in accordance with 10 CFR 830 Subpart B.

BECHTEL JACOBS COMPANY RESPONSIBLE PERSON:

BJC/MC1-1. BJC/MC1-1. John Lyons and Arlen Schade

CORRECTIVE ACTION INITIATION DATE:

BJC/MC1-1. March 4, 2002

EXPECTED COMPLETION DATE:

BJC/MC1-1. June 30, 2002

CORRECTIVE ACTION CLOSURE DOCUMENTATION REQUIRED:

BJC/MC1-1. Copy of assessment reports for each of the Category 2 and 3 assessments and copy of the summary assessment report

DOE SUPPORT ACTION REQUIRED? (specify)

BJC/MC1-1. DOE-ORO will participate in the joint DOE-ORO/BJC assessments

LINK TO OTHER CORRECTIVE ACTION? (specify)

BJC/MC1-1. These assessments constitute follow-up to the SB flowdown assessments and the technical adequacy assessment covered by I/CATS 4366 and 4372

MANAGEMENT COMMITMENT BJC/MC2: Through a series of internal assessments and the preparation of an updated NTS report, BJC has determined the need to validate nuclear facility categorization and inventory controls. The NTS report indicated the lack of a consistent, comprehensive set of technical bases for categorizing the nuclear facilities that had been managed by multiple contractors at five sites in three different states.

RECOMMENDATION BJC/MC2-1:

BJC/MC2-1. Validate facility categorization and inventory controls.

DESCRIPTION OF CORRECTIVE ACTION:

BJC/MC2-1. Validate facility categorization and inventory controls.

BECHTEL JACOBS COMPANY RESPONSIBLE PERSON:

BJC/MC2-1. Bruce Wilson and Mike Taylor

CORRECTIVE ACTION INITIATION DATE:

BJC/MC2-1. February 1, 2002

EXPECTED COMPLETION DATE:

BJC/MC2-1. August 1, 2002

CORRECTIVE ACTION CLOSURE DOCUMENTATION REQUIRED:

BJC/MC2-1. Updated list of nuclear facilities, including categorizations, and copy of inventory control procedure/document

DOE SUPPORT ACTION REQUIRED? (specify)

BJC/MC2-1. DOE concurrence required on facility categorization for Category 3 facilities downgraded to radiological

LINK TO OTHER CORRECTIVE ACTION? (specify)

BJC/MC2-1. Related to SA1a action regarding SMP for inventory control

MANAGEMENT COMMITMENT BJC/MC3: During the process of conducting SB flowdown assessments of all Category 2 and 3 nuclear facilities, BJC determined the need for an independent review board to review SB-related issues, assist with problem resolution, and provide guidance on facility categorization and preparation of new 10 CFR 830-compliant DSAs, as well as USQDs.

DESCRIPTION OF CORRECTIVE ACTION:

BJC/MC3-1. Implement a SB Review Board.

BECHTEL JACOBS COMPANY RESPONSIBLE PERSON:

BJC/MC3-1. John Lyons

CORRECTIVE ACTION INITIATION DATE:

BJC/MC3-1. October 1, 2001

EXPECTED COMPLETION DATE:

BJC/MC3-1. December 19, 2001 (complete)

CORRECTIVE ACTION CLOSURE DOCUMENTATION REQUIRED:

BJC/MC3-1. Copy of Safety Basis Review Board (SBRB) charter and copy of minutes for the first SBRB meeting

DOE SUPPORT ACTION REQUIRED? (specify)

BJC/MC3-1. None required; the SBRB is a BJC review board. Periodically, DOE-ORO representatives attend the meetings to discuss specific issues.

LINK TO OTHER CORRECTIVE ACTION? (specify)

N/A

MANAGEMENT COMMITMENT BJC/MC4: During the process of conducting SB flowdown assessments of all Category 2 and 3 nuclear facilities, BJC identified the need for a more in-depth review of the technical adequacy of SB documents.

DESCRIPTION OF CORRECTIVE ACTION:

BJC/MC4-1. Conduct an independent review of the AB management process/program to assess its technical adequacy and to more clearly identify areas needing improvement.

BECHTEL JACOBS COMPANY RESPONSIBLE PERSON:

BJC/MC4-1. John Lyons and Mike Hitchler

CORRECTIVE ACTION INITIATION DATE:

BJC/MC4-1. February 4, 002

EXPECTED COMPLETION DATE:

BJC/MC4-1. March 1, 2002 (complete)

CORRECTIVE ACTION CLOSURE DOCUMENTATION REQUIRED:

BJC/MC4-1. Copy of SB technical adequacy assessment report

DOE SUPPORT ACTION REQUIRED? (specify)

BJC/MC4-1. DOE-ORO participated in this joint BJC/DOE-ORO assessment

LINK TO OTHER CORRECTIVE ACTION? (specify)

BJC/MC4-1. Similar to I/CATS 5075 (see also SB 1a)

MANAGEMENT COMMITMENT BJC/MC5: During the process of conducting SB flowdown assessments of all Category 2 and 3 nuclear facilities, BJC identified the need to review and update as necessary, the Authorization Agreements.

DESCRIPTION OF CORRECTIVE ACTION:

BJC/MC5-1. Complete annual update for Authorization Agreements.

BECHTEL JACOBS COMPANY RESPONSIBLE PERSON:

BJC/MC5-1. Bruce Wilson and Mike Taylor

CORRECTIVE ACTION INITIATION DATE:

BJC/MC5-1. February 15, 2002

EXPECTED COMPLETION DATE:

BJC/MC5-1. May 31, 2002

CORRECTIVE ACTION CLOSURE DOCUMENTATION REQUIRED:

BJC/MC5-1. Copy of index of updated Authorization Agreements and copies of example agreements

DOE SUPPORT ACTION REQUIRED? (specify)

BJC/MC5-1. DOE-EM will approve the Authorization Agreements

LINK TO OTHER CORRECTIVE ACTION? (specify)

N/A