BSC

Criteria/Basis Change Notice

Complete only applicable items.

1. QA: N/A
2. Page 1 of 1

3. Document Identifier:	4. Rev.:	5. CBCN:
000-3DR-MGR0-00100-000	007	004

6a. Title:	6b. Safety Classification of SSC:
Project Design Criteria Document	Non-ITS & Non-ITWI

7. Reason for Change:

Management decision TMRB-2007-034 provided direction to include subsurface seismic methodology for the inverts to provide a more robust design to support potential retrieval operations. This decision requires change to PDC Criterion 4.2.13.2.1 and addition of the proposal to the reference section.

There are no technical impacts to the design or LA sections as the TMRB proposal was implemented directly into the design and referenced documents.

8. Supersedes Change Notice: ☐ Yes If, Yes, Change Notice: _____ ☒ No

9. Disciplines/Organizations Affected by this Change:

Subsurface Facilities Project Engineer	Mechanical Discipline Engineering Manager	Civil/Structural/Architectural Discipline Engineering Manager
Mining Discipline Engineering Manager		ESH Review Coordinator (EM) 12/27/07
		If 6b is ITS/ITWI: Quality Assurance: N/A

10. Description of Change:

Add the following NEW PDC criterion as follows:

4.2.13.2.1 Subsurface Seismic

All SSCs located underground shall be designed for seismic conditions in accordance with the *International Building Code 2000, with Errata to the 2000 International Building Code* (ICC 2003 [DIRS 173525] as described in Section 6.1.10.2.2. **Additionally:**

- **Emplacement steel invert structure will be designed to DBGM-1 with the TEV in the drift and to DBGM-2 when the TEV is not in the drift.**
- **Subsurface inverts including the North Portal to the turnouts in Panel 1, access mains, emplacement drift turnouts, and the emplacement drift inverts shall be designed in accordance with the *Subsurface Seismic Design Methodology for the Subsurface Invert*, TMRB-2007-034 (BSC 2007 [DIRS 182272]), Attachment 1.**

[There are no SSCs in the Subsurface Facility that are ITS. The seismic categorization in accordance with site-specific seismic ground motion is not applicable. ***Management decision TMRB-2007-034 provided specific direction to provide a more robust design to maintain the ability to perform retrieval operations.****]*

Add the new document to the Reference Section 8.1, Documents Cited, as follows:

[DIRS 182272]

BSC (Bechtel SAIC Company) 2007. *TMRB Decision Proposal - Seismic Design Methodology for the Subsurface Invert.* **TMRB-2007-034. Las Vegas, Nevada; Bechtel SAIC Company. ACC:**

11. REVIEWS AND APPROVAL

Printed Name	Title	Signature	Date
11a. Preparer: David S. Rhodes	Discipline Engineering Manager		12-27-07
11b. Concurrence: Richard Foster (Acting)	Manager of Discipline Engineering		12-27-07
11c. Concurrence: N/A	Project Engineering Manager	N/A	N/A
11d. Approved: Barbara Rusinko	Engineering Manager		12/28/07