

BSC

Criteria/Basis Change Notice

1. QA: N/A
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Complete only applicable items.

3. Document Identifier: 000-3DR-MGR0-00100-000		4. Rev.: 007	5. CBCN: 006
6a. Title: <i>Project Design Criteria Document</i>		6b. Safety Classification of SSC: Non-ITS & Non-ITWI	
7. Reason for Change: Recent allocation of new requirements in 30 CFR 57 since the <i>Project Design Criteria Document</i> , 000-3DR-MGR0-00100-000-007 was issued, resulted in selection of Mine Safety and Health Administration (MSHA) requirements for ground support for some areas of the repository design. These requirements are not available in Occupational Safety and Health Administration (OSHA) requirements and provide for a technical basis of the rock bolts anticipated to be necessary. This level of detail is not required in the SAR. This standard should already be in use for rock bolts. There is no other technical impact.			
8. Supersedes Change Notice:		<input type="checkbox"/> Yes If, Yes, Change Notice: _____ <input checked="" type="checkbox"/> No	
9. Disciplines/Organizations Affected by this Change:			
Subsurface Facilities Project Engineer <i>[Signature]</i> 12/28/07	Mining Discipline Engineering Manager <i>[Signature]</i> 12/28/07	ESH Review Coordinator (EM) <i>[Signature]</i> 12/28/07	
L&NS Document Review <i>[Signature]</i> 12/28/07	Preclosure Safety Analysis Manager <i>[Signature]</i> 12/28/07	WQC Integration Manager <i>[Signature]</i> 12/28/07	
			If 6b is ITS/ITWI: Quality Assurance: N/A
10. Description of Change: Revise the following PDC criteria as follows: 4.5.2.2 Rockfall Prevention The ground support shall be designed to prevent rockfalls that could result in personnel injury. Rock bolts and associated fixtures shall be in accordance with 30 CFR 57.3203(a-h), Rock Fixtures, [DIRS 177661] including ASTM F 432-95 (Reapproved 2001), Standard Specification for Roof and Rock Bolts and Accessories [DIRS 165010]. <i>[Personnel safety requires that underground openings be designed to minimize the potential for harmful rock movement or fracturing so that underground operations can be carried out safely. To provide for safe operations, this criterion ensures a ground support system design that minimizes the potential of immediate or progressive failure (due to gradual deterioration) of the surrounding rock mass and harmful rock movement that could result in unsafe subsurface conditions. Although the operating repository is not subject to the Mine Safety and Health Administration (MSHA) regulations, 30 CFR 57.3360 calls for ground support to protect personnel and 30 CFR 57.3203 provides criteria for rock bolt installation that exists, applies to the components anticipated, and should be applied to the design. Although a 2004 version of the ASTM standard is available, the 1995 version is the one specified in 30 CFR 57 and will be used on the project. CBCN00x to Revision 007 provided this change.]</i> Add the following references to Section 8.2: [DIRS 177661] 30 CFR 57. 2006. Mineral Resources: Safety and Health Standards--Underground Metal and Nonmetal Mines. Internet Accessible. [DIRS 165010] ASTM F 432-95 (Reapproved 2001). 1995. Standard Specification for Roof and Rock Bolts and Accessories. West Conshohocken, Pennsylvania: American Society for Testing and Materials. TIC: 253986			
11. REVIEWS AND APPROVAL			
Printed Name	Title	Signature	Date
11a. Preparer: David S. Rhodes	Discipline Engineering Manager	<i>[Signature]</i>	1-2-08
11b. Concurrence: Richard Foster (Acting)	Manager of Discipline Engineering	<i>[Signature]</i>	1-2-08
11c. Concurrence: N/A	Project Engineering Manager	N/A	N/A
11d. Approved: Barbara Rusinko	Engineering Manager	<i>[Signature]</i>	1/3/08