

**BSC**

**Criteria/Basis Change Notice**

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

3. Document Identifier: 000-3DR-MGR0-00100-000-007- <i>JS 1/31/08</i>		4. Rev.: 007	5. CBCN: <i>007</i>
6a. Title: Project Design Criteria Document		6b. Safety Classification of SSC: Non-ITS & Non-ITWI	
7. Reason for Change: During a review of requirement 4.9.3.15 <i>Additional Codes and Standards</i> , it was determined that the requirement to use ACI 349-01/349-01, <i>Code Requirements for Nuclear Safety Related Concrete Structures (ACI 349-01) and Commentary (ACI 349R-01)</i> [DIRS 181670] would result in over design of subsurface concrete structures because the subsurface ventilation system has been classified as non-ITS. This system does not include SSCs that are ITWI (see <i>Basis of Design for the TAD Canister-Based Repository Design Concept</i> , paragraph 22.1.2). The requirement to use <i>The Electrical Engineering Handbook</i> (Dorf 1993)[DIRS 125707] is valid for the subsurface ventilation system.  Requirement 4.9.3.15 of the <i>Project Design Criteria Document</i> should be consistent with Requirement 4.2.11.5.2 which specifies that "non-ITS reinforced concrete structures shall be designed in accordance with ACI 318-02/318R-02, <i>Building Code Requirements for Structural Concrete (ACI 318-02 and Commentary (ACI 318R-02)</i> [DIRS 158832]". [ACI 318-02/318R-02 is the standard engineering code for reinforced concrete conventional structures. The responsible Discipline Engineering Manager (C/S/A) has determined that ACI 318-02/318R-02 is appropriate for use in the design instead of the latter revision (ACI 318-02/318R-06)].			
8. Supersedes Change Notice:		<input type="checkbox"/> Yes If, Yes, Change Notice: _____ <input checked="" type="checkbox"/> No	
9. Disciplines/Organizations Affected by this Change:			
DEM Systems Engineering <i>DDK</i>	DEM Mechanical <i>5/11/08 JS 1/30/08</i>		
PE for Subsurface Facilities <i>MM 1/30/08</i> <i>DDK 1/30/08</i>	DEM Civil/ Structural/Architectural <i>1/30/08</i>		
DEM Nuclear & Radiological <i>DDK</i>			
		If 6b is ITS/ITWI: Quality Assurance: N/A	
10. Description of Change: <b>4.9.3.15 Additional Codes and Standards</b>  Subsurface ventilation shall also follow <del>ACI 349-01/349-01-ACI 318-02/318R-02, <i>Building Code Requirements for Nuclear Safety Related Concrete Structures Structural Concrete (ACI 349-01-ACI 318-02) and Commentary (ACI 349R-01-ACI 318R-02)</i></del> [DIRS 181670 158832], and <i>The Electrical Engineering Handbook</i> (Dorf 1993)[DIRS 125707].  <i>[These documents have been determined to be applicable to the design of the subsurface ventilation system. ACI 318-02/318R-02 is the standard engineering code for reinforced concrete conventional structures. The responsible Discipline Engineering Manager has determined that ACI 318-02/318R-02 is appropriate for use in the design instead of the latter revision (ACI 318-02/318R-06).]</i>			
<b>11. REVIEWS AND APPROVAL</b>			
<b>Printed Name</b>	<b>Title</b>	<b>Signature</b>	<b>Date</b>
11a. Preparer: Robert Boutin <i>Robert Boutin</i>	Discipline Engineering Manager <i>JS</i>	<i>JS 1/31/08</i>	<i>1/30/08</i> <i>JS 1/31/08</i>
11b. Concurrence: Richard Foster <i>Richard Foster</i>	Manager of Discipline Engineering	<i>Richard Foster</i>	<i>1/30/08</i> <i>JS 1/31/08</i>
11c. Concurrence: <del>Mark Johnson</del> <i>JS 1/30/08</i>	Project Engineering Manager	N/A	
11d. Approved: B. Rusinko	Engineering Manager	<i>B. Rusinko</i>	<i>1/30/08</i>