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14. REMARKS			

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1. PURPOSE

The purpose of this analysis is to allocate Exploratory Studies Facility Design Requirements (ESFDR) (Reference 5.1) applicable to Configuration Item (CI) BABFC0000, Conveyor Foundations.

2. QUALITY ASSURANCE

The Quality Assurance (QA) Controls and QA classification for the conveyor foundations are presented in the Determination of Importance Evaluation (DIE) (Reference 5.2). The conveyor and associated foundations are temporary items that do not require QA classification as evaluated by the approved DIE, therefore the QA classification is QA NONE.

3. METHOD

Identify applicable requirements by a detailed review of the ESFDR (Reference 5.1).

4. DESIGN INPUTS

No design inputs other than criteria identified in Section 4.2 are applicable to this analysis.

4.1 DESIGNED PARAMETERS

Not applicable.

4.2 CRITERIA

ESFDR (Reference 5.1)

4.3 ASSUMPTIONS

Not applicable.

4.4 CODES AND STANDARDS

Not applicable.

5. REFERENCES

- 5.1 Yucca Mountain Site Characterization Project, January 19, 1995. Exploratory Studies Facility Design Requirements, Rev. 1, YMP/CM-0019, ICN-1.
- 5.2 Determination of Importance Evaluation for ESF Package 2C, Document No. AB0000000-01717-2200-00005, REV 04.

6. USE OF COMPUTER SOFTWARE

No computer programs were used in this analysis.

7. DESIGN ANALYSIS

7.1 DEFINITION OF CI

Conveyor foundations are defined as those items and components that structurally support the conveyor. The conveyor foundations consist of the foundations and anchor bolts that will be used to facilitate installation of the surface and subsurface conveyor.

7.2 BOUNDARIES AND INTERFACES

The repository/Exploratory Studies Facility (ESF) interface constraints are described in ESFDR Appendix A.1 and repository/ESF interface drawings are listed in the ESFDR Appendix A.2.

The boundaries and interfaces for the conveyor foundations are within the North Ramp and extend out to the muck storage area. The conveyor foundations share physical interfaces with the following systems: Subsurface Power, Subsurface Communications, Subsurface Lighting, Subsurface Ventilation, Subsurface Water, Subsurface Wastewater, Subsurface Compressed Air, Subsurface Fire Protection, Subsurface Monitoring and Warnings, Linings and Ground Support, and Integrated Data Control System.

Ramp invert, ground support, or steel sets are not included in this section, but may share interfaces.

The conveyor foundations share functional interfaces with the following organizations: Test Coordinator's Office, ESF Surface Design, and Potential Repository Design Group.

Surface-based testing is an interface to all construction activities in the ESF.

The requirements contained in the ESFDR (Reference 5.1) applicable to conveyor foundations CI Identifier: BABFC0000, are listed in Section 8, Conclusions.

8. CONCLUSIONS

8.1 The following ESFDR criteria (Reference 5.1) are applicable to CI BABFC000.

3.2.1 G	3.2.1 M.5
3.2.1 J.8	3.2.1 M.5a
3.2.1 M	3.2.1 M.5b
3.2.1 M.1	3.2.1 Q
3.2.1 M.4	3.2.1 R

3.2.1 S	3.2.1.10.1 A
3.2.1 T	3.2.1.10.1 B
3.2.1 U	3.2.1.10.1 C
3.2.1 W	3.2.1.10.1 D
3.2.1 W1	3.2.1.10.1 E
3.2.1 Z	3.2.1.10.1 F
3.2.1 Z1	3.2.1.10.1 G
3.2.1 Z2	3.2.1.10.1 H1
3.2.1 AA2	3.2.1.10.1 H2
3.2.1 AA4	3.2.1.10.1 I
3.2.1 AA5	3.2.1.10.2 D
3.2.1.1	3.2.1.17 B
3.2.1.1 A	3.2.1.19.1 A
3.2.1.1 B	3.2.1.19.1 B
3.2.1.1 C.1	3.2.1.19.2 A
3.2.1.1 E	3.2.1.19.3
3.2.1.3 C	3.2.1.19.3 A4
3.2.1.4	3.2.1.25.1 A
3.2.1.4 B1	3.2.1.25.1 B
3.2.1.4 B1a	3.2.1.25.2
3.2.1.4 B1b	3.2.1.25.4
3.2.1.4 B1bi	3.2.1.25.5
3.2.1.4 B1bii	3.2.1.25.6 A
3.2.1.4 B1biii	3.2.1.25.6 B9
3.2.1.4 B1biv	3.2.1.28
3.2.1.4 B2	3.2.1.29
3.2.1.4 B3	3.2.2 C
3.2.1.4 B4	3.2.2 D
3.2.1.4 H	3.2.2.1 A
3.2.1.5	3.2.2.1 C
3.2.1.5 A	3.2.2.1 D
3.2.1.5 B	3.2.2.1 F
3.2.1.5 C	3.2.2.1 H
3.2.1.5 H	3.2.2.1 J1
3.2.1.6 E	3.2.2.1 J2
3.2.1.7 C	3.2.2.1 K
3.2.1.9	3.2.2.1 O
3.2.1.9.3 A	3.2.2.4.1 C
3.2.1.9.3 C1	3.2.2.5.9 B
3.2.1.9.4 A	Appendix A.5
3.2.1.10.1	Appendix J

9. ATTACHMENTS

Not used.