

**COMPLIANCE DETERMINATION STRATEGY
RRT 3.2.2.2 FAVORABLE CONDITION: SATURATED ZONE
HYDROGEOLOGIC CONDITIONS**

APPLICABLE REGULATORY REQUIREMENT:

10 CFR 60.21(c)(1)(ii)(B)
10 CFR 60.21(c)(1)(ii)(F)
10 CFR 60.122(b)(2)(i-iii)

TYPES OF REVIEW:

None

RATIONALE FOR TYPES OF REVIEW:

See "Review Strategy."

REVIEW STRATEGY:

This regulatory requirement topic pertains to disposal in the saturated zone. The U.S. Department of Energy's (DOE's) plans for the disposal of radioactive waste at Yucca Mountain call for disposal in the unsaturated or "vadose" zone (see DOE, 1988, p. 26-29). In light of DOE's current plans, the staff will not require DOE to address this regulatory requirement topic in a potential license application and thus no review strategy will be needed.

Contributing Analysts:

NRC: J. Pohle

CNWRA: R. Bagtzoglou

Date of Analysis: January 5, 1993

APPLICABLE REGULATORY REQUIREMENTS FOR EACH TYPE OF REVIEW:

Not applicable.

REFERENCES:

DOE (U.S. Department of Energy). 1988. *Site Characterization Plan: Yucca Mountain Site, Nevada Research and Development Area, Nevada*. Office of Civilian Radioactive Waste Management. DOE/RW-0199. 9 Volumes.

COMPLIANCE DETERMINATION STRATEGY

Review Plan No. 3.2.2.2

Favorable Conditions: Saturated Zone Hydrogeologic Conditions

APPLICABLE REGULATORY REQUIREMENTS:

10 CFR 60.21(c)(1)(ii)(B)
10 CFR 60.21(c)(1)(ii)(F)
10 CFR 60.122(b)(2)(i-iii)

TYPES OF REVIEW:

None

RATIONALE FOR TYPES OF REVIEW:

See "Review Strategy."

REVIEW STRATEGY:

This regulatory requirement topic pertains to disposal in the saturated zone. The U.S. Department of Energy's (DOE's) plans for the disposal of radioactive waste at Yucca Mountain call for disposal in the unsaturated or "vadose" zone (see DOE, 1988, p. 26-29). In light of DOE's current plans, the staff will not require DOE to address this regulatory requirement topic in a potential license application and thus no review strategy will be needed.

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Date of Analysis: January 5, 1993

RATIONALE FOR REVIEW STRATEGY (OPTIONAL):

Not applicable.

APPLICABLE REGULATORY REQUIREMENTS FOR EACH TYPE:

Not applicable.

REFERENCES:

DOE (U.S. Department of Energy), "Overview — Site Characterization Plan; Yucca Mountain Site, Nevada Research and Development Area, Nevada," Office of Civilian Radioactive Waste Management, DOE/RW-0198, ~~December 1988~~.

