Appendix D

NDEP Correspondence and Record of Review

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STATE OF NEVADA
Department of Conservation & Natural Resources
DIVISION OF ENVIRONMENTAL PROTECTION

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RECEIVED DOE
NOV 17 2009
GRAND JCT. OFFICE

Mr. Mark Kautsky
Site Manager
U.S. Department of Energy
Office of Legacy Management
2597 B ¾ Road
Grand Junction, CO 81503

RE: Draft Post-Closure Inspection and Monitoring Report for Corrective Action Unit 417: Central Nevada Test Area Surface, Hot Creek Valley, Nevada
October 2009
Federal Facility Agreement and Consent Order

Dear Mr. Kautsky:

The Nevada Division of Environmental Protection, Bureau of Federal Facilities (NDEP) staff has received and reviewed the above-referenced report on the post-closure inspection and monitoring activities conducted at the Central Nevada Test Area during calendar year 2009. The annual report was prepared in accordance with the Federal Facility Agreement and Consent Order (FFACO) and the Closure Report for Corrective Action Unit 417. The NDEP has the following question and comment on this draft report:

1. Page 1-2, Section 1.3, Geologic Setting, Second Paragraph, Last Sentence: In every previous Post-Closure Inspection and Monitoring Report for Corrective Action Unit 417 the depth to water at the UC-1 CMP is stated as approximately 168 meters (550 ft). Has new data been collected to change the depth to water at this point to approximately 84 meters (275 ft) or is this a misprint?

2. Page 3-4, Section 3.2.2, UC-4 Survey, Fifth Sentence: It is stated in this sentence that "...both subsidence markers showed increases in elevation ranging from 0.010 m (0.39 inches) to 0.013 m (0.51 inches) from the west and east SMs, respectively." It appears that this sentence should read, "...the east and west SMs, respectively." when comparing the sentence to Table 2 in Appendix B and Figure 3-6.

The NDEP concurs with the recommendations stated in Section 4.3 of the report, but would like to remind the Office of Legacy Management of an additional recommendation that NDEP made in an August 2, 2007 letter to Mr. Jack R. Craig (respond to reports from the public of detrimental conditions at the site within 90 days).

Please address any questions regarding this matter to Chris Andres at 702-486-2850 ext. 232.

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Sincerely,

T. H. Murphy
Chief
Bureau of Federal Facilities

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Due Date	Review No.	Project	Type of Review
12-23-09	1	Offsites – Legacy Management	Technical

Document Title and\or Number and Revision
Post-Closure Inspection and Monitoring Report for Corrective Action Unit 417: Central Nevada Test Area, Hot Creek Valley, Nevada for Calendar Year 2009

Author
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S.M. Stoller	

Reviewer
Tim Murphy

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Reviewers' Recommendation

- ☐ Release Without Comment
- ☐ Consider Comments
- ☐ Resolve Comments and Reroute for Review

Signature of Reviewer and Date

- ☐ Comments Have Been Addressed

Signature of Author and Date

- ☐ Comment Resolution Satisfactory
- ☐ Comment Resolution Unsatisfactory

Signature of Reviewer and Date

Item No.	Reviewer's Comments and Recommendation	Reqd. (Y/N)	Item No.	Author's Response (if required)
1	Page 1-2, Section 1.3, Geologic Setting, Second Paragraph, Last Sentence: In every previous Post-Closure Inspection and Monitoring Report for Corrective Action Unit 417 the depth to water at the UC-1 CMP is stated as approximately 168 meters (550 ft). Has new data been collected to change the depth to water at this point to approximately 84 meters (275 ft) or is this a misprint?		1	The following text will be replaced in the first sentence of the second paragraph of Section 1.3 on page 1-2. Change from approximately 0.9 square kilometers (0.3 square miles) to approximately 1.5 square kilometers (0.6 square miles). and The following text will replace the last sentence of the second paragraph of Section 1.3 on page 1-2. “The depth to water at the UC-1 CMP is approximately 84 m (275 ft) bgs based on measurements obtained from well UC-1-P-1S prior to and after its recompletion in June 2009 (Figure 1-2). Water levels measured before the recompletion of UC-1-P-1S had been suspect due to difficulties encountered during its drilling and construction in 1968. Historically, the reported depth to water of 550 ft bgs at the CMP was based on measurements obtained from well HTH-2. Well HTH-2 is outside the down-drop graben block, nearly 1500 ft southwest of the CMP. Well UC-1-P-1S is inside the down-drop graben block less than 200 ft west of the CMP. The

Item No.	Reviewer's Comments and Recommendation	Reqd. (Y/N)	Item No.	Author's Response (if required)
				differing depths to water inside and outside the graben block (northwest and southeast of the southeast bounding fault) were confirmed by the 2009 drilling program. Wells MV-4 and MV-5 drilled through the southeast graben fault and were dual completions with a piezometer inside the graben and a well outside the graben. The depth to water of the piezometers is consistent with that of well UC-1-P-1S, approximately 275 ft bgs. The depth to water of the wells is consistent with that of well HTH-2, approximately 550 ft bgs. Well HTH-1 (outside the graben block) was also recompleted in 2009 with two piezometers (upper and lower alluvial aquifer) and a well (upper volcanic section). The depth to water of both HTH-1 piezometers is approximately 550 ft bgs. “
2	Page 3-4, Section 3.2.2, UC-4 Survey, Fifth Sentence: It is stated in this sentence that “…both subsidence markers showed increases in elevation ranging from 0.010 m (0.39 inches) to 0.013 m (0.51 inches) from the west and east SMs, respectively.” It appears that this sentence should read, “…the east and west SMs, respectively.” when comparing the sentence to Table 2 in Appendix B and Figure 3-6.		2	The change was made as requested.
	The NDEP concurs with the recommendations stated in Section 4.3 of the report , but would like to remind the Office of Legacy Management of an additional recommendation that NDEP made in an August 2, 2007 letter to Mr. Jack Craig (respond to reports from the public of detrimental conditions at the site within 90 days).			The sentence “Respond to reports from the public of detrimental conditions at the site within 90 days.” was added to Section 4.3 of the report.

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