



**Allen, Pam, NMENV**

**From:** Kliphuis, Trais, NMENV  
**Sent:** Monday, February 06, 2012 10:47 AM  
**To:** Allen, Pam, NMENV  
**Subject:** FW: Fixes

For the record

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**From:** McCauslin, Susan - DOE [mailto:susan.mccauslin@wipp.ws]  
**Sent:** Thursday, February 02, 2012 4:40 PM  
**To:** Kliphuis, Trais, NMENV  
**Cc:** Chavez, Rick - RES; Kehrman, Bob - RES; Most, Wille - RES  
**Subject:** FW: Fixes

Hi Trais,

Below is a list of items we noted on the revision that should be corrected. Thanks, and please let me know if you have questions on these.

Susan McCauslin  
(575) 234-7349

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**From:** Kehrman, Bob - RES  
**Sent:** Thursday, February 02, 2012 4:32 PM  
**To:** Kehrman, Bob - RES; McCauslin, Susan - DOE  
**Cc:** Most, Wille - RES; Chavez, Rick - RES; Pastorello, Linda - RES  
**Subject:** Fixes

Susan

Here are the various discrepancies that we noted. Only the first two, (which we discussed on the phone) and the next two are important. The others can be fixed later.

**Permit Part 5, Section 5.10.2.2. Groundwater Surface Elevation Results** Not all of the changes were made, making this text inconsistent with the text that was changed in Attachment L

**Permit Part 5, Section 5.10.2.3. Groundwater Flow and Radionuclide Sampling Results** Not all of the changes were made, making this text inconsistent with the text that was changed in Attachment L

**Attachment L, Section L-3b(1), Page L-9 on Line 11**

Wording was left out:

“The wells were drilled through the Culebra ~~and~~ into the Los Medaños as shown in Table L-5.”

**Attachment L, Section L-4c(2)(ii), Page L-12, starting on Line 40 and going to Page L-13, Line 2**

The word “than” is omitted and the “s” is left off of parameter:

“Each DMW will be purged to no more than three well bore volumes, or until field parameters stabilize, whichever occurs first. Well stabilization occurs when the field-analyzed parameters are within  $\pm 5\%$  of three consecutive measurements. A well bore volume is defined as the volume of water from static water level to the bottom of the well sump.”



**Attachment L – Table of Contents**

Jumps from L-7h to L-7j should be L-7i

**Attachment L Section L-1a(1), paragraph that starts on the bottom of Page L-2, Line 39 and goes onto Page L-3, Line 2**  
Word “Application” was left in text. It should be deleted.

“These evaporite-bearing formations lie between two other formations significant to the geology and hydrology of the WIPP facility. The Dewey Lake Redbeds Formation (**Dewey Lake**) overlying the Rustler is dominated by nonmarine sediments and consists almost entirely of mudstone, claystone, siltstone, and interbedded sandstone (see Amended Renewal Application Addendum L1, Section L1-1c(6) Application (DOE, 2009)).”

**Attachment L, Section L-1a(2)(iii) Page L-7, Lines 28-31**

Add period at end of paragraph.

**Attachment L, Section L-4c(2)(iii), Page L-14, starting on Line 18**

The acronym SOPs does not need bolded in this instance:

“Final samples will be collected in the appropriate type of container for the specific analysis to be performed. The samples will be collected in new and unused glass and plastic containers (refer to Table L-6). For each parameter analyzed, a sufficient volume of sample will be collected to satisfy the volume requirements of the analytical laboratory (as specified by laboratory SOPs).”

**Attachment L, Section L-4c(2)(iii), Page L-14, Lines 27-28**

The word Table needs capitalization and an “s” for plural.

“Final samples will be sent to the analytical laboratories and analyzed for parameters and hazardous constituents specified in Part 5, Tables 5.4a and 5.4b.”

**Attachment L, Section L-4c(2)(iv), Page L-15, Lines 5-8**

The word “provide” should be singular.

“The sample tracking system at the WIPP facility uses uniquely numbered chain of custody/request for analysis (CoFC/RFA) forms. The primary consideration for storage or transportation is that samples shall be analyzed within the prescribed holding times for the analytes of interest. WIPP SOPs (see Table L-3) provides instructions to ensure proper sample tracking protocol.”

**Attachment L, Section L-4c(3), Page L-16, Lines 27-30**

Word “present” should be plural

“Analysis of samples will be performed using methods selected to be consistent with EPA recommended procedures in SW 846 (EPA, 1996). Additional detail on analytical techniques and methods will be given in laboratory SOPs. In Part 5, Tables 5.4.a and 5.4.b presents the analytical parameters and hazardous constituents for the WIPP DMP.”

**Attachment L, Section L-7a(2)(i)(A), Page L-22, Lines 10-12**

The word “check” was deleted in the PMR and should be deleted in the final:

“Field measurements will include pH, Specific Conductance (SC), temperature, specific gravity and static groundwater surface elevation. Field measurement accuracy will be determined using calibration ~~check~~ standards.”

**Attachment A2, Section A2-2a(4), Page A2-10, lines 33-35**

To be consistent with our Class 1 request, the text should read “The Horizontal Emplacement and Retrieval Equipment (HERE) (Figure A2-15) or functionally equivalent equipment (e.g., Figure A2-15a) ...”

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