

**From:** Timothy Johnson  
**To:** PHILLIP BARR  
**Date:** 7/26/05 8:50AM  
**Subject:** Re: water tables and Les

The map that you provided is for the Pecos River Basin alluvial aquifer (PRBAA) and was obtained from the U.S. Geological Survey's "Groundwater Atlas for the United States" (<http://capp.water.usgs.gov/gwa/gwa.html>). The PRBAA is distinct from the Ogallala/High Plains Aquifer (maps of which you had previously provided).

As discussed in the accompanying text for the PRBAA (see [http://capp.water.usgs.gov/gwa/ch\\_c/C-text1.html](http://capp.water.usgs.gov/gwa/ch_c/C-text1.html) and [http://capp.water.usgs.gov/gwa/ch\\_e/E-text3.html](http://capp.water.usgs.gov/gwa/ch_e/E-text3.html)), the aquifer "underlies approximately 5,000 square miles in parts of Andrews, Crane, Ector, Loving, Pecos, Reeves, Ward, and Winkler Counties[, Texas]," and "a small part of [the] ... aquifer ... is present in extreme southeastern New Mexico ..."

The map of the PRBAA that you provided implies that the PRBAA extends into Lea County, New Mexico, and would be present at the site proposed for the National Enrichment Facility (NEF). It is important to note however, that this map is at a very large scale (1:12,000,000) and that the accompanying text discussion is not specific about the exact extent of the PRBAA in New Mexico.

In addition, Louisiana Energy Services (LES) has conducted groundwater investigations in support of its application to NRC to construct and operate the NEF. Based on these site investigations, limited groundwater was encountered initially at approximately 220 feet below ground surface and again at approximately 600 feet below ground surface. The first occurrence, however, beneath the proposed NEF site of a well-defined aquifer capable of producing significant volumes of water was at more than 1100 feet below the ground surface. Discussion of LES's groundwater investigations and the NRC staff's independent evaluation is contained in Chapters 3 and 4 of NUREG-1790, "Environmental Impact Statement for the Proposed National Enrichment Facility in Lea County, New Mexico." NUREG-1790 can be viewed at <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1790/>.

Based on these results of LES's site groundwater investigations and the NRC staff's independent evaluations, the NRC staff has concluded that an alluvial aquifer, like the PRBAA, is not present beneath the proposed NEF site.

>>> "PHILLIP BARR" <pharb2@msn.com> 07/13/05 12:16 AM >>>

Another map for the NRC. And it disagrees with yours.

I'll resend this one around with all the NRC addresses on it..

I'm not an environmentalist, but I've seen what cancer can do to people. What's involved with Les can cause cancer.

Maybe Governor Richardson doesn't care about the people here, but I do.

Phillip Barr  
Lea County

----- Original Message -----

From: PHILLIP BARR<<mailto:pharb2@msn.com>>  
To: Phillip Barr<<mailto:pharb2@msn.com>>  
Sent: Tuesday, July 12, 2005 8:08 PM  
Subject: Pecos River Basin alluvial aquifer extent

[http://capp.water.usgs.gov/aquiferBasics/ext\\_pecos.html](http://capp.water.usgs.gov/aquiferBasics/ext_pecos.html)<[http://capp.water.usgs.gov/aquiferBasics/ext\\_pecos.html](http://capp.water.usgs.gov/aquiferBasics/ext_pecos.html)>

<<http://www.usgs.gov/>>

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<<http://capp.water.usgs.gov/aquiferBasics/index.html>> Pecos River Basin  
alluvial aquifer<<http://capp.water.usgs.gov/aquiferBasics/pecos.html>>  
National Atlas of the United States

Aquifers on National Atlas Map  
Browser<<http://nationalatlas.gov/natlas/natlasstart.asp?AppCmd=AQMAP>>

Aquifers' Data  
and Description<<http://www.nationalatlas.gov/mld/aquifrp.html>>

Aquifer Wall Map<<http://www.nationalatlas.gov/wallmaps.html#aquifers>>

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USGS links  
Water Resources<<http://water.usgs.gov/>>

Ground-Water Information<<http://water.usgs.gov/ogw>>

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U.S. Department of the Interior, U.S. Geological Survey  
Send your comments to: CAPP Webteam<[mailto:gs-w-capp\\_webmaster@usgs.gov](mailto:gs-w-capp_webmaster@usgs.gov)>  
For more information contact: Office of Ground Water<[mailto:ogw\\_webmaster@usgs.gov](mailto:ogw_webmaster@usgs.gov)>  
Last modified: Monday, 31-Jan-2005 15:36:00 EST  
Privacy Statement<<http://www.usgs.gov/privacy.html>> ||  
Disclaimer<<http://www.usgs.gov/disclaimer.html>> ||  
Accessibility<<http://www.usgs.gov/accessibility.html>>  
URL: [http://capp.water.usgs.gov/aquiferBasics/ext\\_pecos.html](http://capp.water.usgs.gov/aquiferBasics/ext_pecos.html)

**Mail Envelope Properties** (42E6313D.400 : 10 : 412)

**Subject:** Re:  
**Creation Date:** 7/26/05 8:49AM  
**From:** Timothy Johnson

**Created By:** TCJ@nrc.gov

**Recipients**

msn.com  
pharb2 (PHILLIP BARR)

**Post Office**

**Route**  
msn.com

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	15549	07/26/05 08:49AM

**Options**

**Expiration Date:** None  
**Priority:** Standard  
**Reply Requested:** No  
**Return Notification:** None

**Concealed Subject:** No  
**Security:** Standard

**Mail Envelope Properties** (42E631B3.63B : 10 : 412)

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<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	8768	07/26/05 08:50AM

**Options**

**Expiration Date:** None  
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**Return Notification:** None

**Concealed Subject:** No  
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