

EXHIBIT A

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SUPERIOR COURT OF THE STATE OF CALIFORNIA
FOR THE COUNTY OF SANTA CLARA

ANTELOPE VALLEY) Santa Clara Case No.
GROUNDWATER CASES,) 1-05-CV-049053
) VOLUME I

Deposition of JUNE A. OBERDORFER, Ph.D., at
301 North Lake Avenue, 10th Floor, Pasadena,
California, commencing at 11:02 a.m., Thursday,
November 4, 2010, before Janice Schutzman,
CSR No. 9509.

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1 that there was significant subsidence anywhere in
2 the Antelope Valley adjudication area?

3 A. You know, it's continuing, so it would
4 depend on what your definition of "significant" is.

5 Most of the subsidence took place, I think, 02:13PM
6 in the '60s and '70s, and it's been tapering off
7 since then.

8 Q. Are you aware of any locations that
9 currently are experiencing subsidence?

10 A. I don't think I've seen any data since the 02:13PM
11 '90s since USGS looked up through that period. So
12 for the last 10 or 15 years, I haven't seen -- they
13 did some, I think, Lidar studies, so radar studies,
14 but that was looking more at short term, sort of
15 seasonal subsidence in response to pumping, not long 02:13PM
16 term.

17 Q. When you say "they," who do you mean?

18 A. USGS, I think.

19 Q. In the work that you've done at the Air
20 Force Base, have you observed any recent 02:13PM
21 subsidence --

22 A. Haven't --

23 Q. -- say within the past 10 years?

24 A. I haven't really worked down in that area,
25 so no. 02:14PM

1 Q. Has anyone told you that there's been any
2 subsidence in the past 10 years?

3 A. Nobody has told me that. I'm trying to
4 remember. The USGS did a study -- I think they
5 actually put in extensometers, late 1990s, early 02:14PM
6 2000s, and I can't remember -- there was some small
7 amount, but I can't remember the quantities or the
8 exact dates.

9 Q. Earlier, you described -- I believe the
10 term was "significant negative consequences." This 02:15PM
11 was taken from your first report -- or negative
12 consequences. You described them as falling water
13 levels, pumps going dry, land subsidence and
14 degradation of water quality.

15 Do you remember when we discussed that? 02:15PM

16 A. Yes.

17 Q. Are you aware of any pumps going dry
18 anywhere in the Antelope Valley adjudication area?

19 A. No.

20 Q. Are you aware of any degradation of water 02:15PM
21 quality issues in the Antelope Valley adjudication
22 area within, say, the past 10 years?

23 A. No. I guess with the caveat that there's
24 the whole arsenic level in the north Muroc Basin,
25 but that's not necessarily degradation. That's 02:16PM