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7

8 **SUPERIOR COURT OF THE STATE OF CALIFORNIA**

9 **COUNTY OF LOS ANGELES**

10 **ANTELOPE VALLEY GROUNDWATER**  
11 **CASES**

12 Included Actions:  
13 Los Angeles County Waterworks District No.  
40 v. Diamond Farming Co., Superior Court of  
14 California, County of Los Angeles, Case No.  
BC 325201;

15 Los Angeles County Waterworks District No.  
16 40 v. Diamond Farming Co., Superior Court of  
California, County of Kern, Case No. S-1500-  
17 CV-254-348;

18 Wm. Bolthouse Farms, Inc. v. City of  
Lancaster, Diamond Farming Co. v. City of  
19 Lancaster, Diamond Farming Co. v. Palmdale  
Water Dist., Superior Court of California,  
20 County of Riverside, Case Nos. RIC 353 840,  
RIC 344 436, RIC 344 668  
21

Judicial Council Coordination No. 4408

CLASS ACTION

Santa Clara Case No. 1-05-CV-049053  
Assigned to The Honorable Jack Komar

**SECOND SUPPLEMENTAL  
DECLARATION OF MAT HAVENS  
OF ANTELOPE VALLEY JOINT  
UNION HIGH SCHOOL DISTRICT IN  
LIEU OF COURT TESTIMONY FOR  
PHASE VI TRIAL REGARDING  
SCHOOL DISTRICT'S 2000-2004  
PRODUCTION/PUMPING**

22  
23 **DECLARATION**

24 I, Mat Havens, declare:

25 1. I am the Director of Facility, Acquisition and Development for the Antelope Valley  
26 Joint Union High School District ("District"), a public entity and a party to this action. In lieu of  
27 court testimony for the Phase VI trial, I am providing this declaration. I have personal knowledge  
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1 of each fact herein and would testify competently thereto under oath.

2 2. This declaration is made as a second supplemental declaration to my original  
3 declaration in lieu of testimony filed January 31, 2013, and supplemental declaration in lieu of  
4 testimony filed May 24, 2013, and is made upon new evidence which was not available to the  
5 District at the time of those filings.

6 **Relevant Property and Parcel Descriptions**

7 3. I previously set forth a full description of the District's property and parcels in my  
8 previous declarations. For purposes of calculating the historical water pumping from 2000  
9 through 2004 at the location of the District's operational well and the potential pumping from a  
10 second, operational well, the following parcels have been considered:

| 11 Site Name                   | 12 Address                                    | 13 APN No.                     | 14 Total Acres   | 15 Irrigated Land Acres of grass/turf                               | 16 Existence of Pump   | 17 Purchase Water                     |
|--------------------------------|---|--------------------------------|------------------|---|--|---------------------------------------|
| 18 Quartz Hill High School     | 19 6040 West Avenue L, Quartz Hill, CA 93535  | 20 3204-004-901                | 21 80 +/- acres  | 22 25.77 acres irrigated by well.<br>23 7.87 not irrigated by well. | 24 Yes, operational and used to irrigate grass fields only.        | 25 Yes (from Water Works District 40) |
| 26 Antelope Valley High School | 27 44900 Division Street, Lancaster, CA 93535 | 28 3142-009-901; 3142-009-905; | 58.05 +/- acres. | 20.64 acres (not irrigated by well.)                                | Yes, operational but only turned on occasionally to test the pump. | Yes (from Water Works District 40)    |
| Palmdale High School           | 2137 E. Ave R Palmdale, CA                    | 3108-028-901<br>3108-028-903   | 62.90 +/- acres  | 28.41 +/-   | No   | Yes (from Palmdale Water District)    |

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1           4.       As previously set forth in my prior declarations, the District possesses a total of  
2 five wells on its various properties. Of the five wells, two have operational pumps. Of those two  
3 operational pumps, only the pump at Quartz Hill High School is regularly used for the irrigation of  
4 grass playing fields and similar areas.

5           5.       The first operational pump is located at Quartz Hill High School is located at 6040  
6 West Avenue L, Quartz Hill, CA 93535 and has an APN number of 3204-0004-901. The pump  
7 on this property has no meter. The pump is used to irrigate approximately 25.77 acres of land  
8 primarily during the summer and occasionally in the winter, dependent on the weather. Other than  
9 pumping to irrigate grass areas, the District does not utilize the pumped water for this site and  
10 purchases water for other uses, just like any other purchasing household/business.

11           6.       The District further possesses an operational pump at Antelope Valley High  
12 School, which is located at 44900 Division Street, Lancaster, CA 93535 and has APN numbers of  
13 3142-009-901 and 3142-009-905. This property has an operational pump but the District not use  
14 well water at this site and, instead, purchases water from LA County Water Works. Occasionally,  
15 the pump will be turned on to ensure that it is still functioning and operational and there are no  
16 breaks and leaks in the equipment.

17 **2000-2004 Water Usage Estimation**

18           7.       Because the pump at Quartz Hill High School did not have a meter during the years  
19 which are relevant in this case, the District has been required to estimate its historical usage at this  
20 property. In a prior declaration, I set forth an estimate for the 2011 and 2012 calendar years by  
21 reviewing the water usage records for Palmdale High School, a property on which the District  
22 irrigates grass areas with purchased water. These figures were then extrapolated to Quartz Hill  
23 High School based on a comparison of overall acreage for the irrigated areas.

24           8.       In my previous declaration and based on a comparisons of figures for Palmdale  
25 High School in 2011 and 2012 calendar year only, the District estimated the following water pump  
26 production for Quartz Hill High School:

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| Site Name               | Address                                   | APN No.      | Total Acres  | Irrigated Land Acres          | Pump Production per Year (Estimated)                   |
|-------------------------|---|--------------|--------------|-------------------------------|--|
| Quartz Hill High School | 6040 West Avenue L, Quartz Hill, CA 93535 | 3204-004-901 | 80 +/- acres | 25.77 acres irrigated by well | 2011 – 63.50 acre feet.<br><br>2012 – 70.74 acre feet. |

9. At the time of my previous declaration, the District did not have any purchased water information for the period of 2000 through 2004 on which it could estimate pump production for Quartz Hill High School. Such records were no longer maintained by the District and the District was required to request said records from Waterworks District 40. As of the time I had finalized my last declaration, no such records had been provided.

10. Since that time, I have acquired usage records for Palmdale High School for the years 2000 through 2004. A copy of these records is attached to this Second Supplemental Declaration as exhibit M.

11. The bills for Palmdale High School are an appropriate reference for drawing a comparison and calculating an estimate of pumping at Quartz Hill High School. The schools are of comparable size, soil, and vegetation. Palmdale High School has no pumps on its premises and its purchased water usage can be used to estimate the general water production at Quartz Hill High School.

12. Based on the water usage numbers reflected in the billing for Palmdale High School, I have calculated the following water usage, as expressed by acre feet (AF) per acre of irrigated land:

| Site Name | Address | APN No. | Total Acres | Irrigated Land | Pump Production |
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|                         |   |              |              | Acres                         | per Year<br>(Estimated)   |
|-------------------------|---|--------------|--------------|-------------------------------|---|
| Quartz Hill High School | 6040 West Avenue L, Quartz Hill, CA 93535 | 3204-004-901 | 80 +/- acres | 25.77 acres irrigated by well | 2000 – 90.45 acre feet.<br>2001 – 61.07 acre feet.<br>2002 – 76.54 acre feet.<br>2003 – 75.76 acre feet.<br>2004 – 89.94 acre feet. |

Attached as exhibit N to this Second Supplemental Declaration are the calculations generated by the District to arrive at the estimated well production at Quartz Hill High School for the 2000 through 2004 calendar years.

13. The School District utilized the following methodology as set forth in exhibit N:

(a) The District determined that Palmdale High School was the most similar school to the sites with operational wells with pumps (Quartz Hill High School and Antelope Valley High School).

(b) Utilizing Palmdale High School’s 2000 through 2004 purchased water bills, the District calculated the total water consumed.

(c) The District then looked at the water in January of each year in order to calculate a “domestic” water usage for that calendar year. “Domestic” water usage is the water used to run a school site other than for irrigating its property. The District irrigates minimally, if at all, during January due to cold and freezing temperatures. Thus, January’s purchased water numbers primarily represent domestic usage. January’s numbers were multiplied by 12 (representing the twelve months of the year).

(d) A total yearly amount of water used for irrigation purposes was

1 then calculated by subtracting the annual “domestic” water usage from the total  
2 purchased water.

3 (e) The total water usage, which is expressed in cubic feet, was then  
4 converted into acre feet based on the following calculation:

5  $1 \text{ acre foot (AF)} = 43,560 \text{ cubic feet (CF)}$

6 The resulting number was then divided by the irrigated land for Palmdale High  
7 School (which is 28.41 acres) to obtain an average AF per acre of land.

8 (f) The average AF/acre was used as multiplier to calculate the  
9 estimated production of water at Quartz Hill High School and estimated/potential  
10 production of water Antelope Valley High School (the two School District sites  
11 with wells and operational pumps (but no meters).

12 14. As noted, exhibit N also includes the total calculation of estimated water that would  
13 have been used historically if both the Quartz Hill High School and the Antelope Valley High  
14 School pumps had been operational. The District believes that these combined numbers should be  
15 considered in evaluating the total pumping potential for the District based on existing operational  
16 wells and for purposes of reaching the physical solution and allocation of pumping rights in this  
17 matter.

18 I declare under penalty of perjury under the laws of the State of California that the  
19 foregoing is true and correct.

20 Executed this 6th day of October 2015, at Lancaster, California.

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MAT HAVENS

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