



0000005534



**Peter M  
Groundwater  
Consulting, Inc.**

### Fax Transmission

To: Larry Robertson/Munger Chadwick

From : Peter Mock

Company :

Company : Peter Mock Groundwater Consulting, Inc.

Fax Number : 15207471550

Voice : 602-331-0343

Pages including this cover page: 3

Date : 9/18/2000

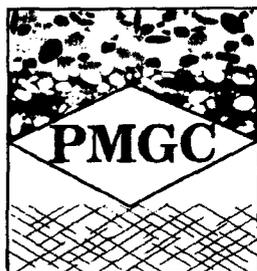
**Subject : Sempra ACC Siting Committee**

#### Message:

Larry-

Here is the letter we spoke of by telephone last week.

Sincerely,  
Peter Mock



## Peter Mock Groundwater Consulting, Inc.

- ◆ Studies ◆ Simulations ◆ Reviews ◆ Communications ◆
- Strategic Advances ● Advanced Technical Tool Development ●

September 18, 2000

BY FACSIMILE - ORIGINAL SENT TODAY BY REGULAR MAIL

Mr. Larry Robertson  
Munger Chadwick, P.L.C  
333 N. Wilmot Road, Suite 300  
Tucson, Arizona 85711

**Subject: Comment on: "Hydrologic Review of Sempra Energy Resources Power Plant Application, Docket Number L-0000S-00-0101", Memorandum from Dale Mason of ADWR to Dennis Sundie and Greg Wallace of ADWR, dated August 31, 2000**

Dear Mr. Robertson:

I received a copy of the above-referenced memorandum at the September 6, 2000 hearing of the Arizona Corporation Commission Power Plant Siting Committee. At that time, I quickly read the memorandum and did not have any comments on it. The document was subsequently entered as an exhibit at the hearing.

After returning from the hearing, I read through the memorandum again and noted four numbers incorrectly referenced from the subject of the review ("Evaluation of Groundwater Responses to Pumping for Proposed Power Plants in the Centennial Wash Area, Maricopa County, Arizona Model Simulation Report", dated July 7, 2000). Specifically, in paragraph two of page three of the memorandum, volumes in units of acre-feet per year (ac.-ft./yr.) are ascribed to individual water uses. Actually, these volumes are total pumping volumes per year assumed for all uses in the Centennial Wash Area. I reproduce Table 7 from the model simulation report below in its entirety and add shading to assist in the clarification:

Table 7 Pumping Rates Used for Future Scenarios (ac.-ft./yr.) (from "Evaluation of Groundwater Responses to Pumping for Proposed Power Plants in the Centennial Wash Area, Maricopa County, Arizona Model Simulation Report", July 7, 2000)						
Scenario	Duke Property	Pinnacle West Property	Sempra Property	Power Plant Properties Total	Other Pumping	Total Pumping
1	6,800	3,400	8,000	18,200	4,400	22,600
2	11,200	5,000	15,000	31,200	4,400	35,600
3a	3,400	1,600	4,600	9,600	4,400	14,000
3b	6,000	2,700	8,100	16,800	4,400	21,200
4	3,100	0	0	3,100	4,400	7,500

Page 2 Monday, September 18, 2000

In the model simulation scenarios, there are differences between the amounts of water pumped from the power plant properties and the total amounts of water pumped from the Centennial Wash Area. The scenario of proposed power plant operation using Type I water rights (Scenario 1) comprises 18,200 ac.-ft./yr. of pumping from the proposed power plant properties for the proposed power plants and 4,400 ac.-ft./yr. of pumping from existing, surrounding groundwater uses (per ADWR records for the 1990s) for a total of 22,600 ac.-ft./yr. The return to full agricultural production (Scenario 2) comprises 31,200 ac.-ft./yr. of pumping on the proposed power plant properties for agricultural use and 4,400 ac.-ft./yr. of pumping from existing, surrounding groundwater uses for a total of 35,600 ac.-ft./yr. The urban development scenarios comprise 9,600 ac.-ft./yr (Scenario 3a) or 16,800 ac.-ft./yr (Scenario 3b). of pumping from the proposed power plant properties for municipal use and 4,400 ac.-ft./yr. of pumping from existing, surrounding groundwater uses for totals of 14,000 ac.-ft./yr or 21,200 ac.-ft./yr, respectively.

I bring this to your attention to clarify in particular that the proposed power plants together will have estimated Type I water rights of 18,200 ac.-ft./yr., and that 18,200 ac.-ft./yr. is the pumping quantity used in the model simulation for proposed power plant pumping. Together with the pumping of existing, surrounding users at 4,400 ac.-ft./yr., total pumping for the Centennial Wash Area during proposed power plant operation was simulated at 22,600 ac.-ft./yr. Please call me if you have any questions.

Sincerely,



Peter A. Mock, Ph.D., R.G.  
President and Principal Hydrologist/Geologist  
Peter Mock Groundwater Consulting, Inc.