

**BEFORE THE STATE ENGINEER, STATE OF NEVADA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES,  
DIVISION OF WATER RESOURCES**

IN THE MATTER OF APPLICATION  
NOS., 53987 through 53992, INCLUSIVE,  
FILED BY SOUTHERN NEVADA WATER  
AUTHORITY TO APPROPRIATE THE  
UNDERGROUND WATERS OF THE  
CAVE VALLEY, DRY LAKE VALLEY,  
AND DELAMAR VALLEY  
HYDROGRAPHIC BASINS  
(108, 181, 182)  
LINCOLN COUNTY, NEVADA VALLEY

**WITNESS LIST OF SOUTHERN  
NEVADA WATER AUTHORITY  
FOR HEARING ON  
FEBRUARY 4, 2008**

COMES NOW, SOUTHERN NEVADA WATER AUTHORITY (SNWA), by  
and through its attorneys, PAUL G. TAGGART, ESQ., of the law firm of TAGGART &  
TAGGART, LTD., and MICHAEL VAN ZANDT, ESQ., of the law firm MCQUAID  
BEDFORD & VAN ZANDT LLP., and submits its witness list, summary of witness  
statements, and exhibit list for the hearing to be conducted by the State Engineer  
beginning February 4, 2008.

1. **Kayrene Brothers.** Ms. Brothers is the Deputy General Manager of the  
Engineering and Operations Departments of the SNWA. Ms. Brothers may testify  
regarding chronology of activities that culminated in the filing of the subject applications,  
and the SNWA and LVVWD efforts that have occurred since the filing to development  
these water resources. She may testify regarding the purpose, need and financial  
feasibility of the project. Ms. Brothers may testify regarding the past and present  
development of water resources in Las Vegas Valley and the development of water  
resources in municipalities across the United States. She may testify to the SNWA

management plan for the subject project. She may testify regarding the importance of the subject water development project to the future of Nevada and how the project will not threaten to prove detrimental to the public interest in Nevada. She may testify regarding the use of the water resources in the subject project in conjunction with other water resources in the SNWA portfolio, including Colorado River water resources that presently exist or may be secured in the future, to meet the future needs of southern Nevada. Ms. Brothers may testify regarding the recommendations from the Integrated Water Planning Advisory Committee. She also may testify regarding the project's compliance with Nevada's interbasin transfer statute.

**2. Kenneth Albright, P.E.** Mr. Albright is the Groundwater Resource Director for the SNWA. Mr. Albright may testify regarding the water resource plan of the SNWA. Mr. Albright may testify concerning how the SNWA Groundwater Development Project will be implemented in Cave Valley, Dry Lake Valley and Delamar Valley (DDC Valleys). Mr. Albright may testify about stipulations, agreements, and memoranda of understanding related to DDC Valleys. Mr. Albright may testify with regard to the SNWA and LVVWD efforts that have occurred since the filing of the Applications related to the development of these water resources and the environmental compliance efforts undertaken to satisfy state and federal requirements and concerns. He may testify concerning water shortage allocations for the Colorado Basin states, and current water resource conditions. He will testify about the statutory criteria that SNWA will address in its presentation.

**2. John Enstminger.** Mr. Enstminger is Deputy General Counsel for SNWA. Mr. Enstminger may testify regarding the Cooperative Agreement Among

Lincoln County, the Southern Nevada Water Authority and the Las Vegas Valley Water District, and how that agreement effects the development of the water resource under the SNWA applications.

3. **Andrew Burns.** Mr. Burns is a Senior Hydrologist for the SNWA. Mr. Burns may testify regarding SNWA's water resource assessment for the DDC Valleys. He may summarize the results of previous investigations and data compilations, and the methodologies SNWA used in the DDC Valleys water resources assessment. He may testify regarding precipitation, natural recharge, recharge efficiency and distribution, perennial stream flows, spring flows, water level data, evapotranspiration, groundwater occurrence and movement, interbasin flows, water resources and the groundwater budget. Mr. Burns may testify to perennial yield, the existence of unappropriated groundwater, and committed and uncommitted groundwater resources. Mr. Burns may testify concerning the inventory of private lands in the DDC Valleys, and land use and water resources plans in Lincoln and White Pine Counties, and water needed for basin of origin purposes. Mr. Burns may testify regarding the SNWA data used in his analysis, and the geologic framework as it relates to the potential water related effects from the subject project.

4. **James M. Watrus.** Mr. Watrus is a Hydrologist and Geologist for the SNWA who may testify about the geological framework as it relates to SNWA's effects analysis in DDC Valleys. Mr. Watrus may also testify about existing water rights and water uses, spring and well information, aquifer properties and the potential water related effects (Theis analysis) as applied to water rights and sensitive environmental resources. Mr. Watrus may testify concerning the analysis of land use maps, inventory of private

lands in DDC Valleys, and the analysis of land use and water resources plans in Lincoln and White Pine Counties.

5. **Zane Marshall.** Mr. Marshall is a Senior Biologist who may testify regarding environmental resources located in the DDC Valleys. He may testify concerning groundwater project environmental compliance, biological studies and surveys, environmental setting, and potential effects to species and habitats.

6. **R. Michael Turnipseed, P.E.** Mr. Turnipseed is a former Nevada State Engineer and may testify regarding the historic development of groundwater rights in Nevada, and the application of the previous decisions of the State Engineer to the SNWA applications in the DDC Valleys. Mr. Turnipseed may testify regarding interbasin transfers in Nevada and the municipal development of water resources in Nevada. He may testify about perennial yield and unappropriated water rights in the DDC Valley, and the reasonable lowering of the static water level. He may testify concerning basin of origin considerations, domestic wells, spring sources, interbasin flows, basin boundaries, and potential effects from groundwater pumping. He may testify regarding geologic map and aerial photo analysis and interpretation. He may testify regarding the application of the public interest factors to determine whether the applications are in the public interest.

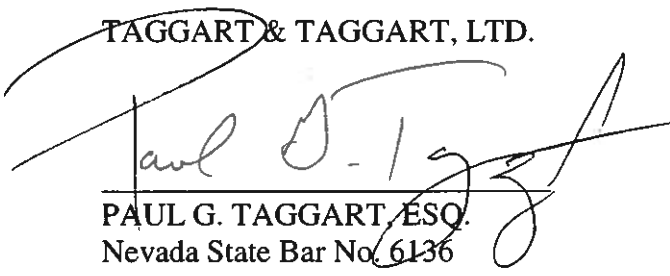
7. **Gary Dixon.** Mr. Dixon is a Geologist and who may testify about the Geologic and Hydrogeologic Framework of DDC Valleys. He may summarize the results of previous investigations and data compilations, and will testify regarding the methodologies that were used in his analysis. He may testify regarding geologic formations as they relate to stream flows, spring flows, water level data, groundwater occurrence and movement, interbasin flows, water related effects, water resources and the

groundwater budget. He may testify about geophysics, including gravity studies, audiomagnetotellurics, seismic studies and seismic reflection.

8. **James Thomas, Ph.D.** Dr. Thomas is a Hydrologist and Hydrogeologist who may testify concerning evaluation of water budgets for the White River and Meadow Valley Wash Regional Groundwater Flow Systems using stable isotope analysis methods and computer modeling. He may testify concerning his data compilation, sampling, methods, and analysis. He may testify concerning recharge area isotopic variability, mass balance models, flow system water chemistry, isotopic mass balance model sensitivity, and comparison to other studies.

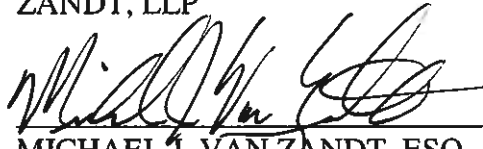
Submitted this 15<sup>th</sup> day of November, 2007

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