

November 18, 2011

Brian Hawkes
10621 Heritage Hills Drive,
Las Vegas, NV 89134

Susan Joseph-Taylor
Chief Hearing Officer, Office of the State Engineer
901 S. Stewart St, Suite 2002
Carson City, NV 89701

Subject: Southern Nevada Water Authority "Pipeline Project"

Good morning Susan Taylor. I am a Senior Manufacturing Engineer "Aerospace" currently un-employed, and have taken up an interest in reading up on the progress from time to time on articles in the Las Vegas Review Journal. The answer to our water crisis lies in the climatic and geological processes that make up the earth's **Natural Water System** and how to maintain it.

Current Conditions.

- Lake Mead has been showing signs of gradual drought for decades due climatic changes that run in cycles which affect neighboring states up-stream that supply the Colorado river.
- Population increases in Las Vegas are also affecting Lake Mead water levels.

Proposed Projects.

- SNWA Pipeline Project. \$7.3 billion in cost, and \$8 billion in interest.
- Buying water (100,000 acre-feet per year).
- SNWA Ground Water Development Project (Water Grab).
- City planning approving water park projects for both downtown Las Vegas and Henderson.

Current Projects.

- Third Intake Pipe Project. \$800 million in cost at completion 2014.

RECEIVED
2011 NOV 21 PM 1:55
STATE ENGINEER'S OFFICE

Final Analysis.

Faced with the decision of water exportation from the Great Basin and Interior Department Agencies concerns of future ecology deterioration. The following is my un-bias opinion what should be considered for the good of man-kind and ecology for the near and distant future that should have been implemented years ago.

- Negotiate a partnership program with California and Texas who have similar water problems.
- Research and implement the best engineered desalination plant in the world, improve on lessons learned.
- Geographically locate desalination plants preferably by power plants namely San Onofre for California, and Texas somewhere in the Gulf of Mexico. Pumping station locations to best serve environment laws.
- Use Alaska Pipe Line Project as a guide to then development costs and lessons learned.

Respectfully,



Brian Hawkes

cc: Jason King. State Engineer.

RECEIVED
2011 NOV 21 PM 1:55
STATE ENGINEER'S OFFICE