

**Appendix L**  
**Water Resources Information**



February 3, 2006

Mr. Henryk A. Olstowski, P.E.  
General Superintendent, Power Generation  
Imperial Irrigation District  
485 East Villa Road  
El Centro, CA 92243

Re: Water Supply for the Niland Gas Turbine Plant Project

Dear Henryk:

Thank you for your request for water supply from Golden State Water Company for Imperial Irrigation District's (IID) future Niland Gas Turbine Plant Project ("Project") near Niland, CA. We understand that this water is requested for industrial and potable uses at the Project site.

We have evaluated our ability to provide service to the future Project under our current tariff, R3-1. Under normal operating conditions, we understand that the Project's water requirements will be less than 40 gpm (average demand). We understand the maximum daily water consumption of the Project during normal operations to be less than 60,000 gallons per day.

Under an emergency event, fire water storage replenishment into on-site storage tanks could demand a water flow of up to 450 gpm. Depending on the final design of the fire protection system, it is understood that this emergency water requirement could fluctuate. The current proposed design communicated to Golden State incorporates a 400,000 gallon water storage tank, of which 216,000 gallons is reserved for fire protection.

Water capacity to serve the Project is readily available. Golden State Water Company has 2.0 million gallons of storage at their plant northeast of the Project site and system wide storage capacity of 4.2 million gallons. During peak water supply conditions, the current customers on the Niland system demand approximately 1.03 million gallons per day and the average annual daily water consumption on the Niland system has been 0.54 million gallons per day.

The Project proposes to interconnect to the Golden State Water Company system via an 8" tap on the 12" water main that crosses the IID property. Golden State is willing to design, construct and own the service lateral up to and including the meter set which will be located inside the Project's fence line in the northeast corner of the Project site. IID will provide gate access to the Golden State Water meter designated for the Project.

If IID advances the application for service and complies with all financial requirements in accordance with the tariff rules, Golden State Water Company is willing and able to serve the Project's water requirements.

Sincerely,

A handwritten signature in black ink, appearing to read 'John Kemp', with a long horizontal flourish extending to the right.

John Kemp  
Superintendent  
Calipatria/Niland CSA

cc: Baltazar Aguilera, Asst Project Manager  
Dana Diller, Project Manager

# ATS

## LABORATORIES

Lab no: 5867

Reported: 1-9-06

Imperial Irrigation District

Received: 12-6-05

Water

Niland Potable

	Results	Units	DLR	Method	Analyst/Date
Total Hardness	420	mg/l	1	2340	
Calcium	74	mg/l	1	3500CaD	
Magnesium	33	mg/l	1	3111B	
Sodium	125	mg/l	1	3111B	
Potassium	9.4	mg/l	1	3111B	
Total Cations	12.05				
Alkalinity	NA	mg/l			
Bicarbonates	134	mg/l	1	2320B	
Sulfate	250	mg/l	1	4500SO4	
Chloride	156	mg/l	1	4500CLB	
Nitrate (NO3)	0.22	mg/l	0.1	4500NO3E	
Fluoride	0.38	mg/l	NA	340.2	
Total Anions	11.81				
pH	7.84	Units	NA	4500HB	
Specific conductivity	1378	mic/cm	10	2510B	
Total dissolved solids	803	mg/l	1	2540C	
Color	ND	units	5	110.2	
Odor	ND	units	2	2150A	
Turbidity	0.2	NTU	0.1	180.1	
MBAS	ND	mg/l	0.5	5440C	
Aluminum	ND	mg/l	0.05	3120B	
Antimony	ND	mg/l	0.0063	120B	
Arsenic	ND	mg/l	0.002	3120B	
Barium	0.12	mg/l	NA	3120B	
Beryllium	ND	mg/l	0.0010	3120B	

# ATS

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# LABORATORIES

Lab no: 5867

Reported: 1-9-06

Imperial Irrigation District

Received: 12-6-05

Water

Niland Potable

	Results	Units	DLR	Method	Analyst/Date
Cadmium	ND	mg/l	0.001	3120B	11-22-05 JV
Chromium	ND	mg/l	0.010	3120B	11-22-05 JV
Copper	0.004	ug/l	NA	3113B	11-21-05 JV
Iron	ND	mg/l	0.05	3120B	11-22-05 JV
Lead	ND	ug/l	0.005	3113B	11-21-05 JV
Manganese	ND	mg/l	0.01	3120B	11-22-05 JV
Mercury	ND	mg/l	0.001	3120B	11-18-05 JV
Nickel	ND	ug/l	0.010	3120B	11-23-05 JV
Selenium	ND	ug/l	0.005	3113B	11-22-05 JV
Silver	ND	mg/l	0.01	3120B	11-22-05 JV
Thallium	ND	ug/l	0.001	279.2	11-22-05 JV
Zinc	ND	mg/l	0.05	3120B	11-22-05 JV
Boron	0.24	mg/l	NA	3120B	11-22-05 JV
Cyanide	ND	ug/l	0.020	4500CN-C-E	11-23-05 OJ
Vanadium	ND	mg/l	0.02	3120B	11-22-05 JV
Perchlorate	ND	ug/l	4	314	11-29-05

Portion of analysis by D Tek Analytical, copy of report enclosed.



Linda L. Webster  
Lab supervisor