



# CHEMEHUEVI INDIAN TRIBE

## *Chemehuevi Indian Reservation*

1980 Palo Verde Dr, Havasu Lake, CA 92363

Phone 760-284-3795x221

### IHS PROJECT PH23-W33, WA14-25 CHEMEHUEVI WELL SITE IMPROVEMENTS REQUEST FOR QUOTES

#### ADDENDUM #3

1. **Please confirm whether only a new actuator is required for the existing valve, or if a new valve is also required.**

*Existing Actuator will be replaced with new actuator. Gate valve and butterfly valve remains.*

2. **Please provide the existing valve type/material information.**

*Same as proposed equal – ACTUATOR AND REPLACE WITH NEW 6" ASAHI QUARTER MASTER SERIES 92 ELECTRIC ACTUATOR*

3. **Please provide the existing valve torque and actuator mounting information.**

*Torque is not known. Existing Series 92 valve is rated for 1100 in/lbs (see photo).*

4. **Please confirm required voltage for the new actuator.**

*Existing is 115VAC.*

5. **Please confirm whether the system flow rate is constant at 480 GPM during operation or variable throughout the operating period. If variable, please provide the minimum and average operating flow rates.**

*“The system flow rate is consistent once it is running, but there is a motor saver on the pumps, I believe. There might be a short period when the pumps start up as they ramp up and shut down. I think because of this, there is a delay in the chlorinator controls that doesn't let the chlorinator kick on until it is at a constant pressure.”*

*- Previous Water Department Supervisor at Chemehuevi*

6. **Please confirm whether the flow meter associated with the chlorination system provides a dry contact output or a variable 4-20 mA signal for pacing/control.**

*“The chlorination control panel appears to utilize relay-based control logic and is most likely configured for dry contact flow pacing/control rather than a variable 4–20 mA analog signal.”*

*- Current Water Department Supervisor at Chemehuevi*

7. **The chlorination supplier noted their vortex eroder requires a minimum raw water supply pressure of 30 PSI. The site survey form provided in Addendum No. 2 references pressure as low as 20 PSI. Please confirm the minimum available pressure at the point of connection and whether any booster pump provisions will be required.**

*The Utility reported the following pressure readings from a typical day of operation:*

*- Pumps Not Running: 20 PSI*

*- Pumps Running:*

- o Initial pressure surge to 62 PSI and then levels out between 50-55 PSI after 5 minutes.*





**END OF ADDENDUM #3**