

Starlight Water Company – Equipment Review

By Bruce Scott Abbe (T-3 Grade, Treatment Plant Operator, California State Water Resources Control Board) – I have been a treatment plant operator at the Cities of Yorba Linda and Anaheim, California and at the City of Boise, Idaho. I am familiar with wells, pumping systems and water treatment systems.

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I reviewed the equipment currently in use by the Starlight Water Company in Happy Jack, Arizona as requested.

The pumping, filtration, treatment and back-up power generation equipment all appears to be current and well maintained. Though the treatment protocols used in the Starlight Water Company facilities are far fewer than I am generally familiar with because of the quality of the water provided by the wells, it appears to be adequate based on testing, and has been adequate for well beyond the past decade.

Pumps, and their component parts, along with other equipment can last for a very long time without requiring replacement. The mean time to failure is very difficult to calculate, but pumps wear out in time. It appears that Starlight Water Co. has been attentive to the need to replace equipment as it needed to be.

I reviewed the maintenance schedule and replacement logs and they appear to be in keeping with what any water company would need to do over time.