

# 2022 Servicing the Water Wall

After six months, it was obvious that the water wall cooling system of the greenhouse needed some attention. On a Friday morning in mid December, the cardboard honeycomb panels were removed along with the metal pans located below them.

Lots of mineral deposits were shaken off the panels before carefully brushing the brittle units to get rid of as much of the white powder as possible.

The metal drainage pans required more elbow grease as the minerals had to be scrapped and chipped off.

The big surprise was in the large return pipe at the bottom of the unit. It was obvious that the “Arizona dust” was being drawn in and mixed with the water running over the cardboard panels when the system was in operation. This resulted in a thick layer of mud in the bottom of the pipe.

After Mike Anderson removed the mud and drained the storage tank, he installed a new pump as the first pump had already burned out since the system was running up to 22 hours in the hot summer months.

Finally, the bottom pans and cardboard panels were reinstalled, the tank filled with fresh water, and the cooling system was tested. This will probably become a twice-a-year process.

