

Water/Stormwater Recycling: Minnesota Twins Pitch Sustainability at Target Field



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The blog *Stormwater Report* references what the Minnesota Twins have described as the installation of a “Living Wall” system for Target Field.

The system described as a further commitment to sustainability because it will be self-irrigated via a Pentair rainwater recycling system.

The system is described as being 2,280 square feet and incorporating approximately 5,700 sea green juniper plants. The plants will be individually installed and secured in a tiered, multiple-tray system attached to the existing batter’s eye wall structure.

The *Stormwater Report* notes that Target Field already incorporates what is described as a “state-of-the-art rainwater recycling system.” It repurposes stormwater that falls over a 3-ha(7-ac) area covering the field and lower grandstands.

A prior Minnesota Department of Health article notes that Target Field’s ability to capture, treat and use rainwater reduces municipal water usage by more than 50 percent. It further states that:

The rainwater and irrigation water within the collection area percolates through Target Field’s underground drainage system and travels through a 12-foot diameter culvert, which runs under the warning track in the outfield, to a wet well beyond the outfield fence in the left-center field. Pretreatment consists of filtration, disinfection with ultraviolet (UV) light, and chlorination. The water is then filtered at a level of 0.01 micron using a hollow-fiber ultra-filtration (UF) system at a rate of approximately 125 gallons per minute.

Water is eventually sent to a holding tank and recirculated through another UV disinfection system to maintain water quality.

A link to the *Stormwater Report* article can be found [here](#) and the Minnesota Department of Health news release [here](#).