

Hyperion Water Reclamation Plant

Moyno 2000 Series pump chosen as preferred product for the City of Los Angeles

Background

The Hyperion Water Reclamation Plant, located in Los Angeles, California, has been operating since 1894 and is the second largest wastewater plant in the United States. It is one of four plants operated by Los Angeles City Sanitation, which serves a population of four million people. The facility pumps up to a million gallons of water per day during the wettest parts of the year from October through March.

Recently, Hyperion senior management tasked their engineering group to evaluate all progressive cavity pumps (PCPs) because they decided it was time to start replacing several of the Moyno 2000s due to many being in continuous service for 25-30 years, even though the Moyno 2000s were still running exceptionally well and required minimal amounts of maintenance. There are approximately 44 large Moyno 2000 pumps at the facility, more pumps than any other single plant in all of the United States. It was essential that they use a pump they could trust because of the consistently high volumes that they manage.

Solution

The engineering team at Hyperion wanted to conduct a test on competitor pumps, including pin-joint pumps, to ensure they possessed a better understanding of all their options. However, the Hyperion maintenance team requested that engineering not consider any other pump other than a direct replacement of the Moyno 2000 gear-joint pump because of its **low cost of ownership that includes reduced labor on pumps, a minimal amount and ease of maintenance, durability, ability to pump all materials**, and its **proven life span of 30-plus years**. Through experience, the maintenance team never considered choosing pin-joint pumps because of their short life span of roughly six – ten years along with a greater amount of maintenance required that increases the cost of labor, spare parts, and facility downtime. In the 30 years that the Moyno 2000 pumps have been in operation, the team has not had to replace any of the pumps and have had infrequent repairs. In the end, the Hyperion team recognized that the Moyno 2000 pumps, though a bit more expensive than the pin-joint pumps, saved the City of Los Angeles tens of thousands of dollars per pump over the pump's lifespan due to both reduced maintenance costs and lack of frequent pump replacement.

Hyperion Water Reclamation Plant awarded NOV a sole source contract to directly purchase Moyno pumps and parts because we provided them high performing equipment with the lowest total cost of ownership.

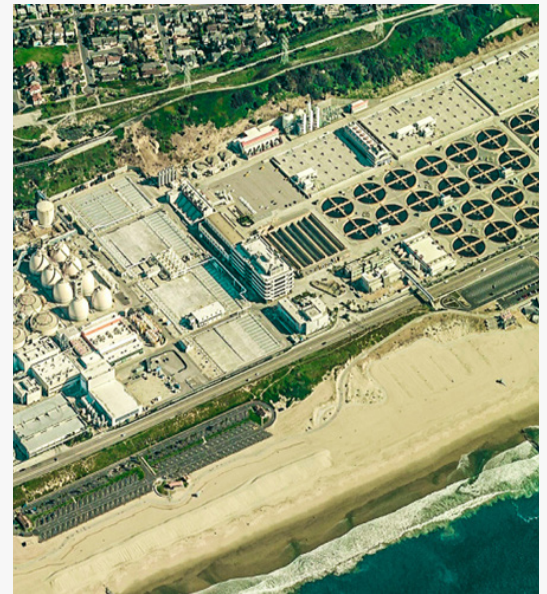
Case study facts

Location: Los Angeles, California

Products: Moyno 2000 series gear-joint pump

Results

NOV was chosen as the sole source provider for our Moyno 2000 series pump for a wastewater plant in Los Angeles, California, the second largest wastewater plant in the United States.



Case Study

Testimonial

“The Moyno 2000 pumps at our Hyperion Water Reclamation Plant are a trusted product that we know will keep getting the job done. We pump up to 300 million gallons per day (mgd) of water per day and up to 1,000 mgd during the wettest weather of the year, which means we can’t afford to have frequent maintenance issues due to using the wrong product. That is why we choose to once again use the durable and dependable Moyno 2000 pumps at the wastewater plant. Since we don’t have to spend much maintenance time on the Moyno’s 2000s, we can better employ our limited maintenance resources at other critical need applications.”

Mike Hernandez

Acting Wastewater Treatment Mechanic Supervisor



The Moyno 2000 2K800G1 offers the maximum combination of pressure and flow rate in comparison to any progressive cavity pump made. Installed in 1994, the pumps continue to deliver value by operating with minimal maintenance.