

Layfield awarded large CSPE floating cover project for the City of Seattle, Washington

Seattle, Washington – August 12, 2021

Layfield USA Corporation is pleased to announce the award for the supply and installation of a new CSPE liner and floating cover system for the Seattle Public Utilities Lake Forest Park Reservoir project in Washington State. The project is a unique and challenging double reservoir system with 60 million gallons of capacity. Each reservoir cell is approximately 200,000 ft² (18,600 m²), separated by a 25' (7.6 m) high vertical center wall divider. Construction started on May 28, 2021 and is scheduled to be complete by mid-October 2021.



The floating cover system consists of a 50 mil (1.25 mm) reinforced CSPE white-colored material using a defined sump design for the cover's tension and buoyancy. The liner material is a 45 mil (1.14 mm) CSPE white geomembrane. Brian Fraser, Layfield's Vice President of Geosynthetics, stated, "Seattle Public Utilities, after a detailed review of materials, chose the CSPE material based on its proven 45-year history and 30-year weathering warranty maintaining the highest standards for the residents of Seattle".

The CSPE material replaces a polypropylene material installed in 2006 and is no longer fit for repair due to stress cracking and aging.

CSPE (formerly Hypalon®) as a geomembrane was first developed in the mid-1970s. Over its 45-year product history, CSPE has proved to be an excellent material choice for long-term exposed applications for potable and wastewater storage. CSPE is recognized for its outstanding UV properties, chemical resistance, and material flexibility. An industry-leading 30-year weathering warranty backs CSPE. It is one of the few materials in the geomembrane industry with a 45-year performance history that has truly passed the test of time.

Floating covers are designed to protect water by eliminating evaporation and preventing dirt and debris from contaminating the water source. Floating covers and reservoirs are the most economical method for storing and treating large volumes of drinking water.

About Layfield: The Layfield Group is the only integrated organization that provides tailored polymer-based solutions that are proven to protect our families, communities and environment. Organized within a matrix management construct, we strategically invest in two complimentary business units; Geosynthetics and Flexible Films, each with their specialized market segments.