

Seattle Public Utilities



Darian Davis
SPU Security and Watershed Protection Manager

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Managing Access to Watersheds

The Cedar River Water System was developed by the City of Seattle in 1895. Almost 100%-owned by the city and under the management of Seattle Public Utilities (SPU), the watershed encompasses 90,638 acres of pristine forest land in the Cascade Mountains. The Cedar River Watershed along with the 12,500-acre South Fork Tolt River Watershed supply drinking water to 1.4 million people in the greater Seattle area.

Challenge: Securing a Watershed's Critical Assets

After 9-11, the Federal Government required SPU to undertake a utility-wide assessment to identify critical assets. The assessment revealed that the protection in place on the watershed needed some improvement. Darian Davis, SPU Security and Watershed Protection Manager, says, "We needed to track and electronically document traffic in and out of our facilities and watershed areas." The drinking water supply from the Cedar River is unfiltered so the watershed is completely closed to the public. No trespass of any kind is allowed. SPU was tasked with meeting Federal Critical Infrastructure Guidelines for municipal water supplies. With over 30 gate entrances on the Cedar River alone, this presented unique challenges.

Solution: CyberLock

After extensive research, SPU selected CyberLock to secure all the entrances to the watershed that could not be serviced with automated gates due to no available power and communication lines. In June, 2007, they proceeded to install CyberLock electronic padlocks on these remote watershed gates, storage units, and utility sheds. Since the initial installation, SPU has expanded the CyberLock system to include the 12,500-acre Tolt River Watershed due to similar challenges. A strong reason for implementing the CyberLock system was to maintain their Limited Alternative Filtration status on the Cedar. "CyberLock helps us comply with Department of Health regulations by maintaining a closed and secure watershed," says Davis.

The CyberLock system allows SPU additional control over the access of contractors, employees, and researchers throughout the watershed. "Being able to program each person's electronic key to open specific locks that allow them to do their job is a real benefit. Also, the audit trail the locks and keys provide is a good investigative tool when there is an incident on watershed property," says Davis. He adds, "CyberLock is an important part of Seattle Public Utility's security plan-of-action that enables our watersheds to meet Federal Guidelines for securing critical infrastructure."

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