

PRESS RELEASE

New system to help control land subsidence in Gulf Region:

Gulf coast water and wastewater management is now more effective when it comes to controlling land subsidence. A new subsidence monitoring system is being implemented by BirdNest for Severn Trent Environmental Services Gulf Region for their clients - water districts in the Gulf Region.

Complex government regulations and compliance systems have slowed this sinking trend, but these have become strained under continued development and water use in the region. The BirdNest system is a combination of innovations in field force automation, data acquisition and data management that are designed to monitor subsidence permits more effectively. This has traditionally been a complex operation involving many data sources and much paper.

BirdNest is a semi-automated system that helps organizations manage their subsidence permits in far less time than before. Facility operators that currently require many hours if not weeks of work can now update their reports in minutes using BirdNest.

Now each month with a few clicks of the mouse the BirdNest subsidence monitoring system updates the permit with the recent pumpage figures, builds the annual subsidence district report, and produces the bill that the district uses to pay the local water authority for their water usage.

This new integrated system saves a copy of completed-year results and resets for the next year, with a simple mouse click. This provides a snapshot for the year that is very valuable for subsidence control. This BirdNest system updates the annual subsidence authority report through December when it is saved and a copy of the completed-year is printed for submission to the local authority. The bill for payment to the local water authority is generated monthly or quarterly, per the local Water Authority and a copy of each period is saved for reference.

This system has been built to specification for Severn Trent Environmental Services Gulf Region. The initial system, subsidence permits for 65 Water Districts covers the water coming from 131 wells in the greater Houston region.

The Gulf Coast region of the US has been a hotbed of activity, regulations, and patchwork solutions surrounding the issue of subsidence for the last 30 years. Problems with these processes have been evident for the last 100 years.

For conservation efforts, environmental responsibility and cost-effectiveness, this is one of the many capabilities of BirdNest that will help ensure an adequate water supply into the future.

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