CYBERSECURITY

SAINT PAUL REGIONAL
WATER SERVICES

Riviera Beach, Florida Ransomware Attack: City Pays $600,000

A Riviera Beach, Florida, ransomware attack prom ... $600,000 to hackers in a bid to decrypt infec

Security

Water treatment plant hacked, chemical mix changed for tap supplies

Well, that's just a little scary

By John Leyden 24 Mar 201

Hackers infiltrated a wa... of chemicals being us...

News Feature | September 6, 2017

BWL paid $25,000 ransom after cyberattack

Ken Palmer, Lansing State Journal

Published 9:32 p.m. ET Nov. 8, 2016 | Updated 4:26 p.m. ET Nov. 10, 2016

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LANSING - The Lansing Board of Water & Light pai... a $25,000 ransom to unlock its internal communications systems after t... a cyberattack last spri...

BeaverCountian.com

HOME LOG IN SUBSCRIPTION ABOUT CONTACT

Iranian-Linked Cyber Army Had Partial Control Of Aliquippa Water System

By John Paul | Nov 25, 2023

PRESS RELEA...

Kansas Ma...

Thursday, Octob...

TOPEKA, KAN. – A Ka... ater treatment facility in Ellsworth County. Wy... ublic water system and one count of reckless damage to a protected computer system during unauthorized access.

...vestigate Aft...

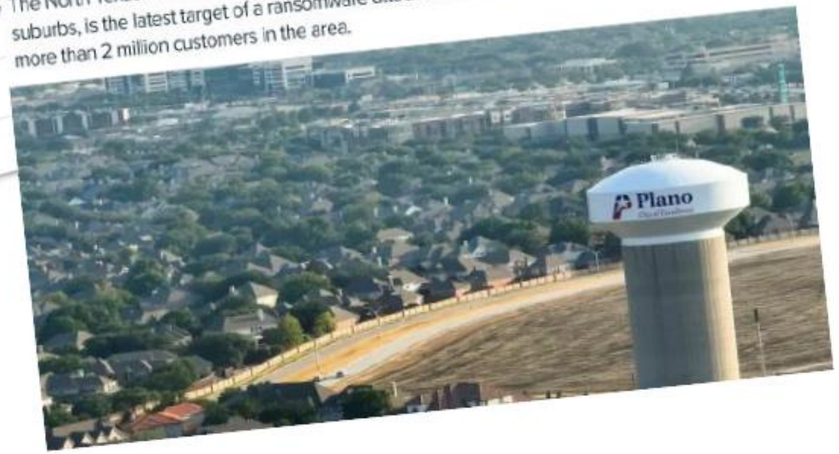
...officials are working with a North Car...

...ug

CYBERSECURITY

Large Texas Water Utility Hit With Ransomware Attack

The North Texas Municipal Water District, which supplies water to sprawling Collin County suburbs, is the latest target of a ransomware attack. The breach has not disrupted service to the more than 2 million customers in the area.



GEOPOLITICS

Mandiant: Noto… g unit linked to breach of Texas…

Researchers from the Googl… personas are linked to several recent attacks on critical inf…

BY AJ VICENS AND CHRISTIAN VASQUEZ …

Russia-linke… laims to have targeted Ind…

By Sean Lyngaas, CNN

2 minute read · Published 4…

Inc.

SECURITY

FBI Warns on Chinese Cyberattacks as Texas Towns Report Russian Hacks on Water Systems

State-backed attacks on U.S. infrastructure are increasing, and federal law enforcement calls out China's "Volt Typhoon" hacking campaign.

BY REUTERS

APR 19, 2024

FBI Director Christopher Wray. Photo: Getty Images

DATA DANGERS

Data Breaches:
Unauthorized access leading to confidential information exposure.

Malware Intrusions:
Covert software designed to disrupt computer systems.

Phishing Attacks:
Deceptive tactics aiming to trick users into revealing sensitive data.

Denial of Service Attacks:
Overwhelming a system with traffic to disrupt regular functionality.

CYBERSECURITY POLICY

- Gov Waltz Executive Order – August 30, 2022
- EPA Sanitary Survey Cyber Rule – March 2023
  - Legal challenge filed by MO, AR, IA, joined by AWWA, NRWA
  - Nationwide injunction July 12, 2023
  - Rule withdrawn October 12, 2023
- WH National Security Council Letter to Governors – March 28, 2024
  - Requested Governors provide a cyber plan by June 28, 2024
- America's Water Infrastructure Act §2013 round 2 pending
  - Enforcement action anticipated
- Cyber Incident Reporting for Critical Infrastructure Rule
  - Applies to DW & WW serving >3,300 people
  - Comments due July 3, 2024
  - Final rule by August 2025

LEGISLATIVE ACTION

- H.R. 7922, establish a Water Risk and Resilience Organization to develop risk and resilience requirements for the water sector – April 2024

- S. 660/H.R. 1367, Water System Threat Preparedness and Resilience Act – March 2023

CYBERSECURITY FRAMEWORK (NIST)

1. **IDENTIFY:** Understand our cybersecurity risks.
2. **PROTECT:** Implement safeguards to ensure delivery of critical services.
3. **DETECT:** Develop and implement appropriate activities to identify events.
4. **RESPOND:** Take action regarding detected incidents.
5. **RECOVER:** Maintain plans for resilience and restoration of capabilities impaired by incidents.

DATA PROTECTION STRATEGIES

Access Control:
Managing and restricting access to data to prevent unauthorized usage.

Data Encryption:
Ensuring secure transmission through robust encryption methods.

Regular Backups:
Implementing scheduled backups to prevent data loss and aid in recovery.

Employee Training:
Educating staff on data practices and protocols.

Incident Response:
Establishing a strategy for addressing data breaches.

COLLABORATORS/ RESOURCES

THANK YOU

We are committed to safeguarding our digital infrastructure.

Through continuous monitoring and proactive measures, we prioritize the safety and reliability of our services for the communities we serve.

SPRWS Cybersecurity Task Force