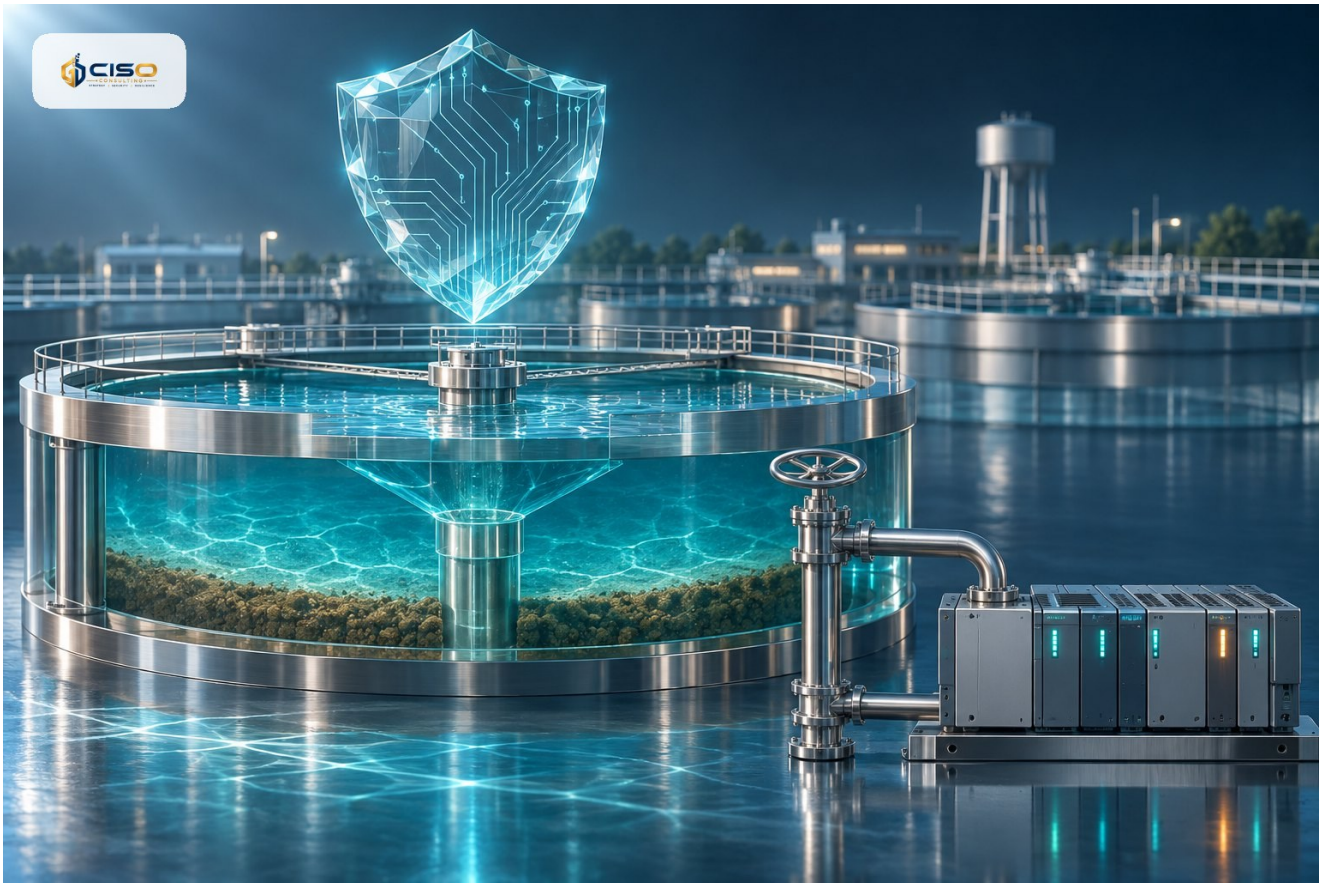
NIST Outlines OT Security Guidance for Water and Wastewater Systems



A NIST blog on securing water and wastewater OT environments points readers to its OT guidance, including SP 800-82 and IR 8576. The excerpt provided gives only the author's background, not technical detail.

- The NIST blog addresses securing OT environments in the water and wastewater sector.
- The author, CheeYee Tang, is a NIST electronic engineer focused on OT cybersecurity research.
- She co-authored NIST SP 800-82 and NIST IR 8576 on critical infrastructure and OT cybersecurity.
- She has over 20 years of experience in product development and embedded systems, and previously led software teams in rail and telecom.
- The excerpt contains no technical recommendations, threat data or incidents.

What the source says

NIST has published a blog post titled "Securing Water and Wastewater Operational Technology Environments". The text available to us is limited to the author's biography, so it does not set out the post's technical content.

The author, CheeYee Tang, is an electronic engineer at NIST working on cybersecurity research for operational technology (OT). She co-authored NIST SP 800-82 and NIST IR 8576, both of which address critical infrastructure and OT cybersecurity. She has more than 20 years of experience in product development and embedded systems, and earlier led software engineering teams in the rail and telecom sectors.

What it means for readers

The excerpt does not describe new threats, incidents, vulnerabilities or requirements, so there is nothing here that calls for urgent action. Its value is as a pointer: it signals that NIST is giving attention to water and wastewater OT security and directs readers to SP 800-82 and IR 8576 as reference material.

Institutions that operate or depend on water and wastewater infrastructure can use this as a prompt to review their OT security posture against established guidance. We recommend reading the full blog post before drawing conclusions on specific controls.

What to do now

1. Read the full NIST blog post before drawing conclusions on specific controls.
2. Review NIST SP 800-82 and NIST IR 8576 as reference material for OT security.
3. Check whether your OT asset inventory and security assessments cover water and wastewater systems you operate or depend on.
4. Map your OT security controls against the NCA OTCC to identify gaps.