5.0   DETECTION STRATEGIES

This section contains strategies that can be used to aid in the detection of malevolent acts or natural hazards that threaten the security or resilience of the system.

Detection Strategies

Threat	Detection Method	Procedure
Unauthorized entry	• Access into WPCP is controlled by card-operated electronic entry gate. • 24/7 operation.	Call 911.
Wastewater (sewage) contamination	• Detection through analysis • Customer notification • Public • Operator	Wastewater Contamination Incident Response Procedure
Cyber intrusion	• Automated IT and operation technology (OT) system intrusion detection monitoring • Notification from utility staff	Cyber Incident Action Checklist
Hazardous chemical release	• National Response Center notifications • Plant staff surveillance	Call fire department
Hurricane	• Weather Service alerts • Emergency Alerts from County EMA	Utilities Department Natural Disaster Preparedness Plan
Flood	• Weather Service alerts • Emergency Alerts from County EMA	Utilities Department Natural Disaster Preparedness Plan
Power outage	• Notification from energy provider • Alarm from line power sensor	Incident-Specific Response Procedures (ISRPs): Water System Power Failure
Tornado	• Weather Service alerts Emergency Alerts from County EMA	Utilities Department Natural Disaster Preparedness Plan
Other: Pandemic	• Notification from WHO/CDC	COVID-19 Preparedness Procedure for Water & Wastewater System