

DD&R Security Engineering Solutions

Background

Westinghouse Asset Protection and Development (APD) engineers have 50+ years of combined experience in the nuclear industry.

APD staff is comprised of Professional Engineers with licenses in multiple states and countries. Our technical leads have years of operating plant, new build design and licensing experience. APD has been creating engineering analyses and security systems/analyses to fully comply with **10 CFR 73.55** for over 20 years.

Westinghouse also maintains a standalone **10 CFR 73.22**-compliant Safeguards Information (SGI) program. Currently, APD engineers hold security clearances in three countries and maintain four programs of secured information.

Description

Decontamination, Decommissioning, and Remediation (DD&R) Security Engineering Solutions can inherently change the licensing basis of an operating nuclear plant as part of the retrograde process.

In order to maintain regulatory compliance in the most cost-effective manner, security forces are typically drawn down to protect a limited scope of vital equipment.

Westinghouse has developed a suite of products to evaluate a site's security posture at various DD&R stages to most efficiently position security equipment and resources.

Benefits

In times of vulnerability due to transition, it is imperative to implement sound, methodical, assessment methods to provide insight into security design that may not otherwise be identified by existing site personnel.

APD provides timely, economical, regulation-focused solutions that ensure reasonable cost-to-benefit ratio and maximize profitability to the utility.

Deliverables

APD's range of products included in the DD&R suite includes, and is not limited to:

- Security Plan Updates
- Licensing Amendments
- Fault Tree Target Set Analysis (FTTSA)
- Vital Equipment List
- Regulatory Compliance Matrix
- 3D Modeling and Simulation for Vulnerability Analyses
- Security System Design
- Physical Security Commodity Design and Placement such as Bullet-Resistant Enclosures, Defensive Fighting Positions, Delay Barriers, etc.

