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A Proposed Design for: Security Lighting and Cameras Surveillance System for Optimum Supervision at a Perimeter Area

Abstract
In this work a proposed design for security lighting and cameras surveillance system for optimum supervision at a perimeter area of a hypothetical nuclear facility will be presented. A perimeter area has an isolation zone between double fences which are surrounds a nuclear facility site. The illumination poles, lamps type, towers space distance and lighting level, required for camera surveillance system will be computed and determined. The work provides the requirements of cameras surveillance system at nuclear reactors isolation zone. Width of images sensitive area, lens focal length, lens format and angel of view will be determined by calculation method. The work determines cameras type, distributions, camera's parameters and formulas according to the physical protection design process. The output results will be analyzed and tabulated.

Keywords: Security lighting, Illumination, Perimeter Area, Cameras Surveillance System

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