

## What

- The planning and installation of a lighting system that facilitates safe and secure operations, while minimizing offsite visual nuisance.

## Purpose

- To help ensure a safe working environment, extend hours of operation, illuminate on-site hazards for staff and visitors, and provide security to the site after hours.



## Where

**YES:** Entrance/exit, work faces, haul roads, stockpiles, buildings, equipment, vehicles.

**NO :** Wherever it may spill, glare or reflect off-site.

## Materials Equipment & Costs

- 🛠 Worklights, headlights, back-up lights, signals, spotlights, warning lights, hazardous area lighting, emergency lights, floodlights, wiring, fixtures.
- ✂ Electrician and appropriate wire and tools, equipment necessary for raising poles or light standards, labour.
- \$ Low to medium.

## Plans & Spec's

- Where lighting is installed, ensure that it is directed downward to minimize off-site spill and glare. Balance safety and security with concerns of neighbours.
- Lights positioned so that they are shielded by buildings or permanent plant facilities may be less visible from the surrounding countryside and pose less of an annoyance to neighbours.
- Lighting is often installed for security and risk management purposes.
- Mount lighting below the roof height of buildings and perimeter fencing and direct the light downwards.
- Keep lighting of road junctions and site entrances to the minimum required for safety purposes.
- Light poles, stands and columns will blend in with the surrounding landscape if painted a similar colour (e.g., a dark colour if the light poles are set against a backdrop of vegetation). Trees and hedgerows may also help to 'contain' the light.

- Maintenance**
- Regular inspection is required to ensure burned out tubes and bulbs are replaced and broken fixtures are repaired.

## **Sources**

Cole, L., Smith, P., Wright, J. and Clough, R. (1999): **Controlling the Environmental Effects of Recycled and Secondary Production Good Practice Guidance**; *United Kingdom Department of the Environment, Transportation and the Regions*, URL <<http://www.planning.detr.gov.uk/recycled/practice/index.htm>>, June 2001.