

8. HEALTH & SAFETY PRACTISES

The supplier of the asphalt plant has provided a fervent guarantee that the equipment is of world class standards and that it is not prone to any adverse impact whether on environment or on the human health. Thus, the health impacts associated to the plant is likely to be negligible. However, the promoter has setup strict safety guidelines which the company will abide in order to avoid any risk of occupational accidents. The proposed facility will not have any health impact on the workers as well as the neighbourhood community. The main potential hazards associated with the asphalt mixing plant can be categorised as physical and chemical. The following measures will be adopted in order to ensure effectiveness of safety policies on the premises.

- Most bitumen safety hazards arise from the handling of bitumen in an elevated temperature. To prevent burns it is advised that those handling bitumen wear full-body protection.
- All bitumen products for use on site will be handled safely by the staffs during their transportation, storage, preparation, use and disposal.
- All personnel involved in hot bituminous works will undertake, and successfully complete, a training course before commencing such duties.
- Asphalt is a moderate irritant and may contain carcinogenic components. The dust from the manufacturing processes may pose respiratory hazards. Thus, proper personal protective equipment, including gloves, eye protection, respiratory protection, and hearing protection should be used.
- Staffs will also be provided with uniforms.
- Safety signs will be posted throughout on the proposed site and exits will be clearly indicated.
- The equipment will have chuck guards in order to prevent possible accidents.
- The fire, explosion and burns risks associated with hot bitumen works will be safely managed, with proper emergency response, first aid and medical treatment measures planned beforehand and implemented.
- The Material Safety and Data Sheet (MSDS) for each chemical product will be made accessible at any time on the proposed asphalt plant.
- Regular health and safety awareness and training campaign will conducted among the employees of the company.