

# Study on Work Environment in Cement Industry

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## **Abstract**

This study was conducted as an effort to determine the present working conditions and consequently establish control measures for the improvement of working environment in the cement industry. Nine (9) cement plants in the Philippines were subjected to the same work environment evaluation. Harmful work environment factors such as noise, heat, and dust concentrations were monitored at various work points in the plants to produce an exposure profile of workers in each plant. The results indicated that dust concentration levels in the cement industry were considerably high in six major workareas namely; crusher, raw mill, coal mill, finish mill, cooler and packhouse; heat levels at kiln, cooler and calciner areas mostly exceeded their TLV's and noise levels at crusher, raw mill and compressor areas were highest in most cement plants. Recommendations were given based on the evaluated results of the work environment measurements.