

EFFECTIVENESS OF ENVIRONMENTAL POLLUTION CONTROL MEASURES IMPLEMENTED IN METAL CRUSHING SITES AT KADUWELA MUNICIPALITY

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Metal Crushing industry plays a major role in supplying construction materials in Sri Lanka. Although it gives a better financial and social development to the nation, the caused environmental pollution significantly influence the future sustainability of the industry. Therefore, this study was aimed to evaluate the effectiveness of pollution control measures that are already implemented in *Welehandiya* area in Kaduwela Divisional Secretariat in Colombo District by the Central Environmental Authority (CEA). Since the noise pollution and the dust emission were identified as the major impact categories, the equivalent continuous sound pressure level and concentration of Suspended Particulate Matter (SPM) in ambient air were measured in the study area. As the measurements were done after the successful implementation of recommended pollution control measures, results revealed a substantial reduction of noise level and very slight reduction of SPM levels recorded. Finally, the recommended noise pollution control measures can be introduced to similar industries while dust emission control measures need to be improved innovatively. Further intensive studies are required to analyze the effectiveness and generalize the results in future.