

STUDY ON NOISE MONITORING AT PLANT AREA

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ABSTRACT

Noise is a common physical stress found in the working environment. Any forms of work will usually involved physical activities and the use of tools, equipments or machinery. Noise is inherently produced when these activities or machinery cause mechanical vibrations in the media. Noise or 'unwanted sound' is unwanted because exposures to high noise levels can cause noise[^]induced hearing loss; hinder communication leading to an accident; or can be annoying to exposed persons. For protection of workers from the deleterious effects of noise, the physical characteristics of sound and noise in order to assess and subsequently control excessive noise exposures need to know. In the industrial settings, there are different types of noise. These are characterized by their degree of fluctuations, and the nature and duration of events. By identifying the areas and machinery that emits excessive noise level and evaluate each individual employee in the identified groups with daily noise exposure level for compliance with Regulation 9 of the Factory and Machinery Act (Noise Exposure) Regulations 1989. Personal noise exposure evaluation indicates the extend of the severity of an employee noise exposure and defines clearly which job may have excessive occupational noise exposure. Sound Level Meter is used to identify the area monitoring while Dosimeter is used to personal monitoring. The data that appear from the dosimeter are used to analyze the result.

TABLE OF CONTENTS

CONTENT

PAGE TITLE

ACKNOWLEDGEMENT

ABSTRACT

TABLE OF CONTENT

LIST OF TABLES

LIST OF FIGURES

LIST OF ABBREVIATION

CHAPTER 1 : INTRODUCTION

- 1.1 Scope of Study
- 1.2 Objective of Study
- 1.3 Significant of The Study

CHAPTER 2 : LITERATURE REVIEW

2.1	Review of Previous Studies	4
2.2	Types of Noise	5
2.3	Noise and Laws	8
	2.3.1 Application and Scope of Regulations	10
2.4	Personal Noise Exposure Evaluation	10
2.5	Computation of Worker Noise Exposure	11
2.6	Assessment of Noise	12
2.7	Instrumentation	13
	2.7.1 Sound Level Meter	13
	2.7.2 Dosimeter	14
	2.7.3 Audiometer	15
	2.7.4 Silent Booth	17
2.8	Concluding Remarks	18

CHAPTER 3 : METHODOLOGY

3.1	Literature Review / Selection on Company	19
3.2	Area Monitoring in Production / Machining	21
3.3	Noise Contour / Zoning	21
3.4	Personal Monitoring/Classification of Employees	22
3.5	Selection of Employees for Personal Exposure Monitoring	22
3.6	Sampling Duration	23
3.7	Briefing to the Worker	23
3.8	Method of Fixing the Dosimeter, Data Collection and Analysis of Result	23
3.9	Suggestion on action to be taken / Documentation and Report Writing	23