

Pollution Research Group
Hazard Identification Risk Assessment

Introduction:

In terms of the requirements stipulated under Sections 8 and 13 of the Occupational Health and Safety Act 85 of 1993, it is imperative to identify, document and communicate hazards and risks in all work areas and activities with researchers. To implement strategic measures to either treat, tolerate or terminate the hazards and risks identified. The Risk Assessment Process includes site visits, job observations, understanding work processes, laboratory operations and discussion with employees and management.

Purpose

The purpose of this assessment is to identify potential hazards and risks prevalent on the project and to examine existing health and safety control measures and to make appropriate recommendations where the control measures may be inadequate or non-existent.

Aim

The aim of this assessment is to eliminate or reduce the hazards and risks identified as far as is reasonably practicable. Hence, ensuring a healthy and safe work environment on all PRG projects.

Scope

This document is applicable to researchers and students of The Pollution Research Group.

Definitions

Hazard – is the source of or exposure to danger

Risk – is the probability that an injury will occur

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Name:

Signature:

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Task Safety Analysis:

List Major Task Steps	What are the Hazards	What are the Risks	Risk Level (H/M/L)	Type of risk (S/H/E)	Probability Level (F/O/S)	Control Measures (PPE/Safe Work System/Engineering Control/Substitution/Elimination)	Risk level after control

Determining Needs to Perform the Task Safely

PPE REQUIRED	SPECIALISED PPE	GENERAL SAFETY	FIRE PROTECTION
X	X	X	X
Lab coat	Chemical resistant lab coat /apron	Extraction	Fire hydrant/extinguishers available
Latex powder free gloves	Heat resistant gloves	Fume hood	Emergency escape route identified
Safety shoes	Face Shield	Temp controlled environment	Assembly points identified
Safety glasses	Dust mask	Chemical resistant working surface	Emergency numbers available
	Respirator	Heat resistant working surface	
	Ear protection		

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