

ABOUT US

PNA is an independent consultancy focused on providing safety, risk and reliability services and solutions covering the various phases of a project including feasibility and concept development, design, construction, installation, hook-up and commissioning, operation and decommissioning.

OUR SERVICES COVER THE FOLLOWING AREAS :

Hazardous Area Classification

Process Hazard Analysis

Asset Selection & Utilisation

Formal Safety Assessment

Quantitative Risk Assessment

Regulatory Compliance

Consequence Analysis

Hazard Identification

Business Continuity Plan

Health Risk Assessment

Process Safety Management

1. DECOMMISSIONING SAFETY CASE

In order to ensure the continuing safety of workers, the public and the environment, as well as to ensure continuity and transparency of the regulatory requirement during decommissioning activities, a Decommissioning Safety Case is required. In general the preparation of a decommissioning safety case shall involve the task of identifying the hazards present during decommissioning activities and assessing the significance of the predicted impacts from the hazards during decommissioning activities.

A safety case reflects the actual work performed at the facility and the actual, prevailing conditions. In order to facilitate the effective planning of decommissioning, PNA shall assist in gathering identifying the following information:

- Scope of the tasks that will be necessary for dealing with each situation.
- Techniques available for eliminating or reducing potential hazards.
- Method by which progress in the hazard reduction is to be verified.
- The nature and amount of waste expected to be generated.
- The objective of planning is to eliminate or reduce the hazards by allocating the necessary resources and implementing the technical or administrative means to counteract them.

2. SITE INVESTIGATION AND REMEDIATION

Thousands of chemicals and substances are associated with contaminated land and water. PNA has the capability to investigate sites and identify those chemicals in air, soil, sediment, surface water, and groundwater that may pose a risk to human health and/or the environment. The goals of the investigation vary between sites and facilities, depending on the regulatory compliance, the types of chemicals and exposure conditions.

Based on site conditions, we use a variety of innovative strategies to help reduce, minimize, or avoid unnecessary remediation costs. These strategies may include the use of bio-availability, soil optimization, or natural attenuation approaches. We also practice phased approached studies to ensure that investigations and possible remedial activities are in line with the client's objective and most importantly cost effective.

3. BEST PRACTICED ENVIRONMENTAL OPTION

Best Practiced Environmental Option (BPEO) emphasises the protection and conservation of the environment across land, air and water. The BPEO procedure establishes for a given set of objectives, the option that provides the most benefits or the least damage to the environment, as a whole, at acceptable cost, in the long term as well as in the short term.

BPEO involves the analysis of alternatives. The preferred option is that which minimises harm to the environment as a whole, taking account of what is affordable and practicable, in which environmental criteria are assessed alongside social and economic factors important in planning processes.

PNA has the capability to assist clients in identifying the best practiced environmental options depending on the available options for a certain task.

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