



## Hazard & Operability Study

### The Issue

All environmental projects contain some element of risk, which can be a result of financial, technical or corporate responsibility considerations. These risks need to be understood initially and then managed effectively. Whilst most clients know the risks associated with their business, environmental protection, site remediation and regeneration are areas generally unfamiliar to the majority of clients and consequently the risks are unlikely to be fully appreciated or understood.

### The Objective

All remediation / regeneration proposals need to be technically assessed to fully identify the hazards that might adversely affect a satisfactory outcome and how they can be eliminated, minimised or managed.

# The EDSR Solution

Hazard & Operability Studies (HAZOP's) are highly detailed, multi phase checks. They commence on a project at the concept design stage and focus on the potential major issues for the process and equipment to be used on the project. As the processes to be used proceed through scheme and working design stages the HAZOP studies become extremely detailed and complex. They take into account the "what if" scenarios, which may arise in the remediation process and provide safety protocols, procedures and design modifications to plant and processes to make the project as safe as possible. Any equipment design resulting from the HAZOP procedure has an operational review prior to commissioning on site. Post start-up checks finally ensure the whole process is validated.

EDSR have a team with substantial experience of conducting Hazard & Operability Studies in all the technical processes that can potentially be utilised for site remediation.

EDSR will lead or advise the client's management team, to ensure that our proposals are fully understood by all stakeholders and that the risks identified are managed effectively and that the remediation process poses no threat to the environment, workforce or local communities.

It is important for our clients to be totally secure in the knowledge that all risks have been fully assessed, eliminated or effectively managed. A properly conducted 'Hazop Study', carried out by experts, is an essential element of any environmental project.



## For more information please contact:

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