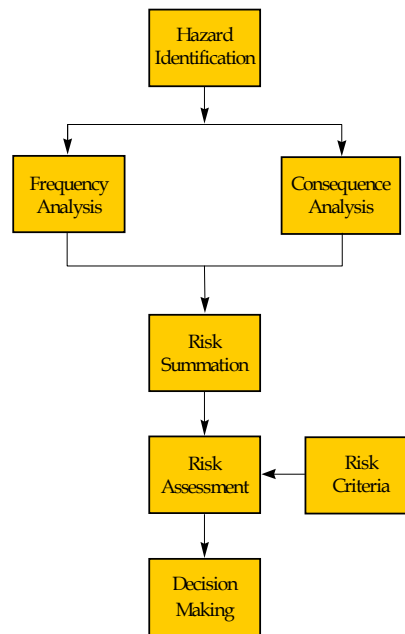


SUMMARY

Sotera undertook an Environmental Risk Assessment for the Sandvik Hard Materials facility in Coventry, UK. The assessment was conducted to address Item 2 in the improvement plan under the Pollution Prevention and Control Regulations (PPC). Operational activities carried out at Sandvik involve the manufacture of hard metal products.

OVERVIEW

Sotera undertook a series of risk management activities as illustrated by the diagram below.



HAZARD IDENTIFICATION

The initial task, as with all environmental risk assessments, comprised a thorough investigation into the surrounding environment of the facility. This included research into and where necessary, surveys of, site location and topography, geology and hydrogeology, detected contamination, meteorology, aquatic environment, surface water catchments, terrestrial environment, designated sites and ancient woodland. Once information had been gathered concerning the surrounding environment an overview of the Installation was undertaken to investigate the site structure and layout, any the hazardous substances stored onsite including the hydrogen and methanol compound and a description of the manufacturing processes that take place at the Sandvik facility.

Subsequently, Sotera carried out a Hazard Identification process whereby all the potential hazards to the surrounding environment by Sandvik's operational activities were examined.

RISK ASSESSMENT

After identifying the hazards and their probable causes, the hazards were scored according to their frequency and probable consequences by using a Risk Matrix (see below).

Likelihood	Severity				
	1	2	3	4	5
1. Highly unlikely	1. Trivial	1. Trivial	2. Tolerable	3. Moderate	3. Moderate
2. Unlikely	1. Trivial	2. Tolerable	3. Moderate	3. Moderate	4. Substantial
3. Possible	2. Tolerable	3. Moderate	3. Moderate	4. Substantial	5. Intolerable
4. Probable	2. Tolerable	3. Moderate	4. Substantial	5. Intolerable	5. Intolerable
5. Highly likely	3. Moderate	3. Moderate	4. Substantial	5. Intolerable	5. Intolerable

This methodology allows the hazards identified to be ranked according to their priority and severity.

Options to mitigate the highest risk areas were then identified and assessed. The priority listing was then presented to management at Sandvik with recommendations for risk mitigation to reduce the risk impact that these hazards presented.

For more information on environmental risk assessment please contact Glenn Pettitt: by email at glenn.pettitt@sotera.co.uk or phone +44 (0)20 8247 3840