SUGESTED SOLUTION

EXERCISE -2

PHASE: ORE PROCESSING/PLANT OPERATION			
Roaster plants and smelters	Suphur Dioxide, Nitrogen Dioxide, and other green house gases emissions can lead to air pollution	Emissions occur during life of mine	Installation of filters on stacks. Conversion of recovered sulphur dioxide to sulphuric acid
	Fallout/spills can cause soil and water contamination	Potentially long term	Depends on mitigation of emissions
	Disposal of smelter wastes (slag) Dumps may cause visual impact	Post mine-life, potentially permanent	Reclamation of dumps
Other plants (tailings, the process wastes are dealt with separately)	Process water discharge can lead to soil contamination and water pollution. Use of hydrological resources	During the life of the mine	Recover effluent for recycling Treat process water (e.g. cyanide destruction) before it is released into tailings dams Maximize use of recycled process water
	Hazardous chemicals handling and disposal	During the life of the mine	Chemicals handling, storage and disposal procedures