EcoVane
Knowledge for sustainable value

Environmental Site Assessment

Soil and water provide us with food, biomass and raw materials. They serve as a platform for human activities and landscape and as an archive of heritage and play a central role as a habitat and gene pool. Soil and water together form the foundation for human society on earth. They store, filter or transform many substances, including nutrients, carbon and the basic element of water itself. These functions must be protected because of both their socio-economic and environmental importance. Soil & water are subject to a series of degradation processes or threats from industrial contamination, which may ultimately lead to the posed risks on human society and the biosphere, and reversely cause catastrophic damage on the business itself.
Given the importance of soil & water and the need to prevent further pollution, Ecovane could help companies to investigate the risk of environmental contamination and prevent them from being at a stage as early a as possible. For the caused damages on the environment, mitigation measures from various technologies and suppliers could be evaluated from an economic and environmental effectiveness perspective to meet the maximum benefits of the business, the stakeholders and the society.

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Scope of Environmental Site Assessment service

Keywords: Phase I & II environmental site assessment | environmental risk assessment | remediation evaluation | environmental due diligence for merge & acquisition

Phase I environmental site assessment

Site investigation, research and identification of major environmental none compliance, as well as potential concerns of contamination for further investigation (phase II).

Phase II environmental site assessment

Investigation plan design and implementation of the plan to conduct onsite soil and groundwater sampling and lab analysis to obtain the data result for risk analysis (or further risk assessment).

Environmental remediation evaluation & implementation

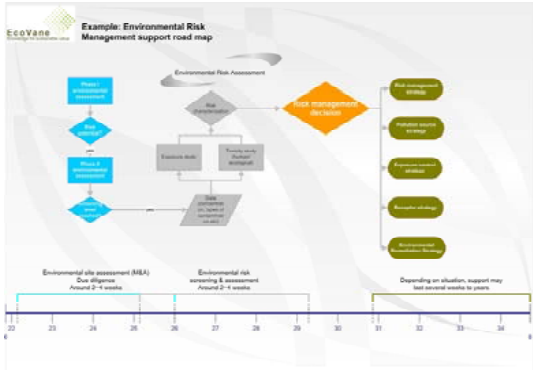
- Comparing options, e.g. physical, chemical or biological, in-situ or ex-situ and etc to remediate the contamination based on the collected data and constructed CSM.
- Support the remediation design and engineering operation during the lifetime of the project.

Environmental due diligence & compliance assessment

Benefits for customers

- Qualified and quantified environmental risks
- Prompt recommendations on risk control and mitigation measures
- Business liability and reputation as well as stakeholder interests ensured

Approaches of Environmental Site Assessment



a sample of schematic environmental site assessment and risk management process