Environmental Management Services

Creosote Pole Storage - Made Ground Case Study

Summary

During a liquid pollution risk assessment of a major DNOs depot we found that the storage of their creosote impregnated poles had not taken into consideration the pollution hazards posed by creosote leaching out of the poles.

In order to mitigate the risks we designed a specialist DNAPL interceptor which catches and stores creosote, preventing it from polluting the environment.

Drain alterations were conducted in the pole storage area to direct all run off through the DNAPL interceptor. Specialist absorbents were installed underneath the poles to minimise the risk of the interceptor's creosote storage capacity being reached between maintenance events.

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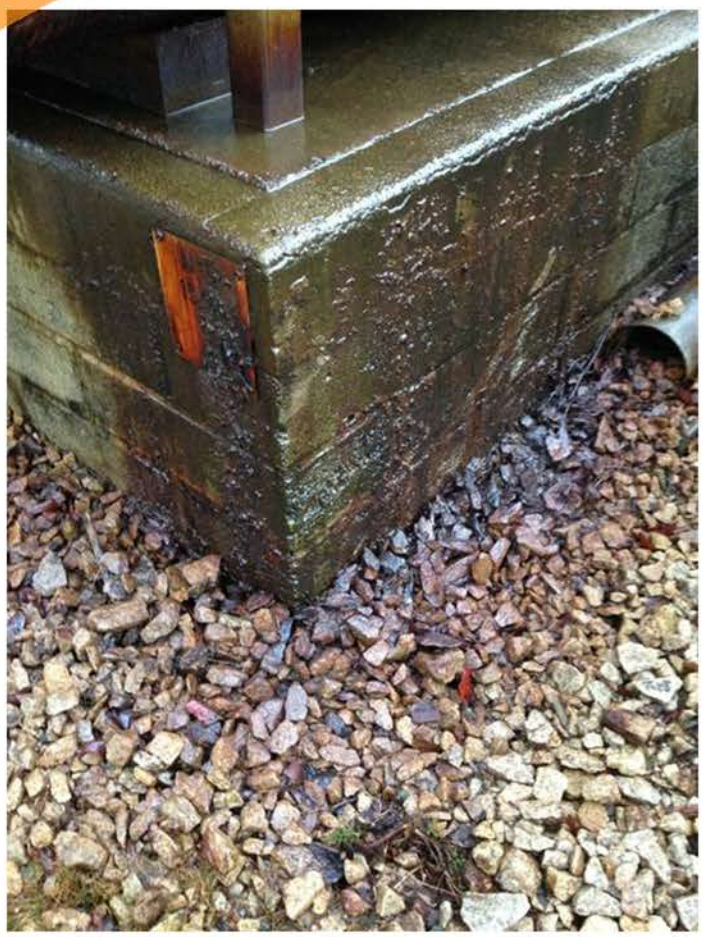

In order to ensure all creosote leachate was captured it was necessary to undertake civils works to create a specialist pole storage area to channel all run off through the DNAPL interceptor.

This included laying a concrete slab and installing new drainage which led to the DNAPL interceptor.

After the poles were reinstated specialist absorbents were installed underneath the poles to minimise the risk of the interceptor's creosote storage capacity being reached between maintenance events.

During a liquid pollution risk assessment of a major DNOs depot we found that the storage of their creosote impregnated poles had not taken into consideration the pollution hazards posed by creosote leaching out of the poles.

The client's pole storage area discharged into an interceptor, however standard interceptors are designed to collect LNAPLs and creosote is a DNAPL so the creosote was able to leave site via the drainage system.

To mitigate the risks we designed a specialist DNAPL interceptor which catches and stores creosote, preventing it from polluting the environment.