



Environmental Management Services

Creosote Pole Storage - Unmade 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.

The poles were being stored on unmade ground allowing any creosote leachate to pollute the ground beneath the poles.

Drain alterations were conducted and a specialist lining was installed below the pole storage area to direct all run off through a specialist DNAPL interceptor. Specialist hydrophobic and non leaching 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 was located on unmade ground allowing any creosote leachate to pollute the ground beneath the poles.

Firstly we remediated the contaminated ground, removing any historical creosote pollution.

Secondly we installed new drainage and an impermeable membrane beneath the pole storage area which channelled all runoff to one of our specialist DNAPL interceptors.



Chippings were then installed on top of the membrane and the poles are reinstated above the chippings.

As an additional control a specialist hydrophobic and non-leaching absorbent was installed beneath the poles. This selectively absorbs creosote but not water allowing the majority of the creosote to be absorbed before it reaches the DNAPL interceptor, reducing the risk of the interceptor's capacity being reached between maintenance events.

