

A strategy for sustainable construction of lagoons for power station ash disposal at Longannet Power Station

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SYNOPSIS. Ash lagoons for power station use can have a very short operational life in reservoir terms but can also be re-used after excavation of ash for commercial use thus extending their life. Longannet Power Station on the banks of the Forth Estuary is operated by ScottishPower and they apply the Reservoirs Act to their lagoon operations. They currently operate two lagoons close to the station in a cyclical manner whilst developing a much larger remote site in a planned sequence of one-off use lagoons that is being progressively developed as an amenity and wildlife area. Lagoon 21 is currently under construction and, together with operational and recently filled lagoons, presents a number of interesting aspects of design, construction, operation and regulation.