

# Portishead B Power Station

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## **Coal Handling Plant**

Seaborne coal supplies are off-loaded at the Portishead Dock from colliers of 500-700 tons capacity, and rail-borne coal is offloaded by waggon tippers and fed to the conveyor system ; also, lorried coal is delivered direct to the working coal store situated on the south side of the power station and having a storage capacity of 60,000 tons. The bunker associated with each boiler has a capacity of 450 tons, making the total bunkering for the eight coal fired boilers of 3,600 tons.

On the quay side are two Telpher type unloaders which grab from the boats and discharge the coal via a weigh-hopper recorder on to No. 1 belt, from which the coal can be delivered to either the station bunkers, the working coal store, or divided in any desired proportion to either.

A travelling Telpher type transporter of 260 tons per hour capacity spans the working coal store, and distributes the coal into stock, and also reclaims it as necessary back on to No. 1 conveyor.

The coaling system is designed for 400-tons per hour capacity, and incorporates weighing equipment so that by direct weighing or by “differences”, the distribution of the incoming coal can be recorded.

At two points on the system, magnetic separators are installed to extract any ferrous tramp iron from the coal.

*Extracted from CEGB booklet published 1960.*