

CITY AND COUNTY OF SWANSEA

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| LISTED BUILDING | Musgrave Engine House and Chimney at former YIM works off Neath Road, Landore, Swansea |
| Grade:- | II* |
| Date of Notification:- | 01.03.80 amended 03.01.96 |
| National Grid Reference:- | 66169949955 |
| O.S. 1:10,000 Sheet No.:- | 69 SE |
| CADW Reference No.:- | 11697 |
| C & C of S Reference No.:- | LB:061 |

Notes:-

Location:-

Located close to the River Tawe in the southern part of the former Hafod and Morfa Copper Works site.

History:-

Hafod Copperworks was established in 1810 by John Vivian and continued to be owned by the Vivian family until 1924 when it amalgamated with the adjacent Morfa Copper-works. It was subsequently operated by Yorkshire Imperial Metals until it closed in 1980. The Musgrove engine house was built in 1910 for a uniflow steam engine which powered adjacent copper rolling mills.

Exterior:-

A two storey building with a hipped roof, a brick passage for the rope drive and a tall brick chimney at its south-west corner. It is constructed of grey brick (made at the copperworks) with red brick bands to the cills, lintols and eaves cornice. The timber roof was slated. There are four tall windows to the main storey on each long elevation, square headed with timber window frames. The west wall has a large doorway with remains of external staircase. The east end features the open passage to the rope drive and a high-level doorway. The rope drives passes out of the building to a set of gears and intact rolling mills. The chimney is of square section, slightly tapering, in brown brick with iron banding towards the top.

Interior:-

The building is lined with brick on the interior, and has a main floor containing the engine, with a serve basement below. The engine is one of the first uniflow type steam engines made in Britain, manufactured by John Musgrove and Sons of Bolton in 1910. The engine retains its cylinder and piston, valve gear, crank, drive shaft and flywheel. The uniflow type engine was considered the most effective development of the steam engine. This is thought to be the only example remaining in Wales.

Listed as II* for its importance as a rare engine house with in situ steam engine and for group value with the listed buildings of the former Hafod and Morfa Copperworks. Scheduled Ancient Monument.

Reference:-

Stephen Hughes and Paul Reynolds, *A Guide to the Industrial Archaeology of the Swansea Area* (1988)