



The Coal
Authority

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Jennifer Pocock
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Dear Jen,

As mentioned in our application for an NRW transitional abstraction licence, the Whitworth 1 Mine Water Treatment Scheme (MWTS) has not been regularly monitored for flow rates.

This is as a result of a series of factors including:

- The site is gravitationally fed from an adit and therefore no pumps, flow meters or electric connections are in place at the site.
- The site is a historic scheme, designed and constructed by Neath Port Talbot Council and the Environment Agency. At the time of build there were no monitoring structures built in at the transfer point. The design of the scheme now means there is no suitable location for monitoring at the abstraction point.
- A V-notch weir has been built into a deep distribution chamber prior to discharge however the confined nature of this chamber make it unsuitable for monitoring.

Data points gathered prior to 2013 were gathered by the Environment Agency. We presume these data points were gathered via access to the v-notch weir, although we cannot be certain.

Data points from 2015 onwards were gathered by the Coal Authority operators using a visual estimate of the flows over the v-notch.

Unfortunately, due to the confined nature of the v-notch chamber monitoring at the v-notch was discontinued.

We are able to provide photos of the v-notch weir, which I have attached on a second page, but measuring the v-notch weir dimensions is not appropriate at this time.

If you require any further information or details surrounding this site, please don't hesitate to contact me.

Thank you,
Cara Callingham



The Coal Authority

Cara Callingham,

Assistant R&D/Technical Manager.

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Photo A shows the access to the V-notch weir chamber.



Photo B shows the confined chamber. The v-notch weir can be seen in the centre of the photo. It is thought that the weir plate is a 90 degree weir although this cannot be confirmed as access into the chamber is not permitted.