



Castle Environmental 2019 Site Report – Cardiff – PC 4.2.2a

The waste side of the business continues to serve a number of local and national customers. The construction side of the site, which utilises washed fines aggregate has continued to supply local customers.

At the end of 2019 the total number of staff employed across both businesses was 23, (8 staff working on the waste facility).

The total quantity of waste accepted at the site in 2019 was around 24,000 Tonnes which is slightly lower than the previous year, although certain waste types have increased within that total number as the site has focussed on core operations.

Performance

Reported Energy usage has increased when compared to the previous year (approximately 14%). The data provided encompasses both the waste and the adjoining concrete products businesses. It is considered that the increase in power consumption is attributed to the additional processing undertaken due to the change in the mix of wastes accepted at the site and the associated level of processing required.

Consumption of gas oil has remained broadly the same as the previous year. The consumption is an estimated value obtained from the overall consumption for the two businesses.

The total quantity of waste removed from the site in 2019 was 8297 Tonnes which is an increase against the previous year. This increase is related to changes in the proportions of various waste streams accepted at the site, along with an increase in the quantity of transfer waste. The quantity of treated waste disposed of to landfill remained broadly the same as the previous year.

Water consumption for 2019 is estimated to be around 7854m³. This value has been attained using the same assumptions as previous years. It represents an increase over the previous year (6324m³). The increase is due to variations in the production rates at the concrete business and the changes to the waste mix for the waste business.



With regard to health and safety performance, the site has maintained a strong performance, with no serious incidents. There has been a single LTI which was attributed to a manual handling operation.

Over the past 12 months the site has been successful in maintaining a good relationship with Welsh Water with improved desludging operations and investment in laboratory resource delivering much improved levels of compliance.

Improvements

The site management systems have been subject to annual internal and external audits with no issues identified.

Additional investment has been made in the laboratory function, with new instrumentation purchased and extraction purchased throughout the year. Improvements to QA and QC programmes have matured and are well implemented, this has been supported by the appointment of a Group Laboratory Manager with oversight of the procedures and processes.

Security at the site has been improved by the provision of a CCTV system.

Raw material consumption has been reduced by utilising wastes in place of raw materials such as hydrated lime. In addition, liquid effluents continue to be used as a replacement for water when making up alkaline slurries.

Continuous Improvements

There will be a round of investment at the site over the next 12 months. This will serve to upgrade and replace certain items of equipment in order to deliver improved efficiency and operability.

Over the next 12 months the site will be making the necessary upgrades to its Health and Safety Management system to achieve accreditation to ISO 45001.