

Energy efficiency

As a certificated site operating to ISO14001, annual improvements are required to ensure continued improvement and certification. In relation to the operation and efficiency of the AD plant, the following improvements are scheduled for this year:

1. Replace all plastic pipework water lines to prevent water leaks.
2. Modify boiler so can run on biogas rather than Kerosene to heat the anaerobic digester.
3. Re-lag pipework to reduce heat loss from the anaerobic digester.
4. Source additional 02 05 02 feedstock to maximise output from the CHP engine (if runs continuously uses less power in relation to energy generated).
5. Reduce water usage in the factory so less volume of diluted waste comes to the AD plant – reduce by 10% in 2022/23. This enables reduced output to Wessex Water and can increase the retention time in the digester, this gives a better gas quality and a better gas to electricity conversion ratio.