

The treatment system is designed for the AD Plant to achieve the following quality standards contained within Part C of the Wessex Water Consent to Discharge:

- 1) The pH of the trade effluent to be discharged under this consent shall not be less than pH 6 or greater than pH 10.
- 2) Suspended Solids shall not exceed 500 milligrams per litre (mg/l) of effluent.
- 3) Chemical Oxygen Demand shall not exceed 1,000 mg/l of effluent.
- 4) Chemical Oxygen Demand load in any 24 hour period shall not exceed 175 kilograms.
- 5) Sulphate (expressed as SO₄) shall not exceed 1,000 milligrams per litre (mg/l) of effluent.
- 6) The effluent shall not contain materials that may be retained by a screen having perforations of 6mm in diameter
- 7) Fats, oils and greases shall not exceed 100 mg/l of effluent.
- 8) Total sulphide concentration (as S) shall not exceed 2 milligrams per litre (mg/l) of effluent.
- 9) Ammoniacal nitrogen (expressed as N) shall not exceed 160 mg/l.
- 10) Total chloride shall not exceed 750 milligrams per litre (mg/l) of effluent.