Bradgate Bakery Effluent Treatment Permit Variation

Form C6

**Question 3) B & D)** The pH correction plant is limited to discharge 48 m3 per hour as a maximum. We do however have differing times of use, and there are periods in the day where no water is discharged. This would mean: 48 m3 \* 24 hours = 1,152 m3 maximum discharge per day. This is a theoretical maximum, as we have a discharge consent limit of 500 m3 to meet. Our daily average in 2022 has been 420 m3.

As the trade effluent system is entirely sealed from rainfall, this figure is also the figure for non-rainfall dependant effluent.

**Question 3) C)** As mentioned above, the maximum discharge the pH plant allows for is 48 m3 per hour, or 48,000 litres per hour. As there are 3,600 seconds in an hour, the calculation for the flow rate is:

48000 / 3600 = 13.3 litres per second

**Question 5)** Our trade effluent has an existing connection to foul sewer. The treated effluent from our pH correction plant will connect into the existing connection to foul sewer.

**Questions 7 & 8)** We do not discharge to groundwater or surface water.

**10a** – none are applicable