Building Inventory: this inventory refers to Appendix 9.

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| **Building name** | **Reference on Plan** | **Detail** |
| House 4 & 5 | 1 | This is the existing poultry house, split vertically down the middle. Each side houses 16000 laying hens, split into 4 compartments, each holding 4000 birds.  In each side we have: 8 \* 730mm FUMUS – 2 fresh air chimney air inlets, 23 pop holes (each around 4ft in length) 2 \* 920mm exhaust fans, 4 \* EM50 belt driven fans and 2 \* fresh air summer side inlets. All the ventilation is automatic, based on the temperature of the shed which is programmed into the built in Viper system.  The chimneys and the summer side inlets are controlled by a winch and motor system – again, this is temperature controlled and automatically done by the Viper.  The birds are automatically dry fed upto 6 times a day – all feed times and run times are all set in the Viper system.  Manure removal is done twice weekly via the muck belts and muck conveyor – this lowers the ammonia levels within the house, controls flies (we use no pesticide), and also reduces the ventilation levels.  Litter removal is done as and when needed, as it brought the muck conveyor, and into the outside trailer.  We have 2 \* 18T feed bins with a dust cyclone fitted to the exhaust down pipe to reduce feed spillage and dust. |
| House 6 (new build) | 2 | This is the new proposed poultry house, which will hopefully house 16000 laying hens. The house will be split into 4 compartments, each holding 4000 birds.  We will have 6 \* 730mm FUMUS -2 fresh air chimney inlets, located in the roof, 4 \* summer fresh air side inlets, 2 \* 920mm exhaust fans, 4 \* EM50 belt driven fans and 23 pop holes (around 4ft in length)  The chimneys and the summer front gable inlets are controlled by a winch and motor system – again, this is temperature controlled and automatically done by the Viper.  The birds will be automatically dry fed upto 6 times a day – all feed times and run times are all set in the Viper system.  Manure removal is done twice weekly via the muck belts and muck conveyor – this lowers the ammonia levels within the house, controls flies (we use no pesticide), and also reduces the ventilation levels.  Litter removal (from the floor) is done as and when needed, wheelbarrowed and removed via the muck conveyor, and into the outside trailer.  We have 2 \* 18T feed bins with a dust cyclone fitted to the exhaust down pipe to reduce feed spillage and dust. |

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| **Emission point reference** | **Emission point description and location** | **Source** |
| **Air** |  |  |
| Green rectangles | Gabel end fans of House 4 & 5 (1) - horizontal extraction | * Odour * Dust * Noise |
| Green rectangles | Gabel end fans of House 6 (2) - horizontal extraction | * Odour * Dust * Noise |
| Brown long rectangle | Muck belt removal conveyor (3) | * Odour * Dust * Noise |
| Black square | Dirty water collection point (see drainage plan for location) | Dirty water collection pit:   * Odour |
| Red rectangle | Muck collection trailer (4) | * Odour |
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| **Land** |  |  |
| Blue circle with cross | Soakaways (identified on drainage plan) | Clean roof water from buildings and the surrounding areas |
| Blue crosses | Drain Spouts (identified on drainage plan) | Clean roof water from buildings and the surrounding areas |
| Light blue circle | Feed bins (identified on emission plan) | * Dust * Noise when blowing feed in |
| Dark blue circles | Drain hole (identified on drainage plan) | Clean yard water |
| Light blue line | Sides of House 4& 5 (1) | Perforated clean water drainage pipe (soakaway) |
| Light blue rectangles | Side of House 6 (2) | Crate soakaway points |
| Dark blue square | Borehole drill point |  |

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| --- | --- | --- | --- | --- | --- |
| **Building name** | **Reference on Plan** | **Is building BAT** | Is management BAT | Is it in Housing Improvement Plan | Comments |
| House 4 & 5 | 1 | Yes | Yes |  |  |
| House 6 | 2 | Yes | Yes |  |  |
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| **Area needing improvement** | **‘How to Comply’ reference** | **What needs to be done?**  **Possible solutions** | **Proposed cost** | **Proposed timescale for completion** | **Timescale agreed with Environment Agency** |
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* There are no watercourses on this farm. Soils are shallow and well drained over chalk and so it is important to avoid contamination of groundwater.
* Containment is key on this farm to prevent the release of pollutants into the environment.
* Buildings have downspouts which drain in to permeable chalk surface.
* The land adjacent to the yard boundary is arable land and a small amount of woodland.

Water usage is predominately for livestock drinking and washing down between flocks. Mains water is used for the caravan and the sink in the packing area.

Water is taken from borehole to feed the hens, but also can be switched to mains water if needed.

**Water use – quantities & cost**

|  |  |
| --- | --- |
| **Source** | **Amount used per annum (dependant on placement of flock)** |
| Borehole | 2444 m3 |
|  |  |
| **Total** | **2444 m3** |

**Water use – opportunities for reduction – action plan**

Daily records of consumption are taken on the hens and alarms sound if the livestock drink too much or not enough.

Regularly check the water drinkers to make sure they are securely fastened and there are no blockages.

Replace leaking nipple drinkers and collection cups.

Check the ground below pipes to look for visible signs of leaks e.g unusually damp ground..

Fix dripping taps promptly and, where taps are used regularly.

Seek to obtain better records of water used in cleaning out and for domestic purposes.