

From: George Seinet [REDACTED]
Sent: 06 October 2023 14:29
To: SM-Defra-RESP-notifications (DEFRA)
Cc: Wray, Kate
Subject: RE: EPR/BP3132VC/V004 - Additional information/fee required CRM:0278048
Attachments: Weston New Sheds 1-4 Fan details.docx; REVIEW OF OPERATING TECHNIQUES DESCRIBED IN TABLE S1 Duck - Geese & Turkey .docx; Map showing Duck Turkey or Geese area .png; Duck weight for age.xlsx; Turkey weight breed specs.xlsx; Reviewed Weston Turkey Placements 2018 (2).xls; Weston stocking annual Duck & Geese.xlsx; Weston ammonia emissions plan for duck & Goose 2023.xlsx

Hi Kate

I hope your well.

I have worked out emissions both with the EA emission factor and the bespoke emission factor, using the EA emission factor the emissions are less for ducks and ducks and geese., we need to decide what one should be used.

Also I think it will be best when we find out what your system says and keep the duck, duck and geese below any elevated emissions vs the turkey, will be interesting to find out, can you let me know what the software is you use for screening?

The Weston site turkey plan will not change as per the permitted details, I have attached the submitted details that I think were included in the 2018 calculations. I have included weights for different breeds for your reference.

Ducks weight per day is attached, unfortunately we haven't worked out that per day for different breeds, this is something that I have requested as I know the new breed is a much better performing bird compared to others regarding feed consumption.

Geese I cannot find an emission factor, so I have used Duck. This will also be the first-time geese will have access to feed inside a building and have the option of using a building so we don't know how much they will range and be in the shed throughout the day, this will be interesting to find out when its in motion.

Ducks will be onsite an average of 40 days, then 1 week of C&D clean and disinfection between flocks, this works out to 7.4 flocks per shed per year.

Geese will be onsite for an average of 245 days average weight for a goose is 7kg I don't have the daily or weekly figures for weight gain. Below is what I found in the net from (Willin, 1995)

	MALE	FEMALE
Egg wt (g)	170.1	170.1
Hatching wt (g)	104.9	104.3
1 week wt (g)	307.9	295.9
2 week wt (g)	800.0	755.8
3 week wt (g)	1513.0	1365.5

(Source: Leeson and Summers, 1991) below.

Age weeks	Confined Intensive			Extensive Range		
	Average weight	Cumulative feed consumption	Food intake/body weight gain	Average weight	Cumulative feed consumption	Food Intake/body weight gain
	(kg)	(kg)		(kg)	(kg)	
3	1.68	2.65	1.55	1.59	2.64	1.66
6	4.20	8.40	2.00	3.80	6.08	1.60
9	5.74	17.16	2.99	4.98	9.61	1.93
12	6.71	23.89	3.56	5.80	16.23	2.75
14	7.10	28.61	4.03	5.95	18.68	3.14

I will have a better idea for East and submit this for Tuesday when the stocking data has been given to me.

Have a good weekend.

Best regards

George

From: SM-Defra-RESP-notifications (DEFRA) [REDACTED]
Sent: Wednesday, September 27, 2023 4:42 PM
To: George Seinet [REDACTED]
Cc: Wray, Kate [REDACTED]
Subject: EPR/BP3132VC/V004 - Additional information/fee required CRM:0278048

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Hi George,

Further to our earlier conversation, we have discussed the ammonia impacts resulting from your proposals at both Weston Poultry Unit and East Farm this afternoon. We are very concerned about the potential impacts at a number of conservation sites, including a number of European sites, and as a result we are going to need more information and additional fees, as outlined below, along with the information requested for East Farm on 19/09/23, before we can duly make your application:

Weston Poultry Unit

1. As you are now proposing to increase the duck places to 332,000 places, this constitutes a substantial variation, in accordance with Application form Part C3.5. The application charge for a substantial variation is £7,218, in accordance with Table 1.14 of our charging scheme, so you will need to submit the balance of £3,208 before we can class the application as 'duly made'. We will also need to advertise, and consult on, the application
2. With reference to Table 1.19 (1.19.2) of the [The Environment Agency \(Environmental Permitting and Abstraction Licensing\) \(England\) Charging Scheme 2022 \(publishing.service.gov.uk\)](https://publishing.service.gov.uk) a fixed charge of £779 is payable for a habitat assessment as there is a Special Area of Conservation (SAC) within the screening distance. Please note that the additional fee must be paid in full before we can class the application as 'duly made'.

Submit details of fan height and efflux velocity for the roof fans on the proposed houses replacing existing houses 1 to 4. **Sheds 1-4 Weston Poultry Unit**

3. Submit revisions to all relevant documents, detailing the addition of geese at the installation, outlining the houses which will be used for rearing each poultry type, and detailing the ventilation for the proposed houses 1 to 4. **Operating tech & Map showing Duck, Goose, Turkey**
4. Submit details of proposed bird numbers, cycle length, age (in days) when placement commences, growth details including average bird weight at each week of the cycle (or ideally a list of weights each day of the cycle, to enable an average weight for the whole cycle to be established), kill age and any downtime between cycles, for both ducks and geese.
5. Confirm the % of time the geese will be in the houses and % of time on the ranging area.
6. Submit details of bird numbers, cycle length, age (in days) when placement commences, growth details including average bird weight at each week of the cycle (or ideally a list of weights each day of the cycle, to enable an average weight for the whole cycle to be established), kill age and any downtime between cycles, for current permitted turkeys, plus confirmation of whether they are barn reared or free-range.
7. Submit details of the combination of duck, geese and turkey cycles/placements on the installation over a calendar year, i.e. detailing the week a cycle commences and ceases for each.
8. Submit evidence/justification to demonstrate that the addition of geese and ducks at the site, in-line with the cycles detailed in question 8 above, will represent a reduction in ammonia emissions when compared to the current permitted turkey rearing regime.

East Farm

1. With reference to Table 1.19 (1.19.2) of the [The Environment Agency \(Environmental Permitting and Abstraction Licensing\) \(England\) Charging Scheme 2022 \(publishing.service.gov.uk\)](https://publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/103121/Environment_Agency_-_Environmental_Permitting_and_Abstraction_Licensing_-_England_-_Charging_Scheme_2022.pdf) a fixed charge of £779 is payable for a habitat assessment as there is a Special Area of Conservation (SAC), Special Protection Area (SPA) and Ramsar within the screening distance. Please note that the additional fee must be paid in full before we can class the application as 'duly made'.
2. Submit details of the existing houses which will be removed from the installation and the proposed houses which will replace them, plus timescales for this work to be completed.
3. Submit details of any changes to the footprint of the houses, site drainage and ventilation, including confirmation of fan height and fan efflux velocity, as a result of the replacement of these houses, including provision of a new site boundary plan showing the location of the proposed houses within the installation boundary, and revisions to all relevant documents to reflect these changes.
4. Submit details of the proposed duck numbers, cycle length, age (in days) when placement commences, growth details including average bird weight at each week of the cycle (or ideally a list of weights each day of the cycle, to enable an average weight for the whole cycle to be established), kill age and any downtime between cycles.
5. Outline the houses which will be used for rearing each poultry type.
6. Submit details of the current permitted turkey numbers, cycle length, age (in days) when placement commences, growth details including average bird weight at each week of the cycle (or ideally a list of weights each day of the cycle, to enable an average weight for the whole cycle to be established), kill age and any downtime between cycles, plus confirmation of whether they are barn reared or free-range.
7. Submit evidence/justification to demonstrate that the addition of ducks at the site will represent a reduction in ammonia emissions when compared to the current permitted turkey rearing regime.

Once we have this information, we will be able to carry out an initial ammonia screening assessment for each site, comparing ammonia emissions from the current permitted installation with the proposed installation. This will provide us with more of an understanding of the impacts and will dictate whether or

not you will need to submit detailed ammonia modelling. Please note there would be an additional fee of £620 payable for each application if modelling is required. The modelling and fee would need to be submitted before the applications can be duly made.

The deadline for submitting this information is Friday 06/10/23.

If we do not receive the information and payment by this date we will return your application.

If we do receive the requested information and payment by this date, we'll continue to check your application. We'll check to see if there's enough information for the application to be 'duly made'. Duly made means that we have all the information we need to begin determination. Determination is where we assess your application and decide if we can allow what you've asked for.

We'll let you know by email whether your application can be duly made. If it can't be duly made, we'll return your application to you.

If we do have to return your application, we'll send you a partial refund of the application payment. We'll retain 20% of the application charge to cover our costs in reviewing your application and requesting information. This maximum amount we'll retain is capped at £1,500. Further information on charging can be found at: <https://www.gov.uk/government/publications/environmental-permits-and-abstraction-licences-tables-of-charges>

If you have any questions, please contact me.

Kind regards
Kate

Kate Wray
Senior Permitting Officer – Installations, National Permitting Service

Environment Agency: Trentside, Scarrington Road, West Bridgford, Nottingham, NG2 5FA
Email: [REDACTED]
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Working days: Tuesday to Friday



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