Pre-application Report

To: Nigel Pitt

Pre-application number: EPR/JP3337UT/V005

Deeping Poultry Unit
Main Road
Deeping St Nicholas
Spalding
Lincolnshire PE11 3BW

Date Completed 16 May 2016

Thank you for seeking advice before submitting an application for an Environmental Permit.
We have completed an initial ammonia screening assessment for your proposal to identify if you will need to submit a detailed modelling assessment with your application.

The screening assessment is based on your proposal to increase the permitted number of animal places at Deeping Poultry Unit from 399,000 to 740,000 broiler places.

Summary of the assessment:
Based on the information you have provided you do not need to submit detailed modelling with your application. Further information about the screening results is provided in detail in Annex 1.
Please include this report in your H1 Environmetnal Risk Assessment and submit with your completed application form to the address given below.

For an example H1 Environmental Risk Assessment refer to the example Intensive Farming EPR application available on the national archives for the Environment Agency Website:
http://webarchive.nationalarchives.gov.uk/20140328084622/http://www.environment-agency.gov.uk/business/sectors/40057.aspx

Applying for your permit

You will need to complete application form part C3.5
https://www.gov.uk/government/publications/application-to-vary-an-environmental-permit-part-c35

Your application should be sent to:

Permitting Support Centre
Environment Agency
Quadrant 2
99 Parkway Avenue
Parkway Business Park
Sheffield
S9 4WF

If you need further information about this screening assessment or applying for your permit please contact the following officer:

Environment Officer – Antony Mould on 02030 251974

Pre-application nature conservation data are correct at the time of screening. We will consider all nature conservation sites using best available information at the time of permitting. Our GIS data are updated regularly, and we are occasionally made aware of additional nature conservation sites by other organisations which we will consider when determining a permit.

The Environment Agency takes care to ensure that the conclusions of the screening assessment are correct at the time of preparation but reserves the right to change the basis of the assessment in the light of technical developments or changes in Environment Agency procedures.

Annex 1 Ammonia Screening Results

Screening Input

Grid Reference used for the assessment: 522979, 316716 (with 180m buffer)

Animal numbers and types

Animal numbers and types, housing systems assessed are listed below. The animal numbers and emission factors are based on an interpretation of the information provided by the applicant during the pre-application process and have been used in this initial risk assessment to identify if modelling is necessary.

Category of livestock	Housing system	Number of animal places	Ammonia Emission Factor (kg NH3/animal place/year)
Broilers	Roof ventilation only (vents greater than 5.5 metres high, fan efflux velocity greater than 11m/s)*	665,000	0.034
	Side ventilation, natural or combination ventilation Note this includes tunnel ventilation and cross ventilation	75,000	0.034
	Naturally ventilated or fan ventilated fully littered floor, non-leaking drinkers	Total 740,000	

* this can include gable end fans that are used for heat extraction only during the summer months

Screening Overview

This screening assessment has considered any Special Areas of Conservation (SAC), Special Protection Areas (SPA) and Ramsar sites within 10km; any Sites of Special Scientific Interest (SSSI) within 5km and also any National Nature Reserves (NNR), Local Nature Reserves (LNR), ancient woodlands and local wildlife sites (LWS) within 2km of the farm.

We have used the Environment Agency's Ammonia Screening Tool (AST v4.5) to assess the impact of your proposal at those sites identified within the above distance criteria.

We have applied a two stage screening criteria to the ammonia screening tool results:

For SAC, SPA, Ramsar and SSSIs the screening assessment has taken into account other intensive farms that could act in combination with the proposal.

Where the ammonia screening tool predicts that emissions of ammonia or ammonia deposition (nutrient nitrogen or acid) will be <Y% (see Table 1 below) of the relevant Critical Level or Critical Load, the proposal screens out of the requirement for an ammonia assessment.

Further modelling is required where:

- emissions of ammonia or ammonia deposition (nutrient nitrogen or acid) are in excess of Z% of the relevant Critical Level (ammonia) or Critical Load (nutrient nitrogen or acid) at any particular designated site;

- there is the potential for an in-combination effect with existing farms at a SAC, SPA, Ramsar and/or SSSI if emissions are > Y% of the critical level or critical load;

- the original permit for the installation required an Improvement Condition to reduce ammonia emissions;

- your proposal is within 250m of a nature conservation site.

Table 1 Screening thresholds

Designation	Y%	Z%
SAC, SPA, Ramsar	4	20
SSSI	20	50
NNR, LNR, LWS, ancient woodland	50	100

Screening Results

The ammonia impacts from the proposal screened out and therefore detailed modelling is not required.