

NYMNPA

19/12/2018

From: Will Tyson
Sent: 19 December 2018 12:25
To: Jill Bastow
Subject: Cumboots Dairy Farm - Livestock Building - NYM/2018/0659/FL

Dear Jill

Further to your recent meeting at the farm with James Emsley I write with regards to the points raised about drainage and manure with reference to the above application

I enclosed the following as attachments:

1. Manure storage details
2. Site plans with details of soakaway drainage

As you will see on the manure storage document the proposed livestock building will produce a fraction of the discussed amount in the letter from Natural England therefore we hope that this details ok.

With regards to soakaway drainage, the applicants have plans in place to direct clean rainwater from the building by the way of guttering and downpipes into a field soakaway drainage system to naturally runoff into agricultural land as shown on the plan.

I hope the above is all ok and I will write to you under separate cover with regards to the second storage building

Kind regards

Will

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For and on behalf of Cundalls Chartered Surveyors
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MANURE MANAGEMENT AT CUMBOOTS DAIRY FARM

Energy aspects of manure management - dairy cattle

On the average, a dairy cow produces 82 pounds of manure per day per 1000 pounds liveweight. Thus a Holstein (1400 pounds) cow produces 115 pounds (52kgs) of manure per day. Therefore in the case of the proposed new livestock building:

Available space for cows

Building area 560 square meters of cattle housing including feed passage

7.5 – 8.0 square meters required floor space per animal (The agricultural budgeting and costings book figures) therefore 7.7m².

7.7m² / 560 sq m = space for 73 cows in proposed building

Manure produced per year

In the case of Cumboots Dairy farm and the newly proposed livestock building the new shed will be used to house cows approximately 6 months of the year therefore approximately 180 days

180 days x 52 kgs / day of manure produced = 9.36 tonnes

9.36 t / cow x 73 cows = 683 tonnes

Therefore 683 tonnes of manure will be produced by the proposed new livestock building on an annual basis.

Manure management

All manure produced from the new livestock building will be stored within the building until being spread on the applicants own agricultural land to naturally decay into the soils. All spreading will take place when ground conditions are suitable. This is all in accordance with the farms farm assurance scheme.

