
From: JOHN COOK

Sent: 11 August 2021 15:22

To: Hilary Saunders

Subject: Re: FW: NYM/2020/0562/FL - Burgate Farm slurry store

Good afternoon Hilary

I have been in conversation with Elspeth about the proposed new slurry store. She asked me to rerun the Scail modelling under worst case scenarios (completely full for 365 days per year) and a typical scenario for both stores. The original store was a 1,000,000 gallon store and I asked the designer to spec. the new one at the same capacity. However, he has a slightly larger area on his plans for the same volume - this may possibly be because he stated on the plans that he excluded the corners. Thus in the worst case scenario the new one does emit slightly more kg of NH₃.

As stated previously, removing the dirty water from the new store means that it will fill up more slowly. So under a typical scenario the old one emitted 425 kg of NH₃ whereas the new one will emit 331 kg of NH₃.

I attach the 4 modelling runs for your consideration.

I shall be away next week so please use my mobile number if you wish to discuss any issues.

Many thanks

John

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