From: Zara Hanshaw Sent: 04 July 2022 16:52 To: Megan O'Mara

**Cc:** Planning

Subject: NYM/2022/0390 Redmire Farm, Tranmire

Good afternoon Megan,

I have reviewed the SCAIL information submitted as part of this application and used it to complete the calculation. By my calculations, the development is breaching the critical load for nitrogen deposition (>1%) for the North York Moors SPA, SAC and SSSI, coming in at 26.99%, 26.61% and 26.61% respectively. This is showing different results from the preliminary information provided in the SCAIL screenshots that have been submitted, so I have attached my results and screenshots of my inputs in case there's an error there! Also, the supporting agricultural information states that there are 31 cows, but only 12 have been included in the SCAIL assessment; I have run the SCAIL calculation on the basis of 12 cows. If the nitrogen deposition does exceeds 1% then there is a likely significant effect on the adjacent SAC and SPA and therefore the development would contravene the Conservation of Habitats and

Species Regulations 2017, and would not be acceptable. As a SCAIL is only a simple assessment, I would therefore recommend that a detailed air quality assessment is completed, by an air quality specialist.

Best wishes,

Zara Hanshaw ACIEEM Assistant Ecologist (she/her)

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