

Springwell Solar Farm

Environmental Statement

Appendix 6.1: Air Quality Stakeholder
Engagement Activities

Volume 3

EN010149/APP/6.3
November 2024
Springwell Energyfarm Ltd

APFP Regulation 5(2)(a)
Planning Act 2008
Infrastructure Planning
(Applications: Prescribed Forms and
Procedure) Regulations 2009



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1. Consultation on the Air Quality Method Statement

Table 1: Annual Mean NO₂ Concentrations at the Diffusion Tube Locations within 4.5km of the Proposed Development Site

Site ID	Location	Site type	Approximate Distance from Site (km)	Annual Mean NO ₂ Concentrations (µg/m ³)				
				2017	2018	2019	2020	2021
Ruskington	Winchelsea Road	Roadside	4.3	10.6	14.7	13.3	10.7	11.5

2. Estimated Background Data

In addition to the local monitoring data, estimated background air quality data available from the LAQM-Tools website, may also be used to establish likely background air quality conditions at the proposed development site.

This website provides estimated annual average background concentrations of NO₂, PM₁₀ and PM_{2.5} on a 1km² grid basis. Table 2 identifies estimated annual average background concentrations for the grid square containing the proposed development site for years from 2023 to 2025. No exceedances of the NO₂, PM₁₀ or PM_{2.5} annual mean AQSs are predicted. As background concentrations are predicted to fall with time, background concentrations in future years would not be expected to exceed their respective annual mean standards.

Table 2: Estimated Background Annual Average NO₂, PM₁₀ and PM_{2.5} Concentrations at Proposed Development Site

Assessment Year	Estimated Annual Average Pollutant Concentrations Derived from the LAQM Website (µg/m ³)		
	Annual Average NO ₂	Annual Average PM ₁₀	Annual Average PM _{2.5}
2023	6.7	15.3	8.2
2024	6.5	15.1	8.0
2025	6.2	15.0	7.9
AQS	40	40	20

Note: Presented concentrations for 1 km² grid centred on 506500, 356500; approximate centre of development site is 506382, 356551.

3. Outline of Assessment Approach

The assessment will address potential impacts during both the construction, operational and decommissioning phases of the proposed development.

During construction and decommissioning, air quality impacts are likely to be local to the development and will be temporary in nature (i.e. during the construction and decommissioning phases only). A qualitative study, based on the Institute of Air Quality Management (IAQM) 'Guidance on the assessment of dust from demolition and construction' document, will be undertaken to assess potential construction and



decommissioning phases impacts. The assessment will identify a range of mitigation measures aimed at minimising construction and decommissioning impacts (fugitive dust emissions).

A screening level qualitative assessment will be undertaken with reference to the Environmental Protection UK (EPUK) and IAQM guidance entitled '*Land-Use and Development Control: Planning for Air Quality*' to assess the potential impacts of construction and decommissioning phases traffic exhaust emissions.

Given the nature of the proposed development, no site activities resulting in significant emissions to air are anticipated during operation and there will only be limited movement of vehicles to the site for maintenance. Operational phase will be scoped out from the assessment.

4. Interpretation

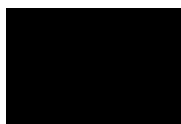
The qualitative assessment results will be interpreted with reference to national and local legislation, policy and guidance including guidance provided by the IAQM, EPUK and the National Air Quality Strategy. An environmental statement will be produced for submission with the EIA planning application for the proposed development.

We would like to address any of your comments or concerns in the air quality assessment for the proposed development and would be grateful for your feedback. Please do not hesitate to contact the undersigned if you would like to discuss any aspects of the proposed methodology detailed above.

Yours sincerely,

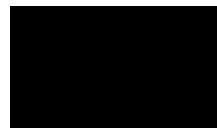
For RSK Environment Ltd

Prepared by:



Senior Air Quality Consultant

Reviewed by:

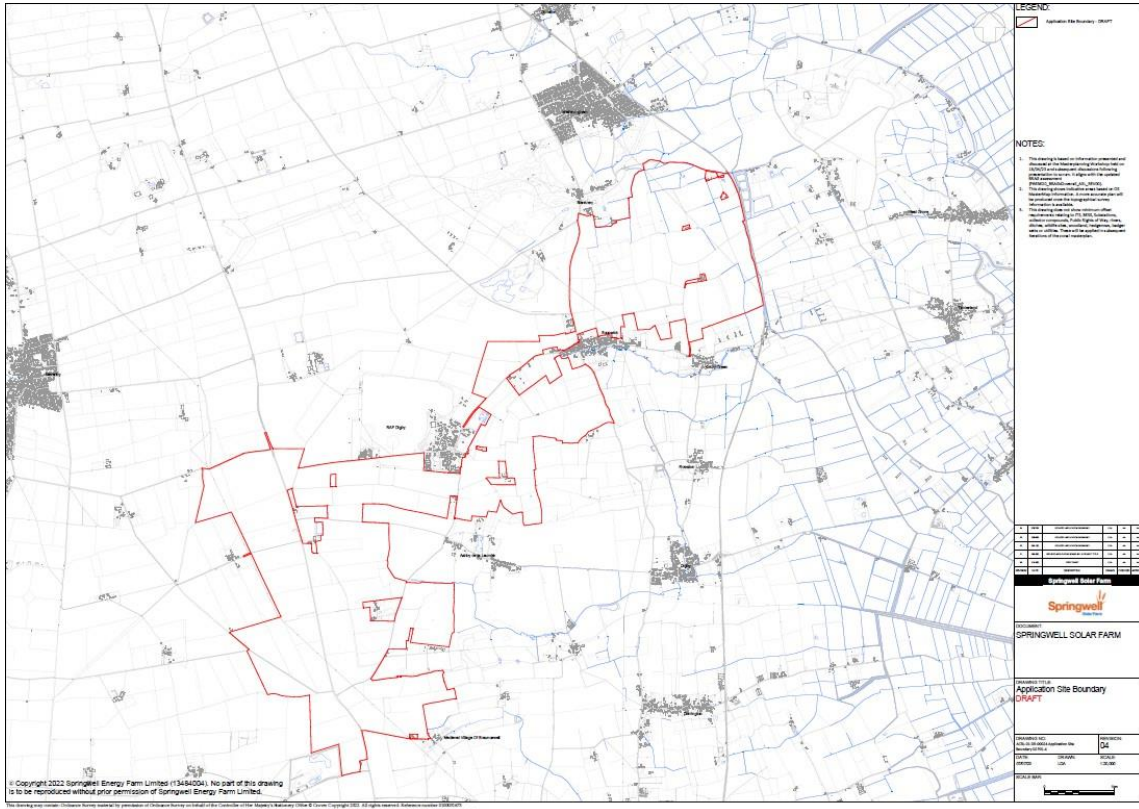


Senior Air Quality Consultant



Appendix A

Figure 1: Location of the Proposed Development Site



[REDACTED]

From: [REDACTED]
Sent: 01 August 2023 09:30
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Request for Comments on the Air Quality Assessment Method Statement - Springwell Solar Farm

CAUTION: This email originated from outside the Organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello [REDACTED]

Many thanks for your email.

I have reviewed the method statement and I'm satisfied with the suggested approach.

Kind regards
[REDACTED]



[REDACTED]
Environmental Health Officer

[REDACTED]
www.n-kesteven.gov.uk
Kesteven Street, Sleaford, NG34 7EF

How was your experience while contacting us today?

Tell us here



From: [REDACTED]
Sent: Monday, July 31, 2023 1:23 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: Request for Comments on the Air Quality Assessment Method Statement - Springwell Solar Farm

CAUTION: External email, think before you click!

Dear Mr [REDACTED],

Hope you are well.

We are instructed to undertake an air quality assessment for the proposed Springwell Solar Farm and our proposed assessment approach is attached herewith.

We shall be grateful for any of your comments. Please let me know if you want us to provide any further details.

Thanks ever so much for your time.

Kind regards,

[REDACTED]
MSc, BSc (Hons), AMIEnvSc, AMIAQM
Senior Air Quality Consultant

RSK
18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT, UK
[REDACTED]
[REDACTED]



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Before printing think about your responsibility and commitment to the ENVIRONMENT

2. Consultation on the Air Quality Assessment of Early Decommissioning

[Redacted]

From: [Redacted]
Sent: 10 April 2024 12:17
To: [Redacted]
Cc: [Redacted]
Subject: RE: Request for Comments on the Air Quality Assessment Method Statement - Springwell Solar Farm

CAUTION: This email originated from outside the Organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello [Redacted]

Apologies for the delayed response.

Please could you assess for early decommissioning at year 20.

Kind regards

[Redacted]



[Redacted]

Environmental Health Officer

[Redacted]

[Redacted]

www.n-kesteven.gov.uk
Kesteven Street, Sleaford, NG34 7EF

Lots of our services are available at

www.n-kesteven.gov.uk

You can apply for help, report a problem, find your bin days and lots more, all from our website.



From: [Redacted]
Sent: Wednesday, April 3, 2024 4:39 PM
To: [Redacted]
Cc: [Redacted]
Subject: RE: Request for Comments on the Air Quality Assessment Method Statement - Springwell Solar Farm

CAUTION: External email, think before you click!

Good afternoon [Redacted],

Hope you are well.

I am getting in touch regarding the comments received from NKDC during the Statutory Consultation. NKDC's comments state the following:

'For the purposes of this preliminary assessment, the decommissioning year is assumed to be 40 years from opening, the Council will require the DCO to address and present measures for early decommissioning in the

3. Consultation on the Changes on the Scope of the Construction Phase Dust Risk Assessment

[Redacted]

From: [Redacted]
Sent: 26 June 2024 12:43
To: [Redacted]
Cc: [Redacted]
Subject: RE: Request for Comments on the Changes on the Scope of the Dust Risk Assessment - Springwell Solar Farm

CAUTION: This email originated from outside the Organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi [Redacted]

Many thanks for your email. I have no objections to your proposed approach.

Kind regards

[Redacted]



[Redacted]

Environmental Health Officer

[Redacted]

[Redacted]

www.n-kesteven.gov.uk
Kesteven Street, Sleaford, NG34 7EF



From: [Redacted]
Sent: Wednesday, June 26, 2024 11:56 AM
To: [Redacted]
Cc: [Redacted]
Subject: RE: Request for Comments on the Changes on the Scope of the Dust Risk Assessment - Springwell Solar Farm

Morning [Redacted]

Many thanks for copying me in and can I just request that my colleague [Redacted] is copied in on replies as [Redacted] will be leading on these matters going forward?

Many thanks

[Redacted]



[Redacted]
Development Manager

[Redacted]
[Redacted]
www.n-kesteven.gov.uk
Kesteven Street, Sleaford, NG34 7EF



From: [Redacted]
Sent: Wednesday, June 26, 2024 9:55 AM
To: [Redacted]
Cc: [Redacted]
Subject: Request for Comments on the Changes on the Scope of the Dust Risk Assessment - Springwell Solar Farm

CAUTION: External email, think before you click!

Good morning [Redacted],

Hope all is well.

I am writing to seek your agreement on the changes on the scope of the dust risk assessment.

We have scoped out the assessment of demolition works during construction phase in the scoping report and PEIR as there are no demolition works proposed at the time of writing. However, as we now have the design freeze for the ES chapter, we understood that demolition of an existing wooden barn (Beckside Barn with 250m² approximately total footprint) which sits in Springwell Central is proposed as part of the construction. Therefore, for a comprehensive assessment, we propose to undertake dust risk assessment for all four construction activities (i.e. demolition, earthworks, construction, trackout) during construction phase.

Please could you confirm if you are happy with this approach and therefore we will start preparing the ES chapter for submission?

Many thanks.

Kind regards,

[Redacted]

[Redacted]
MSc, BSc(Hons), AMIEnvSc, AMIAQM
Senior Air Quality Consultant
Air Quality & Permitting
RSK Environment Ltd



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