

Rosefield Solar Farm

Environmental Statement

Volume 4

Appendix 11.2: UXO Risk Assessment

EN010158/APP/6.4
September 2025
Rosefield Energyfarm Limited

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



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1. Introduction

1.1. Purpose of this document

- 1.1.1. This ground investigation factual report has been prepared on behalf of Rosefield Energyfarm Limited ('the Applicant') to obtain historical data regarding Military activity in the different areas of the Proposed Development and determine the Unexploded Ordinance (UXO) hazard level on the site.

1.2. The Order Limits

- 1.2.1. The extent of the Proposed Development is shown in **ES Volume 3, Figure 1.2: Order Limits [EN010158/APP/6.3]** and is described in full in **ES Volume 1, Chapter 3: Proposed Development Description [EN010158/APP/6.1]**. The **Illustrative Layout Plans & Sections [EN010158/APP/2.6]** show one way in which the different areas of the Proposed Development can be accommodated within the Order Limits, within the parameters shown on the **Works Plans [EN010158/APP/2.3]** and in accordance with the **Design Commitments [EN010158/APP/5.9]**.

1.3. The Proposed Development

- 1.3.1. A summary of the description of the Proposed Development can be found in Section 3.1 of the **Environmental Statement (ES) Volume 1, Chapter 3: Proposed Development Description [EN010158/APP/6.1]**. The terminology used in this document is defined in the **Glossary [EN010158/APP/6.4]**.

2. UXO assessment results

2.1. Parcel 1 – Calvert, Buckinghamshire

Assessment	Outcome
Pre-WWI Military Activity on or Affecting the Site	None Identified.
WWI Military Activity on or Affecting the Site	None Identified.
WWI Strategic Targets (within 5km of Site)	<p>The following strategic targets were located in the vicinity of the site:</p> <ul style="list-style-type: none"> - Transport infrastructure and public utilities. - Military camps and training areas.
WWI Bombing	None identified.
Interwar Military Activity on or affecting the Site	None identified.
WWII Military Activity on or affecting the Site	None Identified.
WWII Strategic Targets (within 5km of Site)	<p>The following strategic targets were located in the vicinity of the site:</p> <ul style="list-style-type: none"> - Transport infrastructure and public utilities. - Military camps and training areas.
WWII Bombing decoys (within 5km of Site)	None identified.
WWII Bombing	<p>During WWII the site was located in the Rural District (RD) of Buckingham, which officially recorded 89No. High explosive (HE) bombs with a bombing density of 1.6 bombs per 405 hectares (ha).</p>

Readily available records have been found to indicate that 1 No. HE bomb fell on the Site and exploded.

No records have been found to indicate any further bombing on the Site.

Post-WWII Military Activity on or affecting the Site

None Identified.

2.2. Parcel 1a – Calvert, Buckinghamshire

Assessment	Outcome
Pre-WWI Military Activity on or Affecting the Site	None Identified.
WWI Military Activity on or Affecting the Site	None Identified.
WWI Strategic Targets (within 5km of Site)	<p>The following strategic targets were located in the vicinity of the site:</p> <ul style="list-style-type: none"> - Transport infrastructure and public utilities. - Military camps and training areas.
WWI Bombing	None identified.
Interwar Military Activity on or affecting the Site	None identified.
WWII Military Activity on or affecting the Site	None Identified.
WWII Strategic Targets (within 5km of Site)	<p>The following strategic targets were located in the vicinity of the site:</p> <ul style="list-style-type: none"> - Transport infrastructure and public utilities.

Assessment	Outcome
	- Military camps and training areas.
WWII Bombing decoys (within 5km of Site)	None identified.
WWII Bombing	<p>During WWII the site was located in the Rural District (RD) of Buckingham, close to the boundary with Aylesbury RD.</p> <p>Buckingham RD officially recorded 89No. High explosive (HE) bombs with a bombing density of 1.6 bombs per 405 hectares (ha).</p> <p>Aylesbury RD officially recorded 318No. HE bombs with a bombing density of 3.5 bombs per 405ha.</p> <p>No readily available records have been found to indicate that the site was bombed.</p>
Post-WWII Military Activity on or affecting the Site	None Identified.

2.3. Parcel 2 – Botolph Claydon, Buckinghamshire

Assessment	Outcome
Pre-WWI Military Activity on or Affecting the Site	None Identified.
WWI Military Activity on or Affecting the Site	None Identified.
WWI Strategic Targets (within 5km of Site)	<p>The following strategic targets were located in the vicinity of the site:</p> <ul style="list-style-type: none"> - Transport infrastructure and public utilities.

Assessment	Outcome
	<ul style="list-style-type: none"> - Military camps and training areas.
WWI Bombing	None identified.
Interwar Military Activity on or affecting the Site	None identified.
WWII Military Activity on or affecting the Site	None Identified.
WWII Strategic Targets (within 5km of Site)	<p>The following strategic targets were located in the vicinity of the site:</p> <ul style="list-style-type: none"> - Transport infrastructure and public utilities. - Military camps and training areas.
WWII Bombing decoys (within 5km of Site)	None identified.
WWII Bombing	<p>During WWII the site straddled the boundaries between the Rural District (RD) of Aylesbury, Buckingham and Winslow.</p> <p>Aylesbury RD officially recorded 318No. HE bombs with a bombing density of 3.5 bombs per 405 hectares (ha).</p> <p>Buckingham RD officially recorded 89No. High explosive (HE) bombs with a bombing density of 1.6 bombs per 405ha.</p> <p>Winslow RD officially recorded 50No. HE bombs with a bombing density of 1.4 bombs per 405ha.</p> <p>No readily available records have been found to indicate that the site was bombed.</p>

Assessment		Outcome
Post-WWII Military Activity on or affecting the Site		None Identified.

2.4. Parcel 3 – East Claydon, Buckinghamshire

Assessment	Outcome
Pre-WWI Military Activity on or Affecting the Site	None Identified.
WWI Military Activity on or Affecting the Site	None Identified.
WWI Strategic Targets (within 5km of Site)	<p>The following strategic targets were located in the vicinity of the site:</p> <ul style="list-style-type: none"> - Transport infrastructure and public utilities. - Military camps and training areas.
WWI Bombing	None identified.
Interwar Military Activity on or affecting the Site	None identified.
WWII Military Activity on or affecting the Site	<p>Lower Hogshow Bombing Range was established in close proximity to the site. It was used to train Royal Air Force (RAF) and United States Army Air Force (USAAF) personnel in precision bombing.</p>
WWII Strategic Targets (within 5km of Site)	<p>The following strategic targets were located in the vicinity of the site:</p> <ul style="list-style-type: none"> - Transport infrastructure and public utilities. - Military camps and training areas. - RAF Little Horwood.
WWII Bombing decoys (within 5km of Site)	None identified.

Assessment	Outcome
WWII Bombing	<p>During WWII the site was located in the Rural District (RD) of Winslow, which officially recorded 50 No. High Explosive (HE) bombs with a bombing density of 1.4 bombs per 405 hectares (ha).</p> <p>No readily available records have been found to indicate that the site was bombed.</p>
Post-WWII Military Activity on or affecting the Site	None Identified.

3. Recommendation

Parcel	Recommendation
Parcel 1	A detailed desk study, whilst always prudent, is not considered essential in this instance.
Parcel 1a	A detailed desk study, whilst always prudent, is not considered essential in this instance.
Parcel 2	A detailed desk study, whilst always prudent, is not considered essential in this instance.
Parcel 3	It is recommended that a detailed desk study is commissioned to assess, and potentially zone, the Unexploded Ordinance (UXO) hazard level on the site.



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