

Annex EF33 of Dr E J Fordham Interested Party – Unique Reference: 20030698
EN010106 – Sunnica Energy Farm

Letter from Health and Safety Executive for Northern Ireland

Re: Planning application LA08/2021/0611/F

HSENI Ref: CN202105-0010

LPA: Armagh City, Banbridge & Craigavon Local Planning Office

Date: 20 May 2021

Armagh City, Banbridge & Craigavon Local Planning Office
Bridgewater House
Planning Office
23a Castlewellan Road
Banbridge
BT32 4AX

20 May 2021

Dear Sir/Madam

Planning Ref LA08/2021/0611/F

HSENI Ref: CN202105-0010

Lands 50m NE of 47 Drumbroneth Rd, Dromore BT25 1PP

The Health and Safety Executive for Northern Ireland (HSENI) is a statutory consultee for developments within the consultation distance's (CD's) of high-pressure gas transmission pipelines or major hazard installations regulated under the Control of Major Accident Hazards Regulations (Northern Ireland) 2015 (COMAH).

HSENI is also a statutory consultee for planning applications for Hazardous Substances Consent (HSC) and should be consulted regarding developments within 100 metres of the boundary of a quarry.

HSENI advises that the applicant should provide information on the type and mass of dangerous substance for the following:

- Produced from a fire or explosion.
- Stored or produced during normal operation.

This information is required to assess the applicability of Hazardous Substance Consent and the COMAH Regulations.

The Classification, Labelling and Packaging of Chemicals (Amendment) Regulations (Northern Ireland) 2015 defines dangerous substances.

HSENI has the following comments to make with regards the application based on information available;

HSENI commissioned a study into the risks associated with a fire/explosion in a single BESS container and for the worst-case scenario;

- The pressure wave from a blast can generate an overpressure of 70 mbar, 45m from the container. For reference, a 70 mbar overpressure can partially demolish a house.
- Hydrogen fluoride produced from a fire can cause severe and fatal effects up to 45m and immediate dangers to health 240m away from a container fire.

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Northern Ireland**

Analysis of geographic information (GI), indicates one dwelling within 50m and several dwellings within 240m of the proposed development.

The above is for guidance only. It is the legal duty of the operator to identify the risks and consequences of their operation.

HSENI does not have information on the impact of firewater runoff on the environment. There may be specific concerns if the firewater is not contained and can reach sensitive environmental receptors. Agencies such as the Northern Ireland Environment Agency are the appropriate consultees to comment on this matter.

Yours faithfully

Notifications Team, HSENI

► **Health & Safety Executive
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