

An
Bord
Pleanála

Memorandum ABP-317810 - Request for Further Information under Section 131

To: Paul Caprani, ADP
From: Laura Finn, PI
Re: 317810 - Request for Further Information
Date: 12th January 2024

Having regard to the content of the submission made by the Health and Safety Authority (HSA), I am of the opinion that further information is required from the Applicant in order to assist further with my assessment of this application as detailed below;

- The HSA on 21st December 2023 requested further information from the applicant in order to provide technical advice on the application. (Copy of response enclosed)
- The HSA has stated that the response provided by the Application in Sections 4.1 and 4.2 & 4.19 is not sufficient to provide technical advice on the application. The HSA also requires that the Land use-planning assessment submitted be updated accordingly to fully address the queries outlined in their request for further information dated 2nd October 2023. (Copy of response enclosed)
- I am requesting the applicant review the request from the HSA and respond as appropriate.

Laura Finn

Sign off from Paul C.

From: Paul Caprani
Sent: Tuesday 2 January 2024 15:29
To: Laura Finn
Subject: RE: ABP-317810-23

Hi Laura, happy new year.

In relation to the above HSA letter, I think you may have no option but to go out on FI as it appears that the information required is of a specific technical nature, such that the Board may not be in a position to determine the application in the absence of HSA advice.

However if you are of the opinion that the applicant had the opportunity to submit the required information already, and has not done so, even though the information sought from the applicant was clear and unambiguous, it is in my opinion that it is open for you to recommend a refusal of permission but noting in your report that **the applicant was given a clear opportunity to address the concerns of the HSA but have not done so in the submission originally furnished to the Board.**

If you do decide to request a further round of FI, make sure that the information sought by the HSA from the applicant is specific, explicit, precise and comprehensive. This should be the applicants last bite of the cherry to respond. Allow the applicant 3 weeks to respond.

Hope that answers your query ?

Enjoy the rest of the time off - See you next week

Paul

From: Laura Finn
Sent: Tuesday 2 January 2024 15:06
To: Paul Caprani
Subject: FW: ABP-317810-23

Hi Paul,

Can you confirm that you are happy for me to go back out to the HAS on this. I am on holiday this week but would like to get this out asap.

Kind Regards

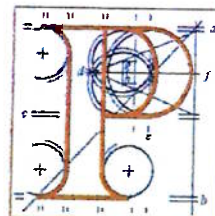
Laura Finn
Inspectorate
Ext: 7353

Má fhaigheann tú an ríomhphost seo lasmuigh de na gnáthuaireanta oibre, ní bheidh mé ag súil le freagra ná gníomh lasmuigh de d'uaireanta oibre féin.

If you receive this email outside of normal working hours, I do not expect a response or action outside of your own working hours.

From: SIDS <sids@pleanala.ie>
Sent: Friday, December 22, 2023 2:55 PM

Our Case Number: ABP-317810-23



**An
Bord
Pleanála**

Health and Safety Authority
The Metropolitan Building
James Joyce Street
Dublin
Dublin 1

Date: 22 December 2023

Re: Open Cycle Gas turbine power plant (350MW) and associated infrastructure
Located on land to the north of Tynagh Power Station, Derryfrench, Tynagh, Loughrea, Co. Galway.

Dear Sir / Madam,

An Bord Pleanála has received your recent letter in relation to the above mentioned case. The contents of your letter have been noted.

If you have any queries in the meantime, please contact the undersigned officer of the Board or email sids@pleanala.ie quoting the above mentioned An Bord Pleanála reference number in any correspondence with the Board.

Yours faithfully,

Ashling Doherty
Executive Officer
Direct Line: 01-8737160

PA36

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64 Sráid Maoilbhríde	64 Marlborough Street
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D01 V902	D01 V902

Ashling Doherty

From: Geoff Hynes <Geoff_Hynes@hsa.ie>
Sent: Thursday 21 December 2023 16:33
To: SIDS
Subject: RE: ABP-317810-23
Attachments: ABP-317810-23 Tynagh North OCGT PAR 4169 Response to ABP.pdf

To whom it may concern,

Please see attached in relation to the above referenced development.

Regards,

Geoff

Geoff Hynes
Inspector | CCPS Unit | Health & Safety Authority
Mobile: 087-6002298
Email: geoff_hynes@hsa.ie
Web: www.hsa.ie

Health and Safety Authority,
Metropolitan Building,
James Joyce Street,
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An tÚdarás Sláinte agus Sábháilteachta,
An Foirgneamh Uirbeach,
Sráid James Joyce,
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Ár bhFís: Saolta agus fiontair shláintiúla, shábháilte agus tháirgiúla
Our Vision: Healthy, safe and productive lives and enterprises

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An tÚdarás Sláinte agus Sábháilteachta
Health and Safety Authority

☎ 0818 289 389 ☎ landuseplanning@hsa.ie ☎ www.hsa.ie

An Bord Pleanála
64 Marlborough Street
Dublin 1
D01 V902
By email to: sids@pleanala.ie

Our Ref PAR 4169

21st December 2023

Re: ABP-317810-23, Open cycle gas turbine power plant (350 MW) and associated infrastructure located on land to the North of Tynagh power station, Derryfrench, Tynagh, Loughrea, Co. Galway

Dear Sir / Madam,

I am writing to you in response to a request for technical advice in relation to the above development. Following submission of the Authority's request for further information on 2nd October 2023, I now acknowledge receipt of the applicant's response, received from you on 8th December 2023.

The Health and Safety Authority can confirm, from the details received, that the development will constitute a new lower tier COMAH establishment.

However, the response provided by the Applicant in sections 4.1 and 4.2 & 4.19 is not sufficient to provide technical advice on the application. The Authority requires that the Land use-planning assessment submitted be updated accordingly to fully address the queries outlined in our request for further information on 2nd October 2023.

If you have any queries please contact the undersigned.

Yours sincerely

Geoff Hynes
Inspector,
COMAH, Chemical Production & Storage (CCPS)

Encl: Note on the Approach of the HSA to the Provision of Land-use Planning Advice



An tÚdarás Sláinte agus Sábháilteachta
Health and Safety Authority

☎ 0818 289 389 ✉ landuseplanning@hsa.ie 🌐 www.hsa.ie

Note on the Approach of the HSA to the Provision of Land-use Planning advice.

The Authority, acting as the Central Competent Authority under the Chemicals Act (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2015 (S.I. 209 of 2015), gives technical advice in response to a notice sent by a planning authority under Part 11 of the Planning and Development Regulations 2001-2015. Under Regulation 24(2) of S.I. 209 of 2015, the technical advice on the effects of a proposed development on the risk or consequences of a major accident relates to the following types of developments within the consultation distance for an establishment:

- (a) the siting and development of new establishments;
- (b) modifications to establishments of the type described in Regulation 12(1);
- (c) new developments including transport routes, locations of public use and residential areas in the vicinity of establishments, where the siting, modifications or developments may be the source of, or increase the risk or consequences of, a major accident.

The advice given is for the purposes of assessing new development only. A full explanation of the Authority's Land Use Planning advice system can be found at http://www.hsa.ie/eng/Your_Industry/Chemicals/COMAH/Land_Use_Planning/

Your attention is drawn to Regulation 24(3) of S.I. 209 of 2015:

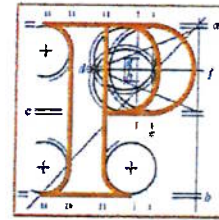
(3) The technical advice provided by the Central Competent Authority to a planning authority pursuant to paragraph (2) may be generic or case specific in nature and shall be so formulated that it will assist the planning authority to take into account the need, in the long term—

- (a) to maintain appropriate safety distances between establishments covered by these Regulations and residential areas, buildings and areas of public use, recreational areas, and, as far as possible, major transport routes;*
- (b) to protect areas of particular natural sensitivity or interest in the vicinity of establishments, where appropriate through appropriate safety distances or other relevant measures; and*
- (c) for the operator to take additional technical measures, in the case of existing establishments, in accordance with Regulation 7, so as not to increase the risks to human health and the environment.*

In giving its advice the Authority does not deal with routine emissions. Such emissions will be subject to EPA or Local Authority scrutiny and control.

The operator of an establishment covered by S.I. 209 of 2015 is also required to take all necessary measures to prevent major accidents occurring and to limit the consequences of any such major accidents for human health and the environment

Our Case Number: ABP-317810-23



An
Bord
Pleanála

Health and Safety Authority
The Metropolitan Building
James Joyce Street
Dublin
Dublin 1

Date: 05 October 2023

Re: Open Cycle Gas turbine power plant (350MW) and associated infrastructure
Located on land to the north of Tynagh Power Station, Derryfrench, Tynagh, Loughrea, Co. Galway.

Dear Sir / Madam,

An Bord Pleanála has received your response in relation to the above mentioned proposed development and will take it into consideration in its determination of the matter.

The Board will revert to you in due course in respect of this matter.

Please be advised that copies of all submissions / observations received in relation to the application will be made available for public inspection at the offices of the local authority and at the offices of An Bord Pleanála when they have been processed by the Board.

More detailed information in relation to strategic infrastructure development can be viewed on the Board's website: www.pleanala.ie.

If you have any queries in the meantime, please contact the undersigned officer of the Board or email sids@pleanala.ie quoting the above mentioned An Bord Pleanála reference number in any correspondence with the Board.

Yours faithfully,

PP EGM

Niamh Hickey
Executive Officer
Direct Line: 01-8737145

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An tÚdarás Sláinte agus Sábháilteachta
Health and Safety Authority

☎ 0818 289 389 ✉ landuseplanning@hsa.ie 🌐 www.hsa.ie

An Bord Pleanála,
64 Marlborough street,
Dublin 1
D01 V902
By email to sids@pleanala.ie

Our Ref: PAR 4169

02/10/2023

Re: Proposed strategic infrastructure development [ABP-317810-23] by EP Energy Development Ltd. Park North of Tynagh power station, Derryfrench, Tynagh, Loughrea, Co. Galway

To whom it may concern,

The Health and Safety Authority (the Authority), acting as the Central Competent Authority under the Chemicals Act (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2015 (S.I. 209 of 2015), gives technical advice to the planning body when requested, under regulation 24(2) in relation to:

- (a) the siting and development of new establishments;
- (b) modifications to establishments of the type described in Regulation 12(1);
- (c) new developments including transport routes, locations of public use and residential areas in the vicinity of establishments, where the siting, modifications or developments may be the source of, or increase the risk or consequences of, a major accident.

The Authority currently has insufficient information to provide technical advice on this application, therefore the Authority requests the Planning body to seek further information in accordance with regulation 24(10) from the applicant in relation to this application.

See attachment 1 for further clarification required on the COMAH Land Use Planning Assessment for Tynagh OCGT North

The Authority will be in a position to provide advice to An Bord Pleanála within 4 weeks of receipt of the requested information.

If you have any queries please contact the undersigned.

Attachment 1

1. The report should include a drawing showing the site boundaries and the location/routes of all major hazards for all three COMAH installations – the current Tynagh Energy site, along with the Tynagh South and North sites. The drawing should show over ground and underground gas pipelines, AGIs, fuel storage bunds, CCGT and OCGT gas turbine enclosure locations, power station turbine hall, hydrogen operations etc. The report does not make clear the location of the Tynagh North OCGT turbine enclosures (only the AGI, fuel bund and underground gas pipelines are shown).
2. Section 7.2 indicates that these are 3 separate sites within a domino group. But Section 7.3 states that they “all share administration and workshop space. In addition, the three sites will have a single security gatehouse”. In terms of the COMAH Regulations, each COMAH establishment shall have a clear boundary, it is not permissible to traverse one establishment to access another. Further details required on shared facilities to determine compliance with COMAH Regulations
3. Clarification is required on the inventory of dangerous substances to be stored/used on the proposed site.
4. Section 5.1 – the report does not seem to consider the risks associated with a VCE in a gas turbine enclosure for the OCGT. This should be justified or included in the assessment.
5. Section 5.1 – the report does not seem to consider the risks associated with the AGI. This should be justified or included in the assessment.
6. Also, to note in section 5.1, and 5.2.1 – rupture of a natural gas pipeline and a pipeline rupture can lead to a fireball. This should be considered as it is often the dominant risk.
7. Section 5.2.1 Table 4 – the HSA refs should be to HSE Events #087 and #088 in the current TLUP (February 2023)
8. Section 5.2.1 - actual diameter and routes of the 75 bar and 30 bar gas pipelines to be set out. (250mm seems to be an ‘example’).
9. Section 5.2.2.1 – vertical jet fires have been modelled as per the current advice in TLUP Section 2.9. This may be reasonable in some cases, but it is now more standard/conservative to consider a horizontal jet fire. This may be particularly important when considering the risk of escalation/domino events. Horizontal jet fire to be modelled.
10. Section 5.2.2.1 – details on which model was used to generate the jet fire hazard ranges? It would help to quote all the key modelling inputs.
11. Section 5.2.2.2 – no information is provided on flash fire hazard ranges. How have flash fires been modelled?
12. Section 5.2.2.2 – provide detail on meteorological data probabilities (i.e. 80/20 for D5/F2) or wind rose, which are relevant for flash fires for gas releases.
13. Section 5.2.2.3 – provide detail on the direction used for the release for pipeline VCE hazards?
14. Section 5.2.3 – what approach has been taken to ignition location for gas pipeline VCE events?
15. Section 5.3.1 Table 7 – HSA refs should be Events #123, #125, #127.
16. Section 5.3.1 Table 7 – what model has been used to calculate these pool fire hazard ranges? And what material was used to represent distillate? It would help to quote all the key modelling inputs.
17. Section 5.3.2 – what frequency has been used for an overtop pool fire? TLUP Section 3.6.3 indicates 5×10^{-3} /yr per tank, provide further detail.
18. Section 6.3 – provide detail on how the risks to people indoors from overpressure have been evaluated?
19. In terms of the domino risk set out in Section 7.1, you are required to complete an assessment of the domino risk from the proposed North OCGT to the other two sites i.e. the operational Tynagh