

Our ref: 315894 R02 (00)

Date: 3rd July 2025

Tata Steel UK Ltd
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For the attention of Robert Naylor

**EAF Project
Mining Gas Risk Assessment Review**

Following our recent correspondence this review letter has been prepared to summarise the previously completed risk assessment and remedial recommendations with respect to mine and ground gases at the site of the Electric Arc Furnace (EAF), Port Talbot.

RSK Geosciences have not had sight of the full planning document but a provided excerpt of the condition relating to mine gases states:

“A detailed Mine Gas Risk Assessment, a report detailing the outcome of the suitable site investigation and lines of evidence risk assessment in accordance with CL:AIRE - Good Practice for Risk Assessment for Coal Mine Gas Emissions, October 2021' and having regard to current guidance - 'Land Contamination: Risk Management LCRM; 2020 shall be submitted to and approved by the Local Planning Authority. If the Detailed Mine Gas Risk Assessment concludes remediation is required to mitigate the risk, the report shall also include a Remediation Scheme with full details of the design of gas protection measures and a Verification Plan as described in CIRIA C735 - 'Good practice on the testing and verification of protection systems for buildings against hazardous ground gases'. The development shall be constructed in accordance with the scheme as approved.”

As part of the RSK Geosciences report 315531-R03 (04) dated February 2025, mine gases were discounted as potentially significant within the Conceptual Site Model (CSM). Due to the potential viability of other ground gas generation sources and associated contaminant linkages, extensive ground gas monitoring was undertaken and discussed in detail therein. The report concluded that there was a risk, albeit it low, from ground gases to the proposed development and remedial measures were considered necessary.



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The subsequent RSK Geosciences Remedial Strategy 315894 R01 (01) dated May 2025, discussed the nature and extent of gas protection within the various structures across the site. The level of protection was dictated by the type of structure and level of occupation/person entry.

In summary, as previously reported, mine gases were discounted as having a viable contaminant linkage as part of the CSM. Ground gas monitoring undertaken showed a potential risk to the proposed structures and as such protection measures were recommended. It is considered that the assessment undertaken to date is in line with *Land Contamination: Risk Management LCRM; 2020* and *BS8485: Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings* to which the CLAIRE guidance refers back to and hence satisfies this guidance in the context of the site.

We trust this clarifies the information and allows discharge of the relevant planning condition.

Yours sincerely
For RSK Environment Limited

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