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From: [REDACTED]
Sent: Sunday, 3 July 2022 10:38 PM
To: Permissioning Engagement
Subject: Objection to Esso/ExxonMobil 'Hastings Generation Project' at Long Island Point, Hastings - additional questions 3 July 2022

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To EPA Victoria Permissioning Department,

I wish to provide further questions regarding the Esso/ExxonMobil 'Hastings Generation Project' (HGP).

<https://www.epa.vic.gov.au/esso-pty-ltd>

I would like these questions to be included as part of the stakeholder engagement process and seek further answers from Esso/ExxonMobil regarding their proposed HGP project at Long Island Point, Hastings.

Questions:

Noise:

1. Has the Esso risk management framework used to identify, assess and manage risks at Long Island Point been subject to independent quantitative analysis? If so, when was this analysis conducted?
2. Does the noise from Esso's existing operations at Long Island Point currently exceed EPA Victoria's noise limits for industrial premises at any time?
3. Have Esso conducted cumulative noise modelling at location NSR1 including existing Esso operational noise and projected noise from the proposed Hastings Generation Project? If not, why not?
4. What additional noise reduction measures would Esso take if noise levels exceeded 49dB at any nearby residential homes, businesses or public spaces once the ethane facility was operational?
5. What long-term noise monitoring would Esso undertake around Long Island Point and Hastings to record noise emissions once the HGP facility was operational?

6. What are the maximum sound levels currently produced from existing Esso operations at Long Island Point?
7. Which plant or equipment from the proposed Hastings Generation Project would generate the highest sound levels and what would be the maximum projected noise level achievable?
8. How would the installation of exhaust stack cladding or exhaust stack silencers at the proposed HGP facility result in the disruption of natural gas supply to South East Australia?
9. How would cumulative sound levels from Esso's existing operations and proposed HGP operations impact on local fauna and birdlife (migratory and non-migratory) around Long Island Point 24 hours/7 days per week?
10. Has Esso received all technical data and specifications on Solar Titan 130 equipment sound levels from the equipment supplier including real-world data on current operational ethane gas-turbine sound levels?
11. Will the proposed noise wall around the HGP facility suppress industrial noise in all directions (north, south, east and west)?
12. Would the significant intrusive noise levels recorded at NSR4 due to nearby industrial premises exceed EPA Victoria's noise limits?
13. What types of physiological, psychological or behavioral impacts on human health would result from long-term exposure to noise?

Air/flaring:

14. How much ethane has been produced annually in recent years at Esso's existing operations at Long Island Point and how much ethane had been supplied annually to the industrial customer in Altona prior to 2021?
15. What is the maximum amount of ethane that the proposed Hastings Generation Project (three Solar Titan 130 gas turbines) could consume in a 24 hour period?
16. How likely is natural gas production (including ethane production) from Bass Strait to reduce annually between 2023 and 2033?
17. When does the ethane contract between Esso/ExxonMobil and the industrial customer in Altona end?

18. If ethane is unavailable, would the proposed Hastings Generation Project utilise other gases to operate the gas turbines at Long Island Point (e.g. natural gas)?

19. Could EPA Victoria or DELWP legislate for improved smokeless flaring operations at Long Island Point?

Green hydrogen:

20. Have Esso held discussions with DELWP, EPA Victoria or Mornington Peninsula Shire Council regarding the future use of the proposed Hastings Generation Project for 'green hydrogen' purposes?

21. Could the proposed Hastings Generation Project utilise a blend of ethane and hydrogen for combustion in the gas turbines for electricity generation at Long Island Point?

Kind regards,

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