

Anjali Ozhakkal

23/09/2024

Our ref: EPR/WP3633KH/V007

Dear Anjali,

Please see below a summary of responses to the RFI received 13.09.2024. As discussed, the deadline for response to this was extended to 25.09.2024.

Application reference: EPR/WP3633KH/V007

Operator: VIVERGO FUELS LIMITED

Facility: Saltend Bioethanol Plant - EPR/WP3633KH

1. Variation Scope
 - Changes to ELV emissions to air include A19 only.

2. Operating Hours VCU
 - See attached – VCU Running hours. The inlet ethanol vapour valve to the VCU was calculated to be open for 3.6% of the year. This is the period of time where vapour is sent to the VCU. Other than this the unit is in standby maintaining temperature without an inlet open or the unit is offline. Potential to increase volume of tankers loaded by road going forward but unable to say by how much at this time. Discussion as to whether 10% should remain to allow for increases in the future or the current percentage.

3. BAT Assessment VCU
 - BAT assessment for VCU attached.

4. Total Phosphorus
 - A) MSDS attached of chemical used which contributes to total phosphorus in CTE.
 - B) Daily cooling water consumption and ratio of chemical additives. Veola who manage our cooling water system have feedback that the average consumption is 75m³/hr/1800m³/day with a ratio of 10 ppm GenGard GN7300 / m³ make up.
 - C) PO₄ summary attached shows recent phosphate results across make up and the tower. Total phosphorus is a factor of 3 conversion down to total phosphorus which averages over the period as 1.

5. BAT Emissions to Water
 - BAT Assessment attached.

6. Summary of Management System
 - Summary attached as the IMS is confidential.

Kind Regards,

Scott Mckay

Environmental Manager