

3.2. Review of WuXi Biologics EIAR (TMS Environment Ltd.)

RECEIVED: 02/08/2024

Louth CC, Planning Department - Viewing Purposes Only!





30
2024 - 2024
RECEIVED
2024/08/2024

Deirdre Larkin
AtkinsRéalís
Atkins House
150, Airside Business Park,
Swords
Dublin
County Dublin
K67 K5W4

22 July 2024

**Re: WuXi Biologics EIAR for the Effluent Balancing and Resource Recovery System
Addendum**

Dear Deirdre

We have reviewed the detailed reports and drawings prepared in relation to proposed changes to the layout and configuration of the Effluent Balancing and Resource Recovery System for WuXi Biologics. The purpose of the review is to consider what effect, if any, the proposed changes have on the Air Quality, Odour and Climate Chapters of the EIAR prepared by TMS Environment Ltd.

In particular we considered the detailed information prepared in respect of the following:

- Revised Site Layout
- Balancing tank / Off Specification Tanks configuration, dimension and height changes
- Primary Treatment stage relocation
- Aeration Tanks location, configuration, dimension and height changes
- Sludge Buffering Tanks location, configuration, dimension and height changes
- Bund reconfiguration and size reduction
- Sludge Dewatering relocation
- Chemical Delivery Area relocation
- Fire Access Road relocation
- Construction Compound relocation and size reduction

- Reduction in the quantity of Pumps & Mixers
- No changes proposed to Odour Control Unit and Stack

We set out below the conclusions from our assessments.

(i) Air Quality and Odour Impact Assessment

While none of the changes are considered significant based on initial review, the detailed proposals and design detail have been considered to assess whether the proposals affect the impact assessments completed and submitted in the EIAR with the Planning Application. The review findings are summarised as follows.

- (a) There is no change to the assessment of construction phase impacts on air quality or odour as a result of the minor changes.
- (b) There is no change to the assessment of air quality impacts during the operational phase as a result of the minor changes.
- (c) For the operational phase odour impact assessment, when the height of structures located within a certain distance of a point emission source such as the Odour Control Unit, increases there is potential for an impact on dispersion of emissions from the discharge stack on the point source. In order to test the sensitivity of the Model to the minor changes in layout and structure height, the Dispersion Model was rerun with the layout changes and it was determined that there was no significant change to the assessment findings presented in the EIAR. There are therefore no changes to the assessment of operational phase odour impacts submitted with the Planning Application and the overall findings and conclusions remain the same.

(ii) Climate Impact Assessment

The detailed proposals and design detail have been considered to assess whether the proposals affect the impact assessments completed and submitted in the EIAR with the Planning Application. Although there are some modifications to the layout, the changes do not result in any quantifiable or materially significant change in the impact assessments presented in the EIAR. There are therefore no changes to the assessment submitted with the Planning Application.



Dr Imelda Shanahan
Technical Manager