

Chapter VIII

Recommendation for future work

For further research on application of this aeration unit in sewage and industrial waste treatment, the following studies are recommended:

- 1) Comparative study of the performance on different type of model in order to obtain optimum transfer efficiency.
- 2) Pilot plant study with sewage in an attempt to approach the effect of organic loading upon oxygen transfer and diffuser performance.
- 3) Further investigate the flow velocity and the nature of the discharge outlet in view of obtaining an optimum performance.
- 4) Study the economical application of the performance in full-scale.