



Environmental Dynamics Inc.

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AERATION DESIGN INFORMATION

1. Project Name or Job#: _____
Project Location: _____

2. Consulting Engineer or Plant Information

Co. Name _____ Contact Name _____
Street _____ Position _____
Phone _____ Fax _____
City/State/Zip _____ Country _____

3. Type of Project: New _____ Upgrade _____ .
If upgrade give blower model or specifications.

4. Type of Waste: _____.

5. Treatment Process: _____.

6. Basin Liquid Temperature: Summer _____ °F/C Winter _____ °F/C

7. Elevation (Plant site elevation above sea level): _____ m/ft

8. Basin Dissolved Oxygen Concentration _____ mg/l

9. Alpha and Beta Factors: Alpha _____ Beta _____

10. Design Avg. Flow _____ Peak Flow _____ m³/day or MGD

11. Influent - BOD mg/l _____ Effluent Required - _____ mg/l

12. Influent - NH₃-N mg/l _____ Effluent Required - _____ mg/l
AOR for treatment _____ kg O₂/day or hr (pounds O₂/day or hr)
(Field process O₂ required)
SOR for treatment _____ kg O₂/day or hr (pounds O₂/day or hr)
(Clean Water process O₂ required)

EDI prefers the SOR (clean water) values of process oxygen be supplied when available. This minimizes variation in design values and provides quicker answers for your use.

13. Number of Aerated Basins: _____
Depth _____ Length _____ Width _____ (m/ft)

14. When do you need this information? _____

15. From: Name _____
Address _____
Phone _____ Fax _____

16. Show sketch on back of this form.