

# TECHNICAL SUPPORT

## Aeration Systems

### Bulletin Brief

Technical and application support for your specific project is available through Environmental Dynamics Inc. (EDI). Technical design support covering biological treatment systems for municipal and industrial wastewater treatment, agricultural wastes, and many other specialty applications is available through EDI.

Proper design constraints and treatment goals should be detailed at project inception for optimum engineering design, layout and equipment application. Completion of as much of the detailed information on the attached AERATION DESIGN INFORMATION sheet as possible enhances technical response on the system required. Also, a sketch of existing layouts, piping, pond/tank design, etc. will aid EDI in quickly developing a effective or suggested system design and layout.

The AERATION DESIGN INFORMATION sheets are available in English or Spanish.

For additional information regarding your specific application contact Environmental Dynamics Inc. at (573) 474-9456.



# Environmental Dynamics, Inc.

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TELEPHONE (573) 474-9456 FAX (573) 474-6988

## AERATION DESIGN INFORMATION

1. Project Name: \_\_\_\_\_  
Project Location: \_\_\_\_\_
2. Consulting Engineer or Plant Information  
Co. Name \_\_\_\_\_ Contact Name \_\_\_\_\_  
Street \_\_\_\_\_ Position \_\_\_\_\_  
P.O. Box \_\_\_\_\_ Phone \_\_\_\_\_  
City/State/Zip \_\_\_\_\_ Fax \_\_\_\_\_  
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): \_\_\_\_\_
8. Basin Dissolved Oxygen Concentration \_\_\_\_\_ mg/l
9. Alpha and Beta Factors: Alpha \_\_\_\_\_ Beta \_\_\_\_\_
10. Design Avg. Flow \_\_\_\_\_ Peak Flow \_\_\_\_\_
11. Influent - BOD mg/l \_\_\_\_\_ Effluent Required - \_\_\_\_\_
12. Influent - NH<sub>3</sub>-N mg/l \_\_\_\_\_ Effluent Required - \_\_\_\_\_
13. Aerated Basin Sizes: Depth \_\_\_\_\_ Length \_\_\_\_\_ Width \_\_\_\_\_
14. When do you need this information? \_\_\_\_\_
15. From: Name \_\_\_\_\_  
Address \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_
16. Show sketch on back of this form.