

AERATION SPECIFICATIONS

GENERAL INFORMATION

| | | |
|--|--|------------------------------------|
| Contact: John Q. Sample | E-Mail: JohnnyQSample@gmail.com | |
| Project Name: Bull Frog Pond | Site Address: 3754 Sample Lane | Phone: (555) 605-2535 |
| Project Type: <input checked="" type="checkbox"/> Pond <input type="checkbox"/> Lake <input type="checkbox"/> Other | City: Geneva | State: IL Zip: 60134 |

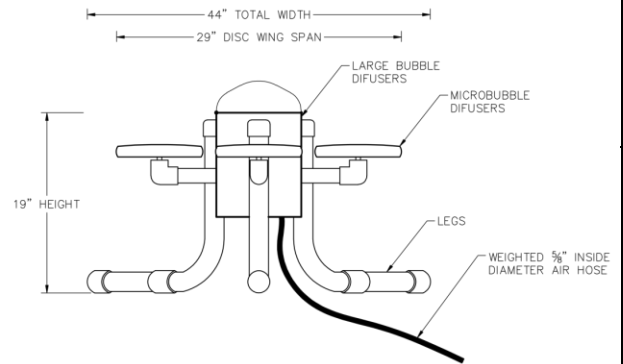
SITE PROFILE

| | | | |
|---------------|---|---|---|
| <u>Size</u> | | <u>Primary Challenges</u> | |
| Surf. Acres: | 2.1 | Ave. Depth: | 6ft |
| Volume (gal): | 4,105,723 | Acre-feet: | 13 |
| Type: | <input type="checkbox"/> Natural / Spring-Fed <input checked="" type="checkbox"/> Manmade | | |
| | | <input checked="" type="checkbox"/> Algae | <input checked="" type="checkbox"/> Water Clarity |
| | | <input type="checkbox"/> Fish Kills | <input checked="" type="checkbox"/> Mosquitoes |
| | | <input checked="" type="checkbox"/> Odors | <input type="checkbox"/> Other |

SITE RECOMMENDATIONS

| | <u>Type</u> | <u>No. Units</u> |
|--------------------|-------------------------------------|------------------|
| Aerator: | MARS 1500 Aeration Diffuser | 3 |
| Compressor: | GAST Twin Cylinder Piston | 3 |
| Enclosure: | Weatherproof Steel with vent fan | 1 |
| Hose: | 5/8" Self-Sinking Flexible Weighted | 250ft |

MARS 1500 Unit Profile



Check: Does the recommendation meet CE Boyd Guidelines?

Guidelines: minimum 1-2 kWh per hectare
Project Acreage: 2.1=.8 hectare
Project kWh: (12 x 115)/1000= 1.4
Check: 1.4/.8= 1.6 kWh per hectare

✓ CE Boyd Guidelines met.

PERFORMANCE

| | <u>Per Unit</u> | <u>Total</u> | | <u>Approximate:</u> | <u>Day</u> | <u>Month</u> | <u>Year</u> | |
|--------------------|-----------------|--------------|--------------|--------------------------------------|-----------------------------|---------------------------------------|-------------|---------|
| Horsepower: | 1/3 | 1 | Hp | Pounds of Oxygen Transferred: | 56.2 | 1709.5 | 20514.1 | |
| Airflow: | 5 | 15 | Cfm | | Water Turnover Rate: | 1.2 | 35.2 | 422.8 |
| Pressure: | 5.4 | 5.4 | Psi | | | Electricity Cost at \$.07/kWh: | \$2.49 | \$75.87 |
| Amperage: | 4 | 12 | Amps | | | | | |
| Voltage: | 220 | 220 | Volts | | | | | |

ADDITIONAL NOTES

Customer requests a conference call with neighbors to discuss the benefits of whole pond aeration and probiotic use. This call is scheduled for Monday the 15th.

YOUR PERSONAL EXPERT

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SAMPLE

Aeration Layout

