### Food to Mass Ratio Calculation Worksheet

**Wastewater Permit Program**

<table>
<thead>
<tr>
<th>Input numbers - yellow boxes</th>
<th>Output calculation - green box</th>
<th>Food to Mass Ratio - orange box</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date calculated: ____________</td>
<td></td>
<td></td>
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</tbody>
</table>

**Directions:**

1. Influent Flow: **2.83** MGD
2. MLSS or MLVSS concentration: **3450** mg/L
3. Influent BOD concentration: **175** mg/L
4. Size of aeration tank:
   - Length: **60** feet
   - Width: **175** feet
   - Water depth: **15** feet
   - Total volume: **1.1781** MG
5. Calculated Food to Mass Ratio: **0.12**