**ECOLOGIX E-820 System Specifications**

1. **SHIPPING WT:** 14,500 lbs (approx)
2. **OPERATING WT:** 103,000 lbs (approx)
3. **DESIGN PARAMETERS:**
   - DAF Design Flow Rate: 1540 gpm
   - Loading Rate: 0.64 gpm/sq. ft. of projected area
   - Maximum TSS @ Designed Flow Rate: 1440 mg/l
   - Projected Surface Area: 2405 sq. ft.
4. **MATERIAL OF CONSTRUCTION:**
   - All wetted metal materials to be SS 316
   - All non-wetted metal materials to be SS 304
   - All flanges: ANSI 150# ANSI flanges ASTM A-182 - ANSI B16.5
   - All metal piping to be Sch 10 - pipe SS 316
   - All non-metal piping materials to be PVC Sch80
   - Flight Material of Construction: SS 316/ Buna or EPDM Scraping Rubber
   - Tube settlers Material of Construction: Polypropylene
5. **SAFETY AND HEALTH:**
   - All moving parts are inaccessible, as required by OSHA
   - All electric power elements are in accordance with OSHA regulations
6. **COATING:**
   - All stainless steel parts are sandblasted
   - Mezzanine Platform to be carbon steel painted Grit Black with Safety Yellow Handrails and Alternating Tread Stairs
7. **WELDING:**
   - All welds to conform to AWS applicable specification(s)
   - Welding equipment/ supplies for sheet metal and structural elements: Wire fed MIG machine or TIG where applicable
   - Welding equipment/ supplies for piping and fittings: TIG or MIG
8. **EQUIPMENT INFORMATION:**

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Brand</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>Whitewater Pump</td>
<td>Pioneer</td>
<td>40 hp</td>
</tr>
<tr>
<td>Sludge Pump</td>
<td>Boerger</td>
<td>3 hp</td>
</tr>
<tr>
<td>Scraper Motor</td>
<td>SEW</td>
<td>1/2 hp</td>
</tr>
</tbody>
</table>

For additional information, please visit [www.ecologixsystems.com](http://www.ecologixsystems.com)