• Inclined Cylindrical Screen
  • Case studies

Langley, WA
• City of Langley (WA) Septage Receiving Station’ Upgrade
  • **Scope of work**
  • Previous installation
  • Installation of the Spiraltec in tank unit
• **Scope of Work**
  
  • Replace the current manual screen
  
  • City has to comply with the Biosolids rule*

* All biosolids (including septage) or sewage sludge must be treated by a process such as physical screening (3/8”) to significantly remove manufactured inerts prior to final disposition.

*(Department of Ecology – State of Washington)*
City of Langley (WA) Septage Receiving Station’ Upgrade

- Scope of work
- Previous installation
- Installation of the Spiraltec in tank unit
• Previous Installation
  • Septage receiving station with a manual screen
• Previous Installation
  • Issues
    • Have to comply with the Biosolids rule
      • Current screen: half inch spacing
  • Manual labor
• City of Langley (WA) Septage Receiving Station’ Upgrade
  • Scope of work
  • Previous installation
  • Installation of the Spiraltec in tank unit
• Installation of the Spiraltec in tank unit

• Aqualitec’s R&D suggested the **Spiraltec in tank unit**, in order to comply with the biosolids rule using at their septage receiving station.
• Installation of the Spiraltec in tank unit
• Installation of the Spiraltec in tank unit
• Installation of the Spiraltec in tank unit
• Installation of the Spiraltec in tank unit
  • Pivotal feet for easy brushes replacement
• Installation of the Spiraltec in tank unit
  • Easy brushes replacement (1 foot section)
• Installation of the Spiraltec in tank unit
• Installation of the Spiraltec in tank unit
• Benefits
  • Biosolids rule → City complies
  • Manual labor → Automatic system
• Installation of the Spiraltec in tank unit
**City of Langley Technical ID**

### Hydraulic Conditions

<table>
<thead>
<tr>
<th>Influent: Raw Municipal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average flow: 0.2 mgd</td>
</tr>
<tr>
<td>Peak flow: 0.63 mgd</td>
</tr>
</tbody>
</table>

### Space Requirements - Footprint

<table>
<thead>
<tr>
<th>Equipment Width: 1’ – 7” (500 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment Height: 7’ – 10” (2,400 mm)</td>
</tr>
<tr>
<td>Perforated Plate: 3/8” (10mm)</td>
</tr>
<tr>
<td>Weight: 880 lbs (400 kg)</td>
</tr>
</tbody>
</table>
Conclusion

Main Benefits of the Spiraltec in tank unit:

- Septage receiving station solution
- Requires minimal maintenance
  - Easy brushes replacements
- Easy to install

Contact Informations

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