



Services Industriels

BEST

H₂O inc.™

101A, Montée Rivière des Fèves
St-Urbain-Premier, Qc, J0S 1V0

Tél. : (450) 427-1440
Fax : (450) 427-7474
dhead@best-corp.com

Dewatering Equipment Application Information Sheet Municipal Sludge Thickening/Dewatering

1. Name of facility _____

2. Address of facility _____

3. Contact name _____ Tel _____ Fax _____

4. Which of the following are components of your facility?

- | | | |
|--------------------------------------------------|-------------------------------------------------|------------------------------------------------|
| <input type="checkbox"/> Headwork screening | <input type="checkbox"/> Grit removal | <input type="checkbox"/> Primary clarification |
| <input type="checkbox"/> Aeration basin | <input type="checkbox"/> Aerated lagoon | <input type="checkbox"/> Oxidation ditch |
| <input type="checkbox"/> Trickling filter | <input type="checkbox"/> Rotating bio contactor | <input type="checkbox"/> Stabilization pond |
| <input type="checkbox"/> Secondary clarification | <input type="checkbox"/> Others _____ | |

5. Which of the following do you currently use to handle your solids?

- | | | |
|-------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> Gravity belt thickener | <input type="checkbox"/> Dissolved air flotation | <input type="checkbox"/> Rotary screen thickener |
| <input type="checkbox"/> Lime stabilization | <input type="checkbox"/> Heat treatment | <input type="checkbox"/> Pasteurization |
| <input type="checkbox"/> Vacuum filtration | <input type="checkbox"/> Drying beds | <input type="checkbox"/> Belt filter press |
| <input type="checkbox"/> Centrifuge | <input type="checkbox"/> Plate and frame press | <input type="checkbox"/> Thermal dryer |
| <input type="checkbox"/> Composting | <input type="checkbox"/> Incineration | <input type="checkbox"/> Land application |
| <input type="checkbox"/> Landfill | <input type="checkbox"/> Others _____ | |

6. Please check the following to describe the solids you wish to thicken/dewater:

- | | | |
|----------------------------------------------|-------------------------------------------------|------------------------------------------------|
| <input type="checkbox"/> Septage | <input type="checkbox"/> Waste activated sludge | <input type="checkbox"/> Aerobic digestion |
| <input type="checkbox"/> Anaerobic digestion | <input type="checkbox"/> Thermophilic | <input type="checkbox"/> Mesophilic |
| <input type="checkbox"/> Pre-thickened | <input type="checkbox"/> 100% primary solids | <input type="checkbox"/> 100% secondary solids |
| <input type="checkbox"/> Others _____ | | |

7. If the material is a blend of primary/secondary solids, then answer the following:

- a. What percent is primary? _____ % (by weight or volume?)
- b. What percent is secondary? _____ % (by weight or volume?)
- c. Total solids of primary? _____ %
- d. Total solids of secondary? _____ %

8. Please answer the following about the solids to be thickened/dewatered:

- a. Total solids _____ %
- b. Fiber content _____ % (Fiber content is % of total solids that can't be washed through a 150-mesh screen)
- c. Volatile solids _____ %
- d. Nonvolatile (ash) solids _____ %

9. How much material do you want to process?

- a. _____ dry tons per year
- b. _____ dry lbs per hour
- c. _____ gallons per minute

10. How do you wish to operate?

- a. _____ hours per day
- b. _____ days per week
- c. _____ days per month

11. How dry do you currently thicken/dewater the solids?

_____ % Total solids

12. How dry do you want to thicken/dewater the solids?

_____ % Total solids