

Tideflex[®] Hydraulic Recirculation & Mixing System (HRMS) Design Data Form

Click on box and input value. Units box will expand for Imperial (US) or International System of Units (SI) designation.

GENERAL INFORMATION

Project Identification Name:

Facility Name:

Location:

Address:

Facility Supervisor:

Phone:

Fax:

Email:

Consulting Engineering Firm:

Location:

Address:

Engineer Contact:

Phone:

Fax:

Email:

GENERAL PROCESS FLUID DESCRIPTION

DESCRIPTION OF MIXING REQUIRED

GENERAL COMMENTS

Please include tank drawings in AUTOCAD, CAD or scanned PDF format with this data form.

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TANK / BASIN GEOMETRY

Total Number of Tanks: Parallel Operation Series Operation
Tank Bottom Material: Concrete Steel Plastic/Fiberglass Clay
Bottom Elevation Above Mean Sea Level (MSL):

Rectangular Tank or Channel (Straight Sidewall)

Length: Width: Side Wall Height:
Additional V-Bottom Depth (at centerline of V):
Bottom Slope (if sloped to end of tank): [%]
Operating Water Depth:

Circular (Flat Bottom)

Diameter: Side Wall Height: Bottom Slope to Center [%]:
Operating Water Depth:

Circular (Conical Bottom)

Diameter: Side Wall Height: Cone Depth at Center:
Operating Water Depth (top of cone to water level):

Horizontal Circular

Diameter: Horizontal Length: Flat Ends Domed Ends Open Top
Manway Access Diameter: Manway Location (from end of tank):
Operating Water Depth (measured at centerline to water level):

Rectangular Lagoon

Top Length: Top Width:
Water Surface Length: Water Surface Width:
Bottom Length: Bottom Width: Sidewall Slope [%]:
Operating Water Depth:

Special Construction (Insert All Relative Information)

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PROCESS WATER CHARACTERIZATION

Process Liquid Characteristics

Description of Liquid
Operating Solids Concentration
Liquid Operating Temperature
pH Range of Fluid
Specific Gravity of Fluid
Density of Fluid
Viscosity of Fluid
Velocity Gradient Required

Additional Design Parameters (Total for All Tanks)

<i>Description</i>	<i>Value</i>	<i>Units</i>
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PROCESS FLUID DESCRIPTION

Raw Municipal Wastewater, Waste Aerobic Sludge, Grit Fluid, MLSS Fluid, Food Waste, etc.

REQUESTED PIPING MATERIALS

Schedule 10 – 304L Stainless Steel

Schedule 10 – 316L Stainless Steel
