### *(Click on Gray Box & input value; Units Box will expand for US or 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**

###

### TANK / BASIN GEOMETRY

DRAWINGS REQUIRED: AUTOCAD, CAD, OR DIGITAL SCANNED

Total Number of Tanks:  [ ]  Parallel Operation [ ]  Series Operation

Tank Bottom Material: [ ]  Concrete [ ]  Steel [ ]  Plastic/Fiberglass [ ]  Clay

Bottom Elevation [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)

 **PROCESS WATER CHARACTERIZATION**

DRAWINGS REQUIRED: AUTOCAD, CAD, OR DIGITAL SCANNED

##### Process Liquid Physical 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]**

*Description Value Units*

**REQUESTED PIPING MATERIALS**

[ ]  Sch. 80 PVC

[ ]  Sch. 10 – 304L SS

[ ]  Sch. 10 – 316L SS

[ ]  HDPE DR17

DRAWINGS REQUIRED: AUTOCAD, CAD, OR DIGITAL SCANNED