

**Mail, FAX or scan and e-mail this form to us at:**

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**Deliver SAMPLES to:**

- KASELCO LAB, 959 Highway 95 North, Shiner, Texas 77984

**Call us with any questions at:**

- Phone: (361) 594-3327
- Toll Free: (888) 527-3526

## APPLICATION INFORMATION FORM (AIF) FOR PROSPECTIVE CUSTOMERS

**PART 1: CUSTOMER INFORMATION**

<b>CORPORATE CONTACTS</b>				
<b>Company</b>				
<b>Address</b>				
<b>City</b>		<b>State</b>		<b>Postal Code</b>
<b>Country</b>				
<b>Contact Name</b>		<b>Title</b>		
<b>Phone</b>		<b>FAX</b>		
<b>E-Mail</b>				
<b>Industry</b>				
<b>INSTALLATION SITE CONTACTS</b>				
<b>Company</b>				
<b>Address</b>				
<b>City</b>		<b>State</b>		<b>Postal Code</b>
<b>Country</b>				
<b>Contact Name</b>		<b>Title</b>		
<b>Phone</b>		<b>FAX</b>		
<b>E-Mail</b>				
<input type="checkbox"/> How did you learn of KASELCO?				
<input type="checkbox"/> Have you seen a bench scale KASELCO run of any wastewater? What water?				
<input type="checkbox"/> Have you visited a plant using the KASELCO process? If so, which one?				
<input type="checkbox"/> Why are you considering a KASELCO EC system?				

Describe the **End Use Customer, the installation facility**. Who are they? What do they do? How? How big? Etc...

*Use other sheets as necessary for drawings, photos, sketches, analytical reports, etc.*

**PART 2: WASTEWATER DEFINITION:**

Characterize the wastewater stream: A simple narrative summarizing the sources; how the wastewater is handled now; what the issues are; what the objectives are, etc...

- 1) How many gpm (or gpd, gpw, etc.) require treatment? If this is a combined flow, be sure to outline the separate flows so we have an understanding of what makes up this proposed raw wastewater stream. Attach a sketch.
  
- 2) Flow Profile: How is the wastewater generated over time? Describe the flow profile over time. (GPM during different time periods [flow variability over a day, week, month, season], etc)?

3) Contaminant Concentrations in RAW Combined Waste Stream: Provide analytical information about the combined waste stream to be treated (attach analytical report). This is prior to ANY pH adjustment, sodium metabisulfite addition, or any other chemical step toward treatment. We want to know the characteristics of the raw wastewater.

4) Waste Sources

a) What are the names of the sources and volume of each flow if known or estimated (example "Cleaner Rinses", "Nickel Rinse", "Forge Hall Sump", "Wash Area Collection", "Well A")? How does each vary over time?

b) Provide analytical information about each stream. Provide at least a minimal characterization (pH and TDS or conductivity) of each flow.

c) If any of the streams have Cyanide or Sulfide is there an effective and functioning Cyanide or Sulfide Destruct process in place prior to that stream being introduced into the combined stream? What destruction process?

d) Does the waste contain any explosive or radioactive ingredients?

e) Does sanitary waste enter the collection system before or after the point we would be treating?

f) Do floor drains enter the collection system before or after the point we would be treating?

5) Waste Stream Source Variations: What waste stream contributors flow only part time (hours/day, or days/week)? When?

6) Process Tank Dumps: Are any process waters dumped (e.g. concentrated solutions as opposed to rinses)? Describe their characteristics, pH, concentration, volume, and frequency of dumping? (list)

7) Organic Contaminants

a) Is organic-containing waste mixed with plating or other metals-containing water?

b) If the flow is emulsified oil, what is the make-up percentage?

8) If this is a cooling tower, what is the basin volume?

**PART 3: WASTEWATER COLLECTION**

9) Waste Collection

a) Do the waters to be treated flow to sumps (below floor grade) or to above-grade tanks for equalization or segregation before treatment? Describe.

b) Are sumps used for "storage", to equalize flow, or only flow water?

**PART 4: CURRENT TREATMENT PROCESS**

10) Is there an existing treatment system? Batch or continuous flow? Describe the process.

11) What is the size of the waste accumulation/collection tank/sump? Is it agitated? pH controlled? Incoming water strained?

12) What size tanks are used in this process? What other agitators exist in the system? What other pH controllers or monitors exist?

13) Is there a way to dispose of the solids that a treatment system will generate? What?

14) What does it cost per month to operate that system including chemicals, waste disposal, water discharge surcharges, etc?

**PART 5: WATER TREATMENT OBJECTIVES**

15) Treated Effluent Discharge:

a) Is the facility registered with the EPA and local authority to discharge liquids? Whose authority? What are the discharge limits of each contaminant (list)?

b) If not permitted, what are the target limits the KASELCO treatment system must achieve?

16) Reuse

a) If they plan to re-use the water, in what processes?

b) What are the re-use parameters (TDS, pH, conductivity, concentration of each contaminant, etc)?

**PART 6: THE KASELCO INSTALLATION**

17) Would this be a retro-fit (replaces chemical or other process), or is it a new treatment system?

18) Would the KASELCO installation be indoors or outdoors? What are the environmental conditions?

19) What physical space is available to locate an EC unit near the collection or discharge point (feet x feet x feet)? What physical challenges would there be to getting any equipment or components in? Attach a sketch.

20) Is any existing process equipment (e.g. tanks, clarifier, filter press) available for use in the waste system? What, how many, what size etc? (list)

21) If the treated water leaves the building at floor level, how high would it have to be lifted to recycle back to the tallest process vessel?

22) Do all the treated or other discharge flows go to the same place, or are there multiple hookup points to the sewer or multiple discharge points to the environment?

23) Utilities Available

a) Electricity

i) What is the highest voltage available for the treatment system?

- Voltage
- Frequency
- Phase

ii) Is this electricity available near the collection or discharge point? Show on sketch.

b) Compressed Air

i) Is compressed air available? What pressure?

ii) CFM or horsepower?

c) Fresh Water – Potable or Plant

24) Sketch of the plant identifying all sources of flow to be treated and how they would be made available.