SOLUTIONS RECOVERY INTERNATIONAL

1900 Camden Avenue,
San Jose, CA. 95124
Phone: (408) 250-2558
www.solutionsrecovery.com

1. Project Name: _____ Date Submitted__ ☐ Revision

Contact person: _____ Phone #: _____

Scope of work _____ Specs (Y/N) _____

Existing Conditions _____

2. Process Water Data:

A. Quantity of Water Required Treatment

Average metal bearing wastewater flow rate:

Peak metal bearing wastewater flow rate:

Average & peak non-metal bearing flow rate:

Average Organic bearing wastewater flow rate:

Peak Organic bearing wastewater flow rate:

Other potential flow conditions from other stream:

Operation: days/week: Maximum hours/day:

Redundancy: ☐ Batch ☐ 2nd train for regeneration or cleaning ☐ full spare ☐ _____ %

Minimum run length: _____ hr Max. Regenerate time: hr Min. outlet pressure:

B. Feed Water Summary

(Please attach a complete water analysis)

Water source: ☐ Surface ☐ Municipal ☐ Well ☐ Other: _____

Temp. min/max, ^{O}F: _____ Suspended:_____ ppm range (yearly):_____

C. Product Quality Required

Industry Spec: ☐ Boiler feed water, operating pressure (psi):

Electronics, IC or device linewidth (□ m): ☐ ASTM spec. E - _____

Measurements: ☐ Conductivity (□ S) < _____ ☐ Resistivity (M□) > _____ ☐ pH _____

☐ Silica (ppm / ppb) < _____ ☐ Particles _____ Particles per _____ □ m or larger

☐ Hardness (ppm) _____ ☐ TOC (ppm / ppb) < _____

☐ CO_2 or O_2 (ppm) < _____ ☐ Bacteria, CFU/ml < _____

Specific ions / other	*Guarantee point*	*Units*	*Specific ions / other*	*Guarantee point*	*Units*
<			<		
<			<		
<			<		
<			<		

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2. Water & Wastewater Data:

A. Quantity of Water/Wastewater to be Treated

Average flow rate & units: Peak flow rate & units: Other potential flow conditions:

days/week: hours/day:

Sizing or redundancy requirements:

Any products we should recover?:

Sink Chemistry attached.

B. Water & Wastewater Characteristics and Requirements

Additional analysis attached

Parameter	*Influent mg/l*	*Req'd effluent*	*Parameter*	*Influent mg/l*	*Req'd effluent*
Temp (F / C)			SDI		
Turbidity			CN		
PH			Cd		
BOD			Cu		
COD			Cr		
TOC			Pb		
Oil/Grease			Ni		
TSS			Fe		
Total P			TDS		
TKN			GaAs		
NH4-N			Alkalinity		
Solvent			Others		

Final Wastewater Disposition is: POTW (sewer) ☐ NPDES (direct) ☐ Recycle/Reuse

3. Solids/Sludge Handling Data (Must be completed for Solids Handling requests):

Type of Solids: ☐ Anaerobic ☐ Aerobic ☐ Primary ☐ Secondary ☐ Metals Precip.
☐ Dye/Pigment ☐ Water Treatment Waste ☐ Other:

Influent gal/day: Influent wt % solids: Influent dry
(hr/day, days/wk): Infl. % volatile $/DT disposal
Recommended dewatering method: Req. concentration:
Final Disposal: ☐ Landfill ☐ Land Apply ☐ Incineration ☐ Composting ☐

4. Site Limitations and Conditions:

Area classification (if known):

☐ Space Limitations? If so, list the Space available: Length available x width available x Height available

☐ Access If so, describe:
(Attach a sketch if possible)

☐ Utility Limitations? List any typical services that are not available or may affect the equipment design

(Typical services are single and 3 phase power, pressurized feed water, instrument air, steam / hot water, cooling water, pressurized or bulk chemical supplies, compressed air / N_2, open drains and waste handling facilities, natural gas, etc.)

☐ Climate Where is the jobsite (city, state/country)? ☐ Indoor ☐ outdoor

List any special limitations (altitude, temperatures, lack of storage or insulation, salt air, etc.)

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List any special limitations (altitude, temperatures, lack of storage or insulation, salt air, etc.)

Other Limitations? If so, check or describe here: ☐ Site (is/will be) under construction ☐ Union site ☐ Non-union

5. General Comments: (Include motives, etc.)

6. Flow Schematic(s): (Indicate current and desired situation; attach sheets if necessary)

Summary of Acronyms:

SDI : Silt Density Index