



## INITIAL QUESTIONS TO PREPARE FOR WALKTHROUGH AND AUDIT

(Objective is to give NRG Asia a first idea of your company's energy usage and to help you to anticipate our analyses. This will give us a head start when we meet first.)

### SECTION II: WATER

1. How much water do you use in your processes each month (or year)?
2. How much water do you recycle each month (or year) ?
3. How much is your typical monthly water bill ?
4. What are your hours of operation?
5. Water recycling and waste water (WW) treatment:
  1. What kind of recycling or WW treatment/treatments have you got?
  2. If possible please prepare a diagram of the system/systems;
  3. What are the WW characteristics of the WW inlet to your treatment process?
  4. What are the WW characteristics of the WW outlet from your treatment process?
  5. If having an anaerobic treatment what is the daily biogas production (b. gas composition methane and other)?

<b>(Waste) water characteristics</b>				
			<b>Need to know</b>	<b>Nice to know</b>
pH				
Chemical Oxygen Demand	COD	mg/l		
Biological Oxygen Demand	BOD	mg/l		
Total Solids	TS	mg/l		
Total Dissolved Solids	TDS	mg/l		
Suspended Solids	SS	mg/l		
Volatile Suspended Solids	VSS	mg/l		
Total Volatile Solids	TVS	mg/l		
Settleable Solids		ml/l		
Volatile Fatty Acids	as acetic acid	mg/l		
Chloride	CL	mg/l		
Phosphate	PO4	mg/l		
Sulphate	SO4	mg/l		
Ammonia Nitrogen	NH4-N	mg/l		
Organic Nitrogen	Org N	mg/l		
Total Kjeldal Nitrogen	TKN	mg/l		
Calcium	Ca	mg/l		
Potassium	K	mg/l		
Sodium	Na	mg/l		
Protein		%W/V		
Acetic Acid		mg/l		
Lactic Acid		mg/l		
Daily average flow rate		m3/day		
Daily maximum flow rate		m3/day		
Daily minimum flow rate		m3/day		
Consecutive days with WW flow		days		
Consecutive days without WW flow		days		