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Variable	Process	Application Leve
Temperature	General	All
Pressure	General	All
Liquid level	General	All
Flow rates	General	All
Suspended solids	General	Often
Sludge blanket	Settler	Few
UV/VIS (NO ₃ , NO ₂)	General	Often
UV/VIS (COD, TOC, TH	(N) General	Few

Chemical propert	ies (1)	
Variable	Process	Application Le
рН	General	All
Conductivity	General	All
Oxygen	AS, BNR	All
Redox - ORP	AD, BNR	Often
NH_4^+ (electrode)	BNR	Often
NO_3^- (electrode)	BNR	Few
Biogas (CH ₄ , H ₂ S, H ₂)	AD	Few
CO ₂ N ₂ O (off-gas)	AD, AS, BNR	Few

Chemical prope	rties (2)	
Variable	Process	Application Leve
COD (analyser)	AD, AS, BNR	Few
TOC (analyser)	AD, AS, BNR	Few
TN (analyser)	AD, AS, BNR	Few
NH4 ⁺ (analyser)	BNR	Often
NO ₃ (analyser)	BNR	Often
PO ₄ ³⁻ (analyser)	BNR	Often
TP (analyser)	BNR	Few
Bicarbonate	AD, BNR	Few
Volatile Fatty Acids	AD, BNR	Development

Variable Process Application Le Respiration rate AS, BNR Few
Respiration rate AS, DINK TEW
Toxicity AD, AS, BNR Few
rbCOD AS, BNR Few
NO/N ₂ O ⁻ (μ-biosensor) BNR Developmen























































































































