

Construction of Giresun Wastewater Treatment Plant

Tender Dossier

Volume 3 Employer's Requirements

Section 11: Training, Operation Supervision and Maintenance

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Table 11-1a Monitoring Programme

Location	Unit	Inlet	Outlet	Activated Sludge Tank	Return Sludge	Excess Sludge	Thickened Sludge	Dewatered Sludge	Anaerobic Sludge Digester	Dried Sludge
Flow	m ³ /day	Continues	Continues		Continues	Continues	Continues	Continues		Amount
Temperature	°C	Daily	Daily	Daily					Continues	
pH	s.u.	Daily	Daily	Daily					Continues	
Parameters										
COD	mg/l	Daily	Daily							
BOD ₅	mg/l	Reg / FPS	Reg/FPS							
SS	mg/l	Daily	Daily	Daily / GS	Daily / GS	Daily / GS	Daily / GS	Daily / GS	Daily / GS	
Total - N	mg/l	Reg / FPS	Daily							
Ammonia N	mg/l	Reg / FPS	Daily							
Nitrate N	mg/l		Daily							
Phosphate P	mg/l	Reg / FPS	Daily							
Oxygen	mg/l		Daily	Continues						
SVI	ml/g			Daily / GS						
TS	%						Daily / GS	Daily / GS		Daily / GS
VFA	mg/l								Daily / GS	

Table 11-1b Monitoring Programme

Location		Inlet	Outlet	Activated Sludge Tank	Return Sludge	Excess Sludge	Thickened Sludge	Dewatered Sludge	Dried Sludge
Flow	m ³ /day	Con	Con		Calculated	Calculated	Calculated	Calculated	Amount
Temperature	°C	Day		Day					
pH	s.u.	Day		Day					
Parameters									
COD	mg/l	Reg/FPS	Reg/FPS						
BOD ₅	mg/l	Reg/FPS	Reg/FPS						
SS	mg/l	Reg/FPS	Reg/FPS	Day/GS					
Total-N	mg/l	Reg/FPS	Reg/FPS						
Ammonia-N	mg/l	Reg/FPS	Reg/FPS						
Nitrate-N	mg/l		Reg/FPS						
Phosphate-P	mg/l	Reg/FPS							
Oxygen	mg/l		Day/GS	Con					
SVI	ml/g			Day/GS					
TS	%				Reg/GS	Reg/GS	Reg/GS	Day _{DW} /GS	Day _{DR} /GS

Legend

Con Continuous

Day Daily

Reg Every 10th calendar day

FPS Flow proportional 24 hour sample

TPS Time proportional 24 hour sample