

Process Code	Process Description	Sample Commodity	Sample Location Description	Sample Equipment	Sample Collection Description	Analytical Parameters	Minimum Monitoring Frequency	Primary Purpose
H1	Headworks Facility: Raw Sewage Pumping	Raw Influent	Downstream of the screens. The sample will include Raw Sewage and Hauled Liquid Waste.	On-line Instrument	Easy access for calibration and maintenance.	Conductivity	Continuous	Source Control
						pH	Continuous	Source Control
						Temperature	Continuous	Monitoring
				On-line Instrument	Easy access for calibration and maintenance.	TOC	Continuous	Source Control
				Composite Sampler	Automatic, plunger sampler mounted in mid section of pressurized pipe with carboy in refrigerator for sample storage. Programed to collect flow-weighted samples. Ensure that all automatic samplers are designed to meet the area classification. See Section 11850 of the Appendix 18B - Specifications for additional sampler requirements.	Alkalinity	Daily	Process Control
						Ammonia	Daily	Process Control
						TN	Daily	Process Control
						TN - Soluble	2/Week	Monitoring
						TP	Daily	Process Control
						Ortho P	Daily	Process Control
						VFA Total	2/Week	Process Control
						BOD - Total	Daily	Process Control
						BOD - Soluble	Daily	Process Control
						Chlorides	2/Week	Monitoring
						COD - Total	Daily	Process Control
						Conductivity	Daily	Process Control
						Nitrite & Nitrate	Daily	Process Control
						pH	Daily	Monitoring
				Surfactant	Monthly	Monitoring		
				TSS	Daily	Process Control		
VSS	Daily	Process Control						
Composite Sampler	Manually combined sample from daily composite samples.	Metals - Total	Weekly	Monitoring				
		Metals - Dissolved	Weekly	Monitoring				
Extendable Pole	Easy access for sampling.	Conductivity	As required	On-line instrument Check				
		pH	As required	On-line instrument Check				
		Temperature	As required	On-line instrument Check				
		TOC	As required	On-line instrument Check				
		List of parameters in Schedule A of Environmental Act License 2684 RRR	Quarterly	Regulatory				
		Oil & Grease	Monthly	Monitoring				
H2	Headworks Facility: Raw Sewage Overflow	Unscreened Raw Influent	Raw Sewage Overflow to Outfall	Extendable Pole	Easy access for sampling	As required by Governmental Authority	When Overflow in use	Regulatory
H3	Headworks Facility: Fine Screening	Screening	Washed and Dewatered Screenings to Disposal	By Hand	Easy access for sampling.	TS	2/Week	Process Control and Process Performance Guarantee
H4	Headworks Facility: Screen Effluent Overflow	Screen Effluent	Screen Effluent Overflow to Outfall	Extendable Pole	Easy access for sampling	As required by Governmental Authority	When Overflow in use	Regulatory
H5	Headworks Facility: Grit Removal	Grit Removal	Washed and Dewatered Grit to Disposal	By Hand	Easy access for sampling.	TS	2/Week	Process Control and Process Performance Guarantee
						VS	2/Week	Process Control and Process Performance Guarantee
H6	Headworks Facility: Grit Effluent Overflow	Grit Effluent	Grit Effluent Overflow to Outfall	Extendable Pole	Easy access for sampling	As required by Governmental Authority	When Overflow in use	Regulatory
H7	Headworks Facility: Odour Control	Foul Air	Odour Control System Influent	Sample Port	Easy access for sampling	Odour Units	Monthly	Process Control
						H2S	Weekly	Process Control
						Total Reduced Sulphur Compounds	Weekly	Process Control
			Odour Control System Effluent	Sample Port	Easy access for sampling	Odour Units	As per Appendix 18K - Special Studies and Mon	Process Control
						H2S	Weekly	Process Control
						Total Reduced Sulphur Compounds	Weekly	Process Control

Process Code	Process Description	Sample Commodity	Sample Location Description	Sample Equipment	Sample Collection Description	Analytical Parameters	Minimum Monitoring Frequency	Primary Purpose
P1	Primary Clarification Facility: Primary Influent Flow Distribution	Primary Influent	Downstream of Centrate return and upstream of Primary Clarifiers. Includes screened, de-gritted influent and all return streams.	Composite Sampler	Automatic, plunger sampler mounted in mid section of pressurized pipe with carboy in refrigerator for sample storage. Programed to collect flow-weighted samples. Ensure that all automatic samplers are designed to meet the area classification. See Section 11850 of the Appendix 18B - Specifications for additional sampler requirements.	pH	Daily	Monitoring
						TSS	Daily	Removal Efficiencies
						VSS	Daily	Removal Efficiencies
						TN	Daily	Process Control
						Nitrite & Nitrate	Daily	Process Control
						Ammonia	Daily	Process Control
						TP	Daily	Process Control
						Ortho P	Daily	Process Control
						VFA Total	Daily	Process Control
						COD - Total	Daily	Removal Efficiencies
BOD - Total	Daily	Removal Efficiencies						
C1	Centrate Treatment Facility: Centrate Equalization	Treated Centrate	Supernatant from Centrate Treatment SBR.	Composite Sampler	Automatic, plunger sampler mounted in mid section of pressurized pipe with carboy in refrigerator for sample storage. Programed to collect flow-weighted samples. Provide means to minimize impact of biofilm growth on quality of samples. Ensure that all automatic samplers are designed to meet the area classification. See Section 11850 of the Technical Specifications for product information.	Alkalinity	Daily	Process Control
						pH	Daily	Process Control
						Ammonia	Daily	Process Control
						Nitrite	Daily	Process Control
						Nitrate	Daily	Process Control
						TN	Daily	Process Control
						TN - Soluble	Monthly	Process Control
						Ortho P	Daily	Process Control
						TP	Daily	Process Control
						TSS	Daily	Process Control
						VSS	Daily	Process Control
						BOD - Carbonaceous	Weekly	Process Control
						BOD - Soluble Carbonaceous	Monthly	Process Control
						COD - Total	Daily	Process Control
						COD - Soluble	Daily	Process Control
SOUR	As required	Process Control						