

Metro Wastewater Reclamation District
Environmental Management System for Biosolids

Element 10: Wastewater Treatment & Solids Processing (BVC) – Primary Treatment (CCP) – Table

Revision: 05	Revision Date: 08/15/08	Approved By:
--------------	-------------------------	--------------

PURPOSE

To remove substances that are easily settled or floated from the wastewater stream and to transfer the material to the solids processing operations.

SCOPE

This procedure provides for effective operation and maintenance of the primary clarification unit processes.

Operational Controls (Practices)	Applicable Legal & Other Requirements	Procedural Documents (record series code)	Monitoring & Measurement (record series code)	Responsible	
				Division/ Department	Person
Process Control and Primary Sludge Production <ul style="list-style-type: none"> ▪ Flow ▪ Unit loading ▪ Total Suspended Solids Removal ▪ Biochemical Oxygen Demand removal ▪ Primary Sludge Volume ▪ Primary Sludge Density ▪ Gravity Thickened Sludge Volume ▪ Gravity Thickened Sludge Density 	Colorado Discharge Permit (GOV 15.30)	Treatment Process Unit Procedure (PER 10.5) <ul style="list-style-type: none"> ▪ Section II – North Primary Areas 1 & 2 ▪ Section III – North Primary Area 3 ▪ Section I – South Primary Enhanced Primary Clarification (PER 10.5) Primary Clarification and Gravity Thickening Area Procedures and Expectations (PER 10.5) RWHTF O&M Manual (OPER 05) NPRI, SPRI, and GVT Standard Operating Procedures (PER 10.5) Daily Process Directive (OPER 05 Logs, Oper PLT, OB1) Weekly Performance Targets (PER 15.65)	Process Control System; ODS Database (OPER 05 Monthly Operations (ODS): worksheet)	Treatment/ O&M	Treatment Superintendent Treatment Personnel
Maintenance <ul style="list-style-type: none"> ▪ Preventive ▪ Predictive ▪ Corrective 	Colorado Discharge Permit (GOV 15.30)	O&M Manual Maintenance (NPRIC, NPRIP, SPRIC, SPRIP, NPRIT) Maintenance Reference Manual (PER 10.5 SOP-O&M (maint))	CMMS database and reports (OPER 55.50 Maintenance Reports Equipment History Detail - NPRIC, NPRIP, SPRIC, SPRIP, NPRIT)	Maintenance O&M	Maintenance Superintendent Maintenance Personnel