

Metro Wastewater Reclamation District
Environmental Management System for Biosolids

Element 10: Wastewater Treatment & Solids Processing (BVC) – North Secondary Treatment (CCP) - Table

Revision: 05	Revision Date: 06/24/09	Approved By:
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PURPOSE

To provide advanced secondary treatment for wastewater flows and to transfer the solids to the solids processing operations.

SCOPE

This procedure provides for effective operation and maintenance of the North secondary treatment 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 Secondary Sludge Production <ul style="list-style-type: none"> ▪ Basin loading ▪ Dissolved oxygen ▪ Mixed Liquor Suspended Solids ▪ Solids Retention Time ▪ Sludge volume index ▪ Return activated sludge ▪ Waste activated sludge ▪ Total Suspended Solids removal ▪ Biochemical Oxygen Demand removal ▪ Ammonia, Nitrate, & total nitrogen removal ▪ Acetic Acid Addition 	Colorado Discharge Permit (GOV 15.30)	North Secondary Procedures (PER 10.5) NSEC Aeration Basin Procedures and Expectations (PER 10.5) Secondary Clarification Procedures and Expectations (PER 10.5) Weekly Performance Targets (PER 15.65) NSEC and SEC Standard Operating Procedures (PER 10.5) RWHTF O&M Manual (OPER 05) Daily Process Directive (OPER 05 Logs, Oper Plt, OB1)	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 (NBLWR, NEBLWR, NGALRY, NSECX, NCHEM, NSECA, NSECC) Maintenance Reference Manual (PER 10.5 SOP-O&M (maint))	CMMS database and reports (OPER 55.50 Maintenance Reports Equipment History Detail - NBLWR, NEBLWR, NGALRY, NSECX, NCHEM, NSECA, NSECC)	Maintenance/ O&M	Maintenance Superintendent Maintenance Personnel