

Metro Wastewater Reclamation District
Environmental Management System for Biosolids

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

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

To reduce the volume of waste activated sludge prior to anaerobic digestion.

SCOPE

This procedure provides for effective operation and maintenance of the Dissolved Air Flotation (DAF) thickening unit process.

Operational Controls (Practices)	Applicable Legal & Other Requirements	Procedural Documents (record series code)	Monitoring & Measurement (record series code)	Responsible	
				Division/ Department	Person
Process Control and Thickened WAS Production <ul style="list-style-type: none"> ▪ DAF unit loading ▪ Polymer dosage ▪ Blanket thickness ▪ Recycle flow ▪ Float solids ▪ Subnatant quality 	N/A	Dissolved Air Flotation (PER 10.5) Dissolved air Flotation Area Procedures and Expectations (PER 10.5) Weekly Performance Targets (PER 15.65) Dissolved Air Flotation Standard Operating Procedures (PER 10.5) CTP 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 (DAF) Maintenance Reference Manual (PER 10.5 SOP-O&M (maint))	CMMS database and reports (OPER 55.50 Maintenance Reports Equipment History Detail - DAF)	Maintenance/ O&M	Maintenance Superintendent Maintenance Personnel