

Metro Wastewater Reclamation District
Environmental Management System for Biosolids

Element 10: Wastewater Treatment & Solids Processing (BVC) – Headworks & Debris & Grit Removal (CCP) - Table

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

To remove grit and debris from influent wastewater and distribute flow through the treatment facility.

SCOPE

This procedure provides for effective operation and maintenance of the headworks and grit removal unit processes.

Operational Controls (Practices)	Applicable Legal & Other Requirements	Procedural Documents (record series code)	Monitoring & Measurement (record series code)	Responsible	
				Division/ Department	Person
RWHTF Flow Distribution Load Distribution <ul style="list-style-type: none"> ▪ Total Suspended Solids ▪ Biochemical Oxygen Demand ▪ Ammonia 	Colorado Discharge Permit (GOV 15.30)	Operations Process Unit Procedures (PER 10.5) <ul style="list-style-type: none"> • Section I – Headworks Headworks Area Procedures and Expectations (PER 10.5) RWHTF O&M Manual (OPER 05) Weekly Performance Targets (PER 15.65) Daily Process Directive (OPER 05 Logs, Oper PLT, OB1) Headworks Standard Operating Procedures (PER 10.5)	Process Control System; ODS Database (OPER 05) Monthly Operations (ODS): worksheet)	Treatment/O&M	Treatment Superintendent Treatment Personnel
Process Control and Grit/Debris Removal <ul style="list-style-type: none"> ▪ Flow measurement ▪ Hydraulic loading ▪ Hydraulic levels ▪ Screenings removal ▪ Grit removal 	Colorado Discharge Permit (GOV 15.30)	Treatment Process Unit Procedures (PER 10.5) <ul style="list-style-type: none"> • Sections III and IV – North Bar Screen and Grit Removal • Section V – South Bar Screen and Grit Removal Headworks Standard Operating Procedures (PRE 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 (NPRIB, NPRIG, SPRIB, SPRIG)	CMMS database and reports (OPER 55.50 Maintenance Reports Equipment History Detail – NPRIB, NPRIG, SPRIB, SPRIG)	Maintenance/ O&M	Maintenance Superintendent Maintenance Personnel

Metro Wastewater Reclamation District
Environmental Management System for Biosolids

Element 10: Wastewater Treatment & Solids Processing (BVC) – Headworks & Debris & Grit Removal (CCP) - Table

Revision: 05	Revision Date: 02/18/08	Approved By:
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Operational Controls (Practices)	Applicable Legal & Other Requirements	Procedural Documents (record series code)	Monitoring & Measurement (record series code)	Responsible	
				Division/ Department	Person
		Maintenance Reference Manual (PER 10.5 SOP- O&M (maint))	CMMS database and reports (OPER 55.50 Maintenance Reports Equipment History Detail – NPRIB, NPRIG, SPRIB, SPRIG)	Maintenance/ O&M	Maintenance Superintendent Maintenance Personnel