

Metro Wastewater Reclamation District
Environmental Management System for Biosolids

Element 10: Biosolids Processing (BVC) – Dewatering (Centrifuge) (CCP) – Table

Revision: 07	Revision Date: 06/24/09	Approved By:
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PURPOSE

To reduce the water content in biosolids prior to transport.

SCOPE

This procedure provides for effective operation and maintenance of the dewatering 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 Dewatered Biosolids Production <ul style="list-style-type: none"> ▪ Biosolids feed rate ▪ Polymer dosage ▪ Ferric chloride dosage ▪ Centrate quality ▪ Cake solids 	N/A	Process Building Procedures (PER 10.5) Dewatering Area Procedures and Expectations (PER 10.5) RWHTF O&M Manual (OPER 05) Dewatering 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
Biosolids Quality Monitoring <ul style="list-style-type: none"> ▪ Cake total solids ▪ Centrate 	N/A	Sampling Plan (PER 10.5) E-Logger (SMPL 01)	LabWorks Database Bench Sheets (OPER 55.35)	Analytical Services/ES	Chief of Analytical Services Lab Personnel
Odor Control & Emissions <ul style="list-style-type: none"> ▪ Odor Intensity Rating Certification ▪ Odor monitoring 	CDPH&E Regulation No. 2 Part A (GOV 15.10) Title V Air Emissions Permit (GOV 15.10)	Robert W. Hite Treatment Facility and Ag Site Odor Monitoring (PER 10.5)	Off-site Odor Monitoring Surveillance Logs (GOV 15.10) Odor Report (GOV 15.10 – CDPHE/APCD/ Odor Complaints) Employee Certification (OPER 40.40) Odor Monitoring Calendar (TFOPER 40.40)	RR&R Regulatory Compliance/ES	Administrative Specialist Administrative Personnel Regulatory Compliance Officer Administrative Personnel

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Maintenance <ul style="list-style-type: none"> ▪ Preventive ▪ Predictive ▪ Corrective 	Colorado Discharge Permit (GOV 15.30)	O&M Manual Maintenance (PBBELT, CENTNK, FERRIC, PBBSMT, PBCENT, PBPOLY) Maintenance Reference Manual (PER 10.5 SOP-O&M (Maintenance))	CMMS database and reports (OPER 55.50 Maintenance Reports Equipment History Detail – PBBELT, CENTNK, FERRIC, PBBSMT, PBCENT, PBPOLY)	Maintenance/ O&M	Maintenance Superintendent Maintenance Personnel