

Metro Wastewater Reclamation District  
Environmental Management System for Biosolids

**Element 10: Biosolids Processing (BVC) – Composting Class A (Static) (CCP) – Table**

Revision: 07	Revision Date: 06/21/08	Approved By:
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**PURPOSE**

Describes standard procedures to achieve the production of high quality compost consistently, and that meets requirements for Class A Exceptional Quality in a manner that minimizes odor.

**SCOPE**

Processing in the Compost facility occurs primarily during inclement weather, when field access is prohibited, and averages about 3% of the total Cake production per year.

Operational Controls (Practices)	Legal & Other Requirements	Procedural Documents (record series code)	Monitoring & Measurement (record series code)	Responsible	
				Division/ Dept.	Person
Amendment Procurement	N/A	Procurement of Amendment for Compost Process (PER 10.5)	Visual inspection Weight Tickets (F&W Database)	RR&R	Superintendent  Specialist  Operations Personnel
Compost Recipes	N/A	Class A Compost Recipe (PER 10.5)	Recipe – Class A (TF/OPER 40.40)	RR&R	Superintendent  Specialist  Operations Personnel
Operations/Process Criteria <ul style="list-style-type: none"> <li>▪ build windrows</li> <li>▪ mix windrows</li> <li>▪ blower setup</li> <li>▪ temp monitoring</li> <li>▪ cure</li> <li>▪ screen</li> <li>▪ bagging</li> </ul>	US EPA 40 CFR 503 (GOV 15.30)  CDPH&E Biosolids Reg 64 (GOV 15.10)  Region VIII General Permit (GOV 15.30)	Class A Aerated Static Pile Composting (PER 10.5)	Biosolids Annual Report (GOV 15.10) Class A Compost Operations Log (OPER 40.40) STD Report (OPER 40) RVL Log (OPER 40.40) Compost Operations Meeting Minutes (OPER 40.40)	RR&R	Superintendent  Specialist  Operations Personnel  Administrative Specialist  Administrative Personnel
			Field Supervisors Daily Log (OPER 40.30) Compost Board (Compost O&M Building Hallway)	RR&R	Operations Personnel
			Compost Temperature Probe Calibration (PER 10.5)	RR&R	Operations Specialist
			Marketing Compost Bags/Purchases & Bagging (OPER 40.40)		Specialist  Administrative Personnel
Biosolids Quality Monitoring <ul style="list-style-type: none"> <li>▪ Pathogen Destruction</li> <li>▪ Vector Attraction</li> </ul>	US EPA 40 CFR 503  CDPH&E Biosolids Reg 64(GOV	Sampling Plan for Long-Term Treatment Piles (GOV 15.30)	LabWorks Database Bench Sheets (OPER 55.35)	Analytical Services/ES	Chief of Analytical Services  Lab Personnel

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				Division/ Dept.	Person
Reduction <ul style="list-style-type: none"> <li>▪ Pollutants</li> </ul>	15.10)  Region VIII General Permit (GOV 15.30)		Compost Lab Monitoring Request (Outlook) BRR Self-Monitoring Report (OPER 40.30) Biosolids Annual Report (GOV 15.10)	RR&R	Specialist  Administrative Specialist  Administrative Personnel
Odor Control & Emissions <ul style="list-style-type: none"> <li>▪ scrubbers</li> <li>▪ windrow</li> <li>▪ aeration</li> <li>▪ biofilters</li> <li>▪ odor intensity rating certification</li> <li>▪ odor monitoring</li> </ul>	CDPH&E Regulation No. 2 Part A (GOV 15.10) Title V Air Emissions Permit (GOV 15.10)	Central Treatment Plant and Ag Site Odor Monitoring (PER 10.5) Class A Aerated Static Pile Composting (PER 10.5)	Off-site Odor Monitoring Surveillance Logs (GOV 15.10) Visual inspection Employee Certifications (OPER 40.40) Odor Monitoring Calendar (OPER 40.40) Odor Report (GOV 15.10 – CDPHE/APCD/Odor Complaints)	RR&R  Regulatory Compliance/ES	Administrative Specialist  Administrative Personnel  Superintendent  Operations Personnel  Regulatory Compliance Officer
Facility and Equipment Maintenance <ul style="list-style-type: none"> <li>• Preventive</li> <li>• Predictive</li> <li>• Corrective</li> </ul>	Colorado Discharge Permit (GOV 15.30)	O&M Manuals (Shop Library) CMMS and Maintenance SOPs (PER 10.5)	CMMS Database; Work Orders (VEH 05) Equipment History Detail (OPER 50.50)	RR&R	Superintendent  Maintenance Personnel