

Stormwater Only at Discharge Outfall
Analytical Monitoring Matrix for Compost Facilities - DRAFT

Compost Facility Type									I		II		III		IV	
Facility Size									Small	Large	Small	Large	Small	Large	Small	Large
Permit Required									Exempt	General	General ²	General ²	Individual	Individual	Individual	Individual
Monitored Constituents:	Units	DWQ Rec. Bmrk (Ref. 1)	Oregon 1200-Z Bmrk (Ref. 2)	Oregon 1200-COLS Bmrk (Ref. 2)	Washington Industrial General Bmrk (Ref. 2)	California Bmrk (Ref. 2)	Maine Multi- Sector General Permit Bmrk (Ref. 2)	Frequency ⁷								
Total Suspended Solids	mg/l	100	130	50	NA	100	NA	Quarterly	NA	✓	✓	✓	✓	✓	✓	✓
Chemical Oxygen Demand	mg/l	120						Quarterly	NA	✓	✓	✓	✓	✓	✓	✓
Biological Oxygen Demand	mg/l	30	30 (Ref. 3)	33	30	NA	NA	Quarterly	NA	✓	✓	✓	✓	✓	✓	✓
Total Nitrogen	mg/l	30						Quarterly	NA	NA	✓	✓	✓	✓	✓	✓
Total Phosphorous	mg/l	2	2 (Ref. 3)	0.16	2	2	2	Quarterly	NA	NA	✓	✓	✓	✓	✓	✓
E Coli (Either or?)	colonies/100ml	?	406	406	NA	NA	NA	Quarterly	NA	NA	NA	NA	TBD	TBD	✓	✓
Fecal Coliform	colonies/100ml	1000						Quarterly	NA	NA	NA	NA	TBD	TBD	✓	✓
pH	standard units	6 - 9	5.5-9	6.5-8.5	6 - 9	6 - 9	NA	Quarterly	NA	✓	✓	✓	✓	✓	✓	✓
Cu	mg/l	0.007	0.1	0.036	0.0636	NA	NA	Quarterly	NA	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Zn	mg/l	0.067	0.6	0.24	0.117	0.117	0.117	Quarterly	NA	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Pb	mg/l	0.03	0.4	0.006	0.0816	0.0816	0.0816	Quarterly	NA	TBD	TBD	TBD	TBD	TBD	TBD	TBD
TMDL ¹	--	--						Quarterly	NA	NA	NA	NA	✓	✓	✓	✓
Total Rainfall	Inches	NA						Quarterly	NA	✓	✓	✓	✓	✓	✓	✓

Notes:

1. Total Maximum Daily Limits (TMDL) - Additional parameters may be required depending upon site watershed. Units and benchmarks will depend on constituents in feedstocks.
2. Certain feedstock types may require Individual Permit.
3. FAV - Final Acute Value
4. Excludes vehicle maintenance activities triggers associated with General Permits
5. Normal tiered monitoring protocols for exceedances also apply.
6. Benchmarks are not violations they are triggers for action.
7. Monitoring frequency maybe stepped depending on data. Open to reduction of frequency based on consistent passing data.

References:

1. Individual Permit: Benchmarks and Rationale Document, August 10, 2007 provided by NCDENR - DWQ
2. Contract: Commerical Composting Water Quality Permit Development, May 12, 2004 provided by CH2MHill
3. Managing Storm Water, February 2008 provided by BioCycle