

Pollutant Guidance Table

This table is designed to provide overview guidance of possible pollutants along with sample testing indicators and observable pollutants.

Municipality: _____

Permit #: _____

Page #: _____

CATEGORY	CHEMICAL/MATERIAL	OBSERVATIONS	ANALYSIS INDICATORS	NOTES
Asphalt	Hot Asphalt	Visually Observable: Rainbow surface and/or brown suspension	No testing required (visually observable)	
	Liquid Asphalt			
	Cold Mix			
	Asphalt Concrete			
Cleaning Products	Acids	Not Visually Observable	High pH and acidity	pH meter
	Bleaches		Chlorine	Chlorine test kit
	Solvents		VOC & SVOC	EPA methods req.
	Detergents	Foam	No testing required (visually observable)	
	Ammonia	Strong smell	Ammonia	Ammonia meter
Concrete and Masonry Products	Portland Cement (PCC)	Milky liquid	No testing required (visually observable)	
	Mortar			
	Concrete Rinse Water			
	Masonry Products	Not Visually Observable	Low pH and alkalinity	pH meter
	Concrete/Masonry Sealants	Not Visually Observable	Methyl Methacrylate, Cobalt, Zinc	EPA methods req.
Landscaping Products	Soil Amendments	Not Visually Observable	Nitrates, Phosphates, Sulfates, Other Metals	EPA methods req.
	Fertilizers			
	Herbicides & Pesticides		Herbicide and pesticide chemicals	Per lab
	Lime		alkalinity	pH meter
	Soil & Sediment	Cloudiness, muddy, turbidity	No testing required (visually observable)	
Other	Petroleum, Fuels, & Oils	Rainbow Surface, Sheen, and Odor	No testing required (visually observable)	
	Chlorinated Water	Not Visually Observable	Total Chlorine	Chlorine test kit
	Adhesives		Phenols, SVOC	EPA methods req.
	Salts (Magnesium Chloride, Calcium Chloride, and Natural Brines)		Chloride, Cations, TDS	TDS Meter, EPA methods req.
	Antifreeze and similar	Colored liquid	No testing required (visually observable)	
	Batteries	Not Visually Observable	Lead, sulfuric acid, pH	pH meter & other

Paint Products	Paint	Colored liquid/paint	No testing required (visually observable)	
	Paint Strippers	Not Visually Observable	VOC, SVOC, COD	EPA methods req.
	Sealants			
	Lacquers, Varnish, etc.			
	Thinners & Solvents			
Special	Sewage	Odor (and floatables at times)	Ammonia (>1 mg/L)	Ammonia meter
	Mining Waste	Generally not observable	Contaminant Specific	Per lab
	Industrial Waste			
	Treated Wood Products	Not Visually Observable	Arsenic, Copper, Zinc	EPA methods req.
	Bacteria	Generally not observable	Bacteria Specific	Per lab

NOTES

1. A note of "EPA methods req." indicates an approved EPA method for testing for a specific pollutant is required (e.g. Method EPA 625 is used for testing SVOC).
2. A note of "Per lab" indicates there may a wide range of potential pollutants and may require multiple testing methods.
3. Potential pollutants to be tested may not be limited to the items in the table. Add additional sheets to this table outlining guidance for testing.
4. In a sampling report, note if pollutants tested were field tested or lab (or similar) tested. Provide proper chain-of-custody forms for analytical lab testing.
5. Primary source of information in the table provided by California Department of Transportation Construction Site Monitoring Program Guidance Manual, 2012 edition
6. Explanation of Acronyms:
 - COD: Chemical Oxygen Demand
 - EPA: United States Environmental Protection Agency
 - SVOC: Semi-volatile organic compounds
 - TDS: Total Dissolved Solids
 - VOC: Volatile Organic Compounds
7. Contact a certified laboratory or similar type entity for additional or specific guidance if necessary or applicable, including analytical guidelines for specific pollutants.
8. Hazardous or similar materials will provide specific pollutants of concern in Material Safety Data Sheets (MSDS).