



## PARKER STREET GUIDE TO SOIL SAMPLING RESULTS

CONTAMINANT CONCENTRATION	CONTAMINATION STATUS	WHAT YOU SHOULD DO	WHAT HAPPENS NEXT
Concentrations of one or more Contaminants of Concern in the top 12 inches of soil are greater than the State's Imminent Hazard criteria.	Measures are necessary to reduce potential exposure to contaminants.	Limit contact to the top foot of soil. Avoid activities that disturb the soil, such as gardening or digging. Soil should not be excavated, disrupted or removed from the property.	Officials will work with residents/property owner(s) to limit access to the top foot of soil during planning & implementation of a removal action.
Concentrations of one or more Contaminants of Concern in the top three feet of soil are greater than the State's MCP S-1 standards for No Significant Risk for current residential use.	Measures are necessary to address potential exposure to contaminants.	Limit activities that disturb the top three feet of soil. Soil should not be excavated, disrupted or removed from the property.	The top three feet of soil should not be excavated, disrupted or removed from the property while future actions are being evaluated by the EPA and State.
Concentrations of one or more Contaminants of Concern below three feet of soil are greater than the State's MCP S-1 standards for No Significant Risk for foreseeable future use.	The State will require long term plans or measures that are needed to address long-term potential exposure.	Soil should not be excavated, disrupted or removed from the property at a depth below three feet.	The State will require long-term plans or measures to be implemented to meet requirements for managing contaminated soil below three feet.
Contaminants of Concern were either undetected or reported at or below the State's MCP S-1 standards for No Significant Risk.	Concentrations of Contaminants of Concern are below State actionable levels or non-detect.	No action necessary.	No action necessary.

*This information is based on environmental regulatory cleanup levels used routinely by MassDEP, and utilized by the U.S. EPA, to guide soil removal decisions at the Parker Street Waste Site. These cleanup levels cannot be used to predict individual health risks. These cleanup levels are purposely set below levels at which adverse health effects are known to occur.*

**NOTES:**

**Contaminants of Concern** = contaminants associated with the Parker Street Waste Site [polychlorinated biphenyls (PCBs), arsenic, barium, cadmium, chromium, lead & polycyclic aromatic hydrocarbons (PAHs)].

**Imminent Hazard** = a condition where detected concentrations of Contaminants of Concern in soil trigger removal, capping or cleanup upon discovery.

**No Significant Risk** = a level of control of Contaminants of Concern in the environment such that none shall present an important or consequential risk of harm to human health, safety, public welfare or the environment.

**MCP** = Massachusetts Contingency Plan, MassDEP's regulations regarding the assesment and cleanup of releases of oil and/or hazardous materials to the environment and establishes standards and methods for determining whether or not there is any risk posed by presence of contaminants in the environment.

**S-1 standard** = MassDEP's soil standard that represents the concentrations that are considered protective for humans to come into frequent contact within a residential setting.

**This document is for explanatory purposes. It is not an EPA decision document. EPA and DEP are continuing to evaluate the data for any potential actions necessary.**