



Environmental Analysis

Consumers of most industrial products are responsible under civil and criminal codes — both state and federal — for the safe handling and disposal of waste streams. The financial penalties for noncompliance can be substantial. Multiple violations often carry *criminal penalties* and prison terms.

The laws regulating hazardous waste vary from state to state, and most problems commonly arise as a result of *contamination* during use. Abrasive blast and filtration media may contribute metallic ions that could increase the financial risk and potential liability to the user.

In the United States, the **Toxicity Characteristic Leaching Procedure** (the TCLP test) defines whether a waste stream is to be classified as a “hazardous” material requiring special handling.

Emerald Creek Garnet products contain no heavy metals that would expose the user to undue environmental or industrial hygiene risk. The table below shows the results of the TCLP test on a reference production sample of Emerald Creek Garnet material.

Copies of the laboratory report are available upon request.

Report of Analysis Toxicity Characteristic Leaching Procedure

Element	TCLP Limit mg/l	Actual mg/l
arsenic	5.0	< 0.1
barium	100	< 0.1
cadmium	1.0	< 0.02
chromium	5.0	< 0.05
lead	5.0	< 0.5
mercury	0.2	< 0.001
selenium	1.0	< 0.10
silver	5.0	< 0.05