

4.2.5 Additional Requirements for Waste Analysis

The owner or operator that treats, stores, or disposes of ignitable or reactive waste or mixes incompatible wastes or incompatible wastes with other materials must provide documentation that demonstrates that the reactions involved in the mixing and treatment of the reactive wastes will not:

- Produce uncontrolled toxic mists, fumes, dusts, or gases in quantities sufficient to threaten human health and the environment
- Produce uncontrolled flammable fumes or gases that may pose a risk to human health or the environment
- Damage the structural integrity of the device or facility
- Through other like means, threaten human health or the environment

The documentation may be based on references to published literature, data from trial tests, waste

analyses, or the result of treatment of similar wastes by similar treatment processes and under similar operating conditions. Permit writers may refer to [Appendix V of Part 264](#) for examples of potentially incompatible wastes.