Environmental Protection Agency


**STANDARD T—TABLES 0.05 LEVEL OF SIGNIFICANCE**

<table>
<thead>
<tr>
<th>Degrees of freedom</th>
<th>t-values (one-tail)</th>
<th>t-values (two-tail)</th>
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Adapted from Table III of "Statistical Tables for Biological, Agricultural, and Medical Research" (1947, R. A. Fisher and F. Yates).

(47 FR 32367, July 26, 1982)

**APPENDIX V TO PART 264—EXAMPLES OF POTENTIALLY INCOMPATIBLE WASTE**

Many hazardous wastes, when mixed with other waste or materials at a hazardous waste facility, can produce effects which are harmful to human health and the environment, such as (1) heat or pressure, (2) fire or explosion, (3) violent reaction, (4) toxic dusts, mists, fumes, or gases, or (5) flammable fumes or gases.

Below are examples of potentially incompatible wastes, waste components, and materials, along with the harmful consequences which result from mixing materials in one group with materials in another group. The list is intended as a guide to owners or operators of treatment, storage, and disposal facilities, and to enforcement and permit granting officials, to indicate the need for special precautions when managing these potentially incompatible waste materials or components.

This list is not intended to be exhaustive. An owner or operator must, as the regulations require, adequately analyze his wastes so that he can avoid creating uncontrolled substances or reactions of the type listed below, whether they are listed below or not.

It is possible for potentially incompatible wastes to be mixed in a way that precludes a reaction (e.g., adding acid to water rather than water to acid) or that neutralizes them (e.g., a strong acid mixed with a strong base), or that controls substances produced (e.g., by generating flammable gases in a closed tank equipped so that ignition cannot occur, and burning the gases in an incinerator).

In the lists below, the mixing of a Group A material with a Group B material may have the potential consequence as noted.

**GROUP 1-A**
- Acetylene sludge
- Alkaline caustic liquids
- Alkaline cleaner
- Alkaline corrosive liquids
- Alkaline corrosive battery fluid
- Caustic wastewater
- Lime sludge and other corrosive alkalies
- Lime wastewater
- Lime and water
- Spent caustic

**GROUP 1-B**
- Acid sludge
- Acid and water
- Battery acid
- Chemical cleaners
- Electrolyte, acid
- Etching acid liquid or solvent
- Pickling liquor and other corrosive acids
- Spent acid
- Spent mixed acid
- Spent sulfuric acid
- Potential consequences: Heat generation; violent reaction.

**GROUP 2-A**
- Aluminum
- Beryllium
- Calcium
- Lithium
- Magnesium
- Potassium
- Sodium
- Zinc powder
- Other reactive metals and metal hydrides

**GROUP 2-B**
- Any waste in Group 1-A or 1-B
- Potential consequences: Fire or explosion; generation of flammable hydrogen gas.

**GROUP 3-A**
- Alcohols
- Water
Group 3–B
Any concentrated waste in Groups 1–A or 1–B
Calcium
Lithium
Metal hydrides
Potassium
SO₂, Cl₂, SOCl₂, PCl₃, CH₃SiCl₃
Other water-reactive waste
Potential consequences: Fire, explosion, or heat generation; generation of flammable or toxic gases.

Group 4–A
Alcohols
Aldehydes
Halogenated hydrocarbons
Nitrated hydrocarbons
Unsaturated hydrocarbons
Other reactive organic compounds and solvents

Group 4–B
Concentrated Group 1–A or 1–B wastes
Group 2–A wastes
Potential consequences: Fire, explosion, or violent reaction.

Group 5–A
Spent cyanide and sulfide solutions

Group 5–B
Group 1–B wastes
Potential consequences: Generation of toxic hydrogen cyanide or hydrogen sulfide gas.

Group 6–A
Chlorates
Chlorine
Chlorites
Chromic acid
HyPOCHLORITES
Nitrates
Nitric acid, fuming
Perchlorates
Permanganates
Peroxides
Other strong oxidizers

Group 6–B
Acetic acid and other organic acids
Concentrated mineral acids
Group 2–A wastes
Group 4–A wastes
Other flammable and combustible wastes
Potential consequences: Fire, explosion, or violent reaction.

[46 FR 2872, Jan. 12, 1981]

Appendix VI to Part 264—Political Jurisdictions 1 in which Compliance with §264.18(a) Must Be Demonstrated

Alaska
Aleutian Islands
Kodiak
Anchorage
Lynn Canal-Icy Straits
Bethel
Palmer-Wasilla-
Bristol Bay
Tankeena
Cordova-Valdez
Seward
Ketchikan-Prince of
Fairbanks-Fort
Sitte
Yukon
Wade Hampton
Juneau
Wrangell Petersburg
Ketchikan
Yukon-Kuskokwim

Arizona
Cochise
Greenlee
Graham
Yuma

California
All

Colorado
Archuleta
Mineral
Conejos
Rio Grande
Hinsdale
Saguache

Hawaii
All

Idaho
Bannock
Franklin
Bear Lake
Fremont
Bingham
Jefferson
Bonneville
Madison
Caribou
Oneida
Cassia
Power
Clark
Teton

Montana
Beaverhead
Lake
Broadwater
Lewis and Clark
Cascade
Madison
Deer Lodge
Meagher
Flathead
Missoula
Gallatin
Park
Granite
Powell
Jefferson
Sanders

1These include counties, city-county consolidations, and independent cities. In the case of Alaska, the political jurisdictions are election districts, and, in the case of Hawaii, the political jurisdiction listed is the island of Hawaii.