

SHEPHERD UNIVERSITY

SCHOOL OF NATURAL SCIENCES & MATHEMATICS

WASTE DETERMINATION CHECKLIST

IS THE WASTE A RCRA LISTED HAZARDOUS WASTE (F-, P-, OR U-LISTED)?

- Does the waste appear on the list in 40 CFR §261.31 or on the lists in 40 CFR §261.33?

Examples: sodium azide; carbon disulfide; 2,4-dinitrophenol

IS THE WASTE A CHARACTERISTIC IGNITABLE WASTE (D001)?

- Is it a liquid that has a flash point below 60°C (140°F)?
- Is it a non-liquid capable of causing fire by friction, absorption of moisture or spontaneous chemical change?
- Is it a flammable or ignitable compressed gas?
- Is it an oxidizer that yields oxygen readily to stimulate the combustion of organic matter?

Examples: organic solvent waste; acetone; methanol

IS THE WASTE A CHARACTERISTIC CORROSIVE WASTE (D002)?

- Is it an aqueous solution with a $\text{pH} \leq 2$ or a $\text{pH} \geq 12.5$?
- Is the waste capable of corroding steel?

Example: acid waste; hydrochloric acid; ammonia solutions; sodium hydroxide

IS THE WASTE A CHARACTERISTIC REACTIVE WASTE (D003)?

- Does it react violently with water or produce toxic gases or explosive mixtures?
- Is it unstable or is it explosive?
- Does it contain cyanide or sulfides and generate toxic gases or explosives when exposed to a $\text{pH} \geq 2$ and ≤ 12.5 ?

Examples: 30% hydrogen peroxide, perchloric acid, phosphorus pentoxide

IS THE WASTE A CHARACTERISTIC TOXIC WASTE (D004-D043)?

- Does it contain contaminants found in the RCRA table of toxic substances at or above the specified concentrations?

Examples: benzene; chloroform; endrin; lead; mercury; pyridine

IF YOU ANSWERED “YES” TO ANY OF THE ABOVE QUESTIONS, YOUR WASTE IS A RCRA-HAZARDOUS WASTE...

- Label the container as “**Hazardous Waste.**”
- List the waste **Contents** – do not use abbreviations or chemical formulas and include percentages, if known.
- Label the waste with the **Accumulation Start Date.**
- Include pH on the label, if known.

IF YOU ANSWERED “NO” TO ALL OF THE ABOVE QUESTIONS, YOUR WASTE IS A NON-HAZARDOUS WASTE...

- Do not label the container as “Hazardous Waste.”
- List the waste **Contents** – do not use abbreviations or chemical formulas and include percentages, if known.
- Label the waste with the **Accumulation Start Date.**
- Include pH on the label, if known.

IF YOU ARE UNSURE...

- Label the waste as “**Hazardous Waste.**”
- List the waste **Contents** – do not use abbreviations or chemical formulas and include percentages, if known.
- Label the waste with an **Accumulation State Date.**
- Include the pH on the label, if known.
- A final waste determination will be made by the safety technician or professional consultants at a later time.