BUREAU OF MATERIALS
MATERIALS PROCEDURES

MP NUMBER: 24-25
EFFECTIVE DATE: 07/16/25

APPROVAL: *Edward Inman*

HAZARDOUS WASTE MATERIALS – BUREAU OF MATERIALS - TRENTON

PURPOSE:

To establish procedures for safely disposing hazardous materials.

SUPERSEDES:

None

SCOPE

This procedure will cover the correct procedure on how to dispose materials that are hazardous. This is very important because if not done correctly then there is a possibility for certain dangerous chemical reactions to occur. Also there is a procedure on who to call to pick up the hazardous materials.

DEFINITIONS

EPA – Environmental Protection Agency
ESB – Environmental Service Building
ESG – Environmental Service Group
Hazardous Waste – Waste that is dangerous and is capable of effecting human health or environment. It usually has one of the 4 characteristics: flammable, corrosive, reactive, toxic.
RCRA – Resource Conservation and Recovery Act
SAA – Satellite Accumulation Area
This is the storage location where the hazardous material. It can not be larger than 55 gallons

REFERENCES:

Code of Federal Regulations Title 40 Part 261

II. PROCEDURE:

Identify

All hazardous waste must be identified and disposed in accordance with the Code of Federal Regulations, Title 40 Part 261. A copy of Part 261.3 The Definition of a Hazardous Material is in the central MSDS files. It can also be found at http://www.access.gpo.gov/nara/cfr/waisidx_03/40cfr261_03.html

It is important to identify hazardous materials, because they cannot be poured down the drain. All the acids and alkalis that have been neutralized by the experiment can be discarded down the drain. While pouring have a good stream of water running so nothing is damaged.

Table 1: Drain Disposable Substances

Solutions adjusted to a pH between 6 and 9		**Polyhydrox-Alcohols**
Acetic Acid	Ammonium Hydroxide	1,2-Propylene Glycol
Formic Acid	Potassium Carbonate (potash)	Glycerol (Glycerine)
Hydrobromic Acid	Potassium Hydroxide	Manniton
Hydrochloric Acid	Sodium Carbonate (soda ash)	Sorbitol
Hydriodic Acid	Sodium Hydroxide	
Nitric Acid	Sodium Pyrophosphate	
Phosphoric Acid	Trisodium Phosphate	
Phosphorous Acid		
Sulfuric Acid		

Vitamins	**Other**	
L-Ascorbic Acid	Acetylsalicylic Acid	Sodium Bicarbonate
	Alum (Sodium Aluminum Sulfate)	Sodium Bisulfate
	Sodium Tetraborate Decahydrate	Sodium Bitartrate
	Boric Acid	Sodium Carboxymethylcellulose
	Calcium Chloride	Sodium Chloride
	Calcuim Phosphate Monobasic	Sodium Citrate
	Calcium Superphosphate	Sodium Dihydrogen Phosphate
	Calcium Triple Superphosphate	Sodium Hypochlorite
	Casein	Sodium Mono-hydrogen Phosphate
	Citric Acid	Sodium Nitrate
	Dextrin	Sodium Potassium Tartrate
	Gelatin	Sodium Silicate
	Magnesium Sulfate	Sodium Sulfate
	Potassium Aluminum Sulfate	Urea
	Potassium bitartrate	

For all the chemicals containing sodium, the corresponding Potassium or Ammonium (salt) compound may be substituted.

Label

All containers must be clearly labeled. Write the name of the chemical and date full on each drum.

Storage Until Pick Up

A. Label all drums/containers with the full name of chemical(s) being placed in it.
B. Labels should have the concentration if known listed along with the name and date placed in the container.
C. Package all samples so that they do not leak, spill, or vaporize.
D. Admixtures should be left in the original sample bottle. They will be placed in the SAA (55 gallon drum) in Gate 3 of the satellite fenced area located in the alley next to Thiokol Building # 4. It is locked so you will need keys.
E. Paints and epoxy should be left in the original sample cans. They will be placed in the SAA (55 gallon drum) in Gate 3 of the satellite fenced area located in the alley next to Thiokol Building # 4. It is locked so you will need keys.
F. For the Bituminous section, any sample that is in a can or bottle goes in the SAA (55 gallon drum) in Gate 2 of the satellite fenced area located in the alley next to Thiokol Building # 4. These drums shall be labeled "AC Cans". All the liquids such as Acetone, Hi-Sol, Xylene, Cryotech Cf7, Reagent Alcohol, and Liquid Asphalt go in the red can that is labeled "Liquids". Nothing is to be poured in sink**.**
G. There are plastic containers for organic and inorganic waste in the fenced area.

Pickup

Drums get clearly labeled with the date and the word "full" when ready to be picked up. Then contact Bill Bozarth or Jason Nowak for pick up. Note all full SAA must be shipped out within 3 days.

E-mail at William.Bozarth@dot.nj.gov or Jason.Nowak@dot.nj.gov
Phone: 609-922-2364 or 609-922-2659
Fax: 609-530-5305