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Revised
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BMP MEC-ITD#2

TITLE: DETERMINING CHEMICAL COMPATIBILITY

Regulatory Citation: 6 NYCRR Part 373-3.9(G)(1)&(2)

Applicability: Waste and Raw Chemical Storage Areas.

Purpose: To determine the compatibility of waste and/or virgin chemicals that are stored together.

**Person or
Department Responsible:** MEC Laboratory Assistant

Schedule: As needed

Procedures: Using established EPA waste compatibility tables, the compatibility of virgin and waste chemicals that are to be stored together has been determined as indicated on the following table. The Lab Assistant will notify the Coordinator of Environmental Health & Safety of any changes/additions to the chemical inventory to assure proper storage location.

Cabinet/Location	Materials stored
Acid cabinet	Concentrated acids
Flammable storage cabinet	Alcohols and all other oils, solvents and organic materials
Flammable storage cabinet	Ammonium hydroxide ¹
Countertop cabinet for corrosives – bases	Sodium hydroxide solid ²
Acid cabinet	Ammonium peroxydisulfate ³
Acid cabinet	Copper chloride, copper sulfates ⁴
Countertop cabinet for corrosives - bases	gallium ⁵

Record keeping: Not Applicable.

Record Location: Not Applicable.

Contact: Laboratory Assistant (629-7108)
Coordinator of Environmental, Health and Safety (629-7163)

HVCC\BMP\MEC-ITD\#2-compatibility

¹ Not compatible with acids, copper, zinc, iron, dimethyl sulphate, mercury, metals, alkali metals, halogens

² Keep containers closed tight, away from water. Not compatible with metals and acids.

³ Keep containers closed tight. Not compatible with reducing agents, iron, sodium peroxide, powdered aluminum

⁴ Keep containers closed tight away from moisture. Not compatible with bases

⁵ Moisture sensitive, keep containers closed tight. Not compatible with hydrogen peroxide, oxidants, hydrochloric acid, halogens, phosphorus, sulfur, bases, metals.