

METH PRODUCTION & ENVIRONMENTAL CLEANUP

JOHN ELKINS
ENVIRONMENTAL MANAGEMENT DEPT



METH PRODUCTION

- **Red Phosphorus:** ephedrine or pseudoephedrine, hydriodic acid (or iodine), and red phosphorus.
 - Yield: multi-pound quantities of high quality d-methamphetamine.
- **Iodine/Hypophosphorous Acid:** ephedrine or pseudoephedrine, iodine, and hypophosphorous acid. Known as the hypo method.
 - Yield: High yield of d-methamphetamine.
 - Often resulting in fires and explosions because of phosphine gas produced during the methamphetamine production process.
- **Birch:** Ephedrine or Pseudoephedrine, anhydrous ammonia, and sodium or lithium metal. Also known as the Nazi method.
 - Yield: ounce quantities of high quality d-methamphetamine
- **Phenyl-2-propanone (P2P):** Phenyl-2-propanone, aluminum, methylamine, and mercuric chloride.
 - Yield: lower quality dl-methamphetamine



METH PRODUCTION

- SHAKE & BAKE (ONE POT METHOD)
 - Pseudoephedrine and household chemicals
 - Yield: very small (personal use)
 - No cooking
- CONVERSION “LAB”

Methamphetamine Contaminated Property Cleanup Act of 2005

- ✘ Requires local *Health Officer* to take specified actions after receiving notification from law enforcement of methamphetamine lab activity.
- ✘ Authorizes *Health Officer* to delegate duties to local environmental agency, i.e. CUPA.

Local Agency Responsibilities

Within 48 hours of Notification from Law Enforcement:

- ☠ The property must be posted with a “warning” sign.
- ☠ If possible, obtain names of occupants.

Local Agency Responsibilities

Within 5 Working Days of Notification by Law Enforcement:

- ☒ Conduct an on-site inspection.
- ☒ Complete field worksheet.
- ☒ Make contamination determination.
- ☒ Obtain law enforcement report.

Local Agency Responsibilities

Within 10 Working Days of Determining Contamination:

- ☠ Record lien with County Recorder.
- ☠ Obtain information on all known persons who have an interest in the property.
- ☠ Prepare and Send Remediation Order (Order).

Remediation Order

Order goes to:

- ☠ Property owner, all known occupants, any persons who have interest in the property, as per County Recorder's records.
- ☠ Local code enforcement agency.

Order must be:

- ☠ Posted in a conspicuous place on the property.

Property Owner Responsibilities

- ☒ Must hire contractor within 30 days from receipt of Order.
- ☒ Owner/Contractor must submit Preliminary Site Assessment (PSA) Work Plan within 30 days after hiring contractor.
- ☒ Owner/Contractor must complete remediation work within 90 days after PSA Work Plan has been approved.
- ☒ PSA Report must be submitted after remediation work has been completed.

Local Agency Response to the PSA

Within 10 Working Days of PSA Work Plan Submittal:

- ☠ PSA Work Plan must be reviewed to determine compliance with H&SC 6.9.1.

Within 15 Working Days of PSA Work Plan Submittal:

- ☠ Owner must be notified of deficiencies or approval of PSA Work Plan.
- ☠ After remediation is complete, PSA Report must be reviewed to determine compliance with H&SC Chapter 6.9.1.

Methamphetamine Contaminated Property Cleanup Act of 2005 – Other Issues

Established Interim Re-Occupancy Criteria:

Methamphetamine:

☠ 0.1 microgram per 100 square centimeters.

Lead and Mercury:

☠ 20 micrograms per square foot.

☠ 50 nanograms per cubic meter of air.

Methamphetamine Contaminated Property Cleanup Act of 2005 – Other Issues

- ☠ Property Owner may not clean or remediate themselves.
- ☠ PSA Work Plan and PSA Report must be signed and notarized by contractor and by a Certified Industrial Hygienist.
- ☠ If property owner does not initiate or complete remediation, the City or County may remediate property.
- ☠ Property owner is liable for the remediation costs to the City or County.

Tying Up Loose Ends

Within 10 Working Days of Property Remediation:

- ☠ Payment due on lien to local agency.
- ☠ Once costs are recovered, local agency must release lien.
- ☠ Local agency must send No Further Action letter to all parties who received Remediation Order.

Enforcement

Maximum \$5,000 Civil Penalty for the Following:

- ☠ Person disturbing or destroying “Warning” posting.
- ☠ Person violating “Warning” posting.
- ☠ Property owner who does not provide a notice or disclosure to potential buyers or renters.
- ☠ Person who violates an Order prohibiting use or occupancy of contaminated property.

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