



Environmental Management Consulting, Inc.

Bloodborne Pathogens

Pathogenic Microorganisms including but not limited to HIV, HBV & HCV found in:

- Human Blood
- Other Potentially Infectious Materials (OPIM)

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- **ALL BODILY FLUIDS**
- Fluids found around the heart, lungs and abdomen
- Saliva in dental procedures
- Any body fluid visibly contaminated with blood
- All body fluids if it is impossible to differentiate between body fluids
- Other Human Tissues

Exposure Incident

Exposure to blood or OPIM via:

- Eyes, Nose, Mouth, Mucus Membranes & Open Cuts
- Workplace exposure?
 - Wash thoroughly
 - Report to Supervisor
 - Medical Evaluation
 - Form WKC8165
- SB230 (04/16/04): State Law Amendment - HIV Disclosure

Universal Precautions

Treat all human blood and bodily fluids as if known to be infected with HIV, HBV, HCV or any other bloodborne pathogens

- “Act as though everyone is infected with everything”.

HIV - Human Immuno-deficiency Syndrome

- Virus that causes AIDS
- Dies quickly outside of body
- No vaccine or cure
- Treatments getting better
- 900,000 U.S. infections with AIDS/HIV

Hepatitis B Virus (HBV)

- Very hardy (up to 1 week)
- Vaccine available, no cure
- 1.25 Million U.S. infections (more than AIDS/HIV)
- 75,000 new infections/year
- Treatment: Alpha Interferon

Hepatitis C Virus (HCV)

- Acute and chronic liver disease
- No vaccine or cure
- 3.9 Million U.S. infections (1.8% of population)
- 55% - 85% chronic infections
- 80% of infected persons have no signs or symptoms.
- 25,000 new infections/year

Hepatitis B Vaccination

- Series of 3 shots - offered free within 10 days of employment:
 - Initial
 - 1 month
 - 6 month
- 85-97% effective at preventing HBV or becoming a carrier
- Duration
 - CDC study showed that Individuals vary.
 - Blood Titer to check antibodies/immunity
- Employee exposure determination
 - Pre-exposure vaccination
 - Post-exposure vaccination (within 24 Hours)

Regulated Waste

- Items with blood that could be released during handling:
 - Pourable, spillable, dripable, squeezable, flakeable, splashable
- Biohazard bags
 - Red or orange-red with biohazard symbol
- Sharps containers
 - Any sharp item with blood or OPIM

Exposure Control Plan

Outlines how exposures are minimized and what to do in case of a workplace exposure

- “Occupational Exposure”
- Know the location of plan
- Exposure control plan manager
- Annual review of plan
- Exposure incident reporting, and follow-up documentation.

Spill Clean Up

- Gloves, Goggles, Apron, Mask and Disinfectants

Annual Plan Review

- Employee Occupational Exposure Determination
- Review Safer Medical Devices
- Sharps Injury Log
- Solicit Employee Input

More Information?

- CDC, DHFS, OSHA, WHO