

**LA-UR-17-23659**

Approved for public release; distribution is unlimited.

Title: Biosafety- A Regulatory Primer for DOE/NNSA Sites

Author(s): Siegel, Dina Mary

Intended for: Industrial Hygiene/Occupational Safety Special Interest Group Steering  
Committee Conference Call 05/09/2017

Issued: 2017-05-04

---

**Disclaimer:**

Los Alamos National Laboratory, an affirmative action/equal opportunity employer, is operated by the Los Alamos National Security, LLC for the National Nuclear Security Administration of the U.S. Department of Energy under contract DE-AC52-06NA25396. By approving this article, the publisher recognizes that the U.S. Government retains nonexclusive, royalty-free license to publish or reproduce the published form of this contribution, or to allow others to do so, for U.S. Government purposes. Los Alamos National Laboratory requests that the publisher identify this article as work performed under the auspices of the U.S. Department of Energy. Los Alamos National Laboratory strongly supports academic freedom and a researcher's right to publish; as an institution, however, the Laboratory does not endorse the viewpoint of a publication or guarantee its technical correctness.

# Industrial Hygiene/Occupational Safety

## Special Interest Group

### Steering Committee Conference

#### Call

**Biosafety- A Regulatory Primer for DOE/NNSA Sites**

**Presented by: Dina Siegel**

**May 16, 2017**

# BIOLOGICAL SAFETY OVERVIEW

---

Objectives of a biological safety program:

- ensure that work with biological materials is conducted in compliance with applicable biosafety standards, and
- ensure protection of workers, facilities, the public, and the environment.

# KEY DRIVERS

---

## Biosafety Standards

- **10 CFR 851, *Worker Safety and Health Program***
- **42 CFR 73, *Public Health, Select Agents and Toxins* / 7 CFR 331, *Agriculture, Possession, Use, and Transfer of Select Agents and Toxins* and 9 CFR 121, *Animals and Animal Products, Possession, Use, and Transfer of Select Agents and Toxins***
- **29 CFR 1910.1030, *Occupational Safety and Health Standards, Bloodborne pathogens***
- **7 CFR 330, *Agriculture, Federal Plant Pest Regulations; General; Plant Pests; Soil, Stone, and Quarry Products; Garbage***
- **9 CFR 92, 94, 95, 96, 122, and 130, *Animals and Animal Products***
- **29 CFR 1904.8, *Labor, Recording and Reporting Occupational Injuries and Illnesses, Recording criteria for needlestick and sharps injuries***

# KEY DRIVERS

---

## Biosafety Standards

- 42 CFR 71, *Public Health, Foreign Quarantine*
- 49 CFR 171 and 173, *Transportation*
- Biosafety in Microbiological and Biomedical Laboratories, Fifth edition, Centers for Disease Control and National Institutes of Health
- Guidelines for Research Involving Recombinant DNA Molecules, National Institutes of Health, Federal Register
- United States Government Policy for Institutional Oversight of Life Sciences Dual Use Research of Concern
- DOE O 151.1D Comprehensive Emergency Management System

# Regulatory Reminders Discussion

---

- Bloodborne Pathogens, 29 CFR 1910.1030
- Research of Concern/Dual Use Research of Concern
- Biological Select Agents and Toxins
- DOE 151.1D, Comprehensive Emergency Management System: Hazardous Biological Agents and Toxins
- Institutional Biosafety Committee