

## Read Free Containment Facilities And Safeguards For Exotic Plant Pathogens And Pests

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### **Containment Facilities And Safeguards For**

Containment Facilities and Safeguards for Exotic Plant Pathogens and Pests. Edited by R. P. Kahn and S. B. Mathur. St. Paul, Minnesota: APS Press (1999), pp. 213, US\$69.00. ISBN 0-89054-197-3. -

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Volume 36 Issue 3 - S. R. H. Langrell

## **Containment Facilities and Safeguards for Exotic Plant ...**

With the globalization of trade, it has become necessary for all parties to upgrade existing facilities and services to ensure the safe import and export of agricultural products. This book brings...

## **Containment Facilities and Safeguards for Exotic Plant ...**

(2) Safeguards in place with associated work practices to protect entity personnel, the public, and the environment from exposure to the select agent or toxin including, but not limited to: Personal protective equipment and other safety equipment; containment equipment including, but not limited to, biological safety cabinets, animal caging systems, and centrifuge safety containers; and engineering controls and other facility safeguards;

## **7 CFR § 331.12 - Biocontainment. | CFR | US Law | LII ...**

“Containment Facilities and Safeguards for Exotic Plant Pathogens and Pests” (Robert P. Kahn and S.B. Mathur eds., 1999), “A Practical Guide to Containment: Plant Biosafety in Research Greenhouses” (Dann Adair and Ruth Irwin, 2008), and

## **Federal Select Agent Program - Biosafety/Biocontainment ...**

Containment facilities and safeguards for exotic plant pathogens and pests. St. Paul, Minn. : APS Press : American Phytopathological Society, ©1999 (OCOLC)744474875: Document Type: Book: All Authors / Contributors: Robert P Kahn; S B Mathur. Find more information about: ISBN: 0890541973 9780890541975 ...

## **Containment facilities and safeguards for exotic plant ...**

Under the U.S. – IAEA Safeguards Agreement, the United States provides access to declared nuclear

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facilities and data on declared nuclear material to the IAEA. This transparency allows the IAEA to ensure that nuclear material, at a declared facility, remains within the scope of "peaceful uses."

### **NRC: International Safeguards**

These measures – authorized under NPT-type comprehensive safeguards agreements - largely are based on nuclear material accountancy, complemented by containment and surveillance techniques, such as tamper-proof seals and cameras that the IAEA installs at facilities. Another set adds measures to strengthen the IAEA's inspection capabilities.

### **IAEA Safeguards Overview | IAEA**

These guidelines are a reference to help you (a scientist of a state, federal, or commercial entity) design, build, maintain, and operate a containment facility for receipt of high risk non- indigenous bacterial plant pathogens (including mycoplasmas, spiroplasmas). These guidelines are not intended for the containment of imported high risk nematode plant pathogens, airborne fungal plant pathogens, viruses, nematodes, or arthropods.

### **CONTAINMENT GUIDELINES FOR PLANT PATHOGENIC BACTERIA**

design options are narrowed, call or fax PPQ's Containment Facility staff at (301) 734-5592 or FX (301) 734-5392 and continue discussions as the facility is planned and built. [Other useful containment references (non-USDA-APHIS) are 1) "Containment Facilities and Safeguards for Exotic Plant Pathogens and Pests" 1999. R. P. Kahn and S. B Mathur.

### **VIRAL PLANT PATHOGENS**

Facilities and engineering safeguards should resemble a medical diagnostic laboratory. Biosafety Level 3 (BSL-3) is for disease-causing organisms that can cause death in humans. Examples include tuberculosis and West Nile virus. Such organisms should be worked with in a specialized

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containment laboratory building.

## **Biosafety Level 4 Labs Up Close and Personal | HPAC ...**

Although not required to do so under the Treaty on the Non-Proliferation of Nuclear Weapons (NPT), the U.S. voluntarily signed (in 1977) and brought into force a safeguards agreement that permits the IAEA "... to apply safeguards, ..., on all source or special fissionable material in all facilities within the United States, excluding only those facilities associated with activities with direct national security significance to the United States..."

## **NRC: U.S. - IAEA Safeguards Agreement**

Certified essential poliovirus laboratories and Sabin-IPV vaccine production facilities handling and storing OPV/Sabin materials (but no WPV) must implement final provisions for containment of all OPV/Sabin polioviruses, including primary and secondary safeguards . Once Phase IIIb begins, facilities that have not received national certification for final containment of all OPV/Sabin polioviruses will no longer be permitted to handle and store OPV/Sabin materials.

## **World Health Organization Guidelines for Containment of ...**

containment facility is not necessary but BSL-2 practices may not provide adequate safeguards, then the use of BSL-3 practices in a BSL-2 laboratory may be appropriate. At this stage a suitable BSL-2 laboratory space should be

## **A Practical Guide to Implementing a BSL-2+ Biosafety ...**

With regard to "Containment," the concept is generally accepted as "A set of measures including biological containment, practices, safety equipment, and facility safeguards that protect workers, the community and the environment from exposure to and/or unintentional escape of biological material" (adapted from WHO, 2004).

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## **Frontiers | Biosafety and Biosecurity in Containment: A ...**

The basic document on IAEA safeguards under the Non-Proliferation Treaty identifies surveillance and containment as important measures which complement material accountancy in serving the main safeguards objective: timely detection of diversion of significant quantities of nuclear material.

## **Surveillance and Containment Measures to Support IAEA ...**

safeguards agreement with the IAEA. These technical measures include, for example, on-site inspections, nuclear material accountancy, physical measurements, facility design information verification, containment using tamper-indicating tags and seals, surveillance, and environmental sampling. Safeguards Necessary?

## **U.S. DEPARTMENT OF ENERGY**

The biocontainment and containment procedures must be sufficient to contain the select agent or toxin (e.g., physical structure and features of the entity, and operational and procedural safeguards).

## **Entity Name: Inspection Date: Building/Rooms: Inspectors ...**

Secondary safeguards: facilities in areas of high immunity WPV facilities: full national routine polio immunization policy (IPV) Sabin facilities: post eradication routine polio immunization policy (as per SAGE and WHO recommendations) Tertiary safeguards: facilities in areas with low poliovirus reproductive rates (R 0)

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