

READ ADVISORY MATERIAL FOR THE IAEA REGULATIONS FOR THE SAFE TRANSPORT OF RADIOACTIVE MATERIAL SAFETY SERIES

#7 The Regulatory Framework for the Safe Transport of Radioactive Material - #7 The Regulatory Framework for the Safe Transport of Radioactive Material by IAEA Nuclear Safety and Security 1,461 views 7 years ago 8 minutes, 15 seconds - This is one in a **series**, of “Vodcasts” produced by the **IAEA**, that discuss the basics of the **safe transport**, of **radioactive material**,.

Introduction

International Regulatory Framework

International Maritime Organization

Other Methods of Transport

The Safe and Secure Transport of Radioactive Material - The Safe and Secure Transport of Radioactive Material by IAEA Nuclear Safety and Security 17,446 views 7 years ago 31 minutes - Every year around 20 million **Radioactive Material**, (RAM) packages are transported worldwide by road, rail, sea, and air.

JOHANNESBURG, SOUTH AFRICA

HEATHROW AIRPORT LONDON, UNITED KINGDOM

AMERSHAM, UNITED KINGDOM

#2 Packaging of Radioactive Material for Transport - #2 Packaging of Radioactive Material for Transport by IAEA Nuclear Safety and Security 32,044 views 7 years ago 7 minutes, 21 seconds - This is one in a **series**, of “Vodcasts” produced by the **IAEA**, that discuss the basics of the **safe transport**, of **radioactive material**,.

Types of Packaging

Testing of a Type B Package

Companion Films

#10 The safety record for the Transport of Radioactive Material - #10 The safety record for the Transport of Radioactive Material by IAEA Nuclear Safety and Security 2,053 views 7 years ago 5 minutes, 35 seconds - This is one in a **series**, of “Vodcasts” produced by the **IAEA**, that discuss the basics of the **safe transport**, of **radioactive material**,.

Introduction

Safety

Success

Package escaping

No accidents

Conclusion

#5 Transport of Radioactive Material by Air - #5 Transport of Radioactive Material by Air by IAEA Nuclear Safety and Security 4,160 views 7 years ago 5 minutes, 51 seconds - This is one in a **series**, of “Vodcasts” produced by the **IAEA**, that discuss the basics of the **safe transport**, of **radioactive material**,.

Introduction

Overview

Why Air Transport

International Supply Chain

International Regulations

#9 Marking, Labelling, and Placarding in the Transport of Radioactive Material - #9 Marking, Labelling, and Placarding in the Transport of Radioactive Material by IAEA Nuclear Safety and Security 15,199 views 7 years ago 7 minutes, 31 seconds - This is one in a **series**, of “Vodcasts” produced by the **IAEA**, that discuss the basics of the **safe transport**, of **radioactive material**,.

#1 Uses of Radioactive Material - #1 Uses of Radioactive Material by IAEA Nuclear Safety and Security 8,660 views 7 years ago 5 minutes, 2 seconds - This is one in a **series**, of “Vodcasts” produced by the **IAEA**, that discuss the basics of the **safe transport**, of **radioactive material**.

#6 Transport of Radioactive Material by Sea - #6 Transport of Radioactive Material by Sea by IAEA Nuclear Safety and Security 2,142 views 7 years ago 7 minutes, 35 seconds - This is one in a **series**, of “Vodcasts” produced by the **IAEA**, that discuss the basics of the **safe transport**, of **radioactive material**.

IaaS Explained - IaaS Explained by IBM Technology 161,037 views 4 years ago 8 minutes, 7 seconds - Infrastructure as a Service, or IaaS, is a type of cloud service that provides users an instant computing infrastructure that can be ...

Object Storage

The Network

Ai Workload

The Plutonium Connection | Full Documentary | NOVA | PBS - The Plutonium Connection | Full Documentary | NOVA | PBS by Documentary Hub 78,600 views 2 years ago 58 minutes - With information into making a small **nuclear**, bomb readily obtainable, NOVA determines whether **nuclear**, reprocessing plants are ...

The Truth About Nuclear Energy - The Truth About Nuclear Energy by AsapSCIENCE 1,003,331 views 2 years ago 12 minutes, 11 seconds - Written by Greg Brown and Laura Roklicer Edited by Luka Šarlija Video References: InANutShell - How Many People Did **Nuclear**, ...

Intro

History of Nuclear Energy

Health Risks

Skillshare

Safety

Waste

Economics

These tunnels are designed for 100,000 years - These tunnels are designed for 100,000 years by Tom Scott 4,083,983 views 4 years ago 6 minutes, 9 seconds - Onkalo, on the Finnish island of Olkiluoto, is planned to be the first geologic storage facility for high-level **nuclear**, waste: eventually ...

Securing Radioactive Sources - Securing Radioactive Sources by IAEAvideo 15,439 views 10 years ago 5 minutes, 12 seconds - A team of experts from South Africa's **Nuclear**, Energy Corporation has removed 16 highly **radioactive**, sources from disused ...

Is Solar Energy Really Better Than Nuclear Energy? - Is Solar Energy Really Better Than Nuclear Energy? by The Infographics Show 650,876 views 7 years ago 5 minutes, 30 seconds - Nuclear, energy is a cheap and relatively clean source of energy for the planet, but lately it has been mired in controversy.

Intro

Nuclear Energy vs Solar Energy

History of Nuclear Energy

Safety of Nuclear Energy

Conclusion

Lab Safety: Radiation Safety for Nuclear Substances and Radioisotopes - Lab Safety: Radiation Safety for Nuclear Substances and Radioisotopes by Toronto Metropolitan University 20,170 views 6 years ago 13 minutes, 9 seconds - At Ryerson University, **safety**, means that lab personnel protecting themselves from exposures to common types of ionizing ...

Environmental Health \u0026amp; Safety

Types of Ionizing Radiation

Alpha 2. Beta 3. Gamma

1. Cell Death and breakdown of DNA 2. Longterm health issues

Alpha Radiation

1. Two protons 2. Two electrons

1. Strongest ionization 2. Weakest penetration

1. Paper is a suitable barrier 2. Will not penetrate human skin

Ingestion or inhalation is a serious biohazard

Common Uses: 1. Smoke detectors 2. Pacemakers

Beta Radiation

High energy electrons or positrons

1. Median ionization 2. Median penetration

Plexiglass or aluminium are suitable barriers

Can penetrate human skin

Common Uses: 1. Medical imaging 2. Leak detection

Gamma Radiation

High energy electromagnetic radiation

1. Lowest ionization 2. Highest penetration

Lead or concrete are suitable barriers

Can penetrate and pass through human skin

Exposure results in cellular damage

Common Uses: 1. Medical equipment cleaning 2. Cancer treatment

Minimizing Exposure

1. Time 2. Distance 3. Shielding

Ensure use of shielded stock containers

1. Stock Solution Storage 2. Waste Collection

Maximize distance from source

Monitoring Overview

Tritium has such low levels of radiation emission it won't be detected by most devices

Indirect Monitoring

2. Marker

Spill Cleanup

Priorities: 1. Protect yourself and nearby persons 2. Cleanup of spill

Ensure you have the appropriate personal protective equipment

416-979-5000 ext. 554212 415 Yonge Street Suite 1802, Room 1802-B

Cover area 2. Tape down cover 3. Contact Radiation Safety Officer

Where can you find EASA Part M and Part 145 regulations - Where can you find EASA Part M and Part 145 regulations by Airline Basics 14,511 views 3 years ago 22 minutes - Welcome to my first ever YouTube video! Aviation is a very highly regulated industry. But where can you find those aviation ...

Intro

Welcome

Should you be revisiting the regulations

The AMC and Guidance Material

Where can you find EASA Regulations

Table of Contents

AMC

Minimum Equipment List

Aircraft Maintenance Program

Guidance Material

Conclusion

Nuclear Power Plant Safety Systems - Nuclear Power Plant Safety Systems by Canadian Nuclear Safety Commission - CNSC 2,815,314 views 10 years ago 11 minutes, 36 seconds - This video explains the main **safety**, systems of Canadian **nuclear**, power plants. The systems perform three fundamental **safety**, ...

Introduction

Controlling the Reactor

Cooling the Fuel

Containing Radiation

Canada's Nuclear Regulator

DIY Intake Manifold Flapper Mod | Piggy Pipe Install | Audi S4 B6 B7 - DIY Intake Manifold Flapper Mod | Piggy Pipe Install | Audi S4 B6 B7 by Figure It Audi 19,202 views 1 year ago 37 minutes - I remove the OE downpipes and **show**, how to install piggy pipes, plus a step by step tutorial on the flap mod for the 4.2L V8

intake ...

Intro

Under hood insulation fix

Piggy pipe downpipes install

How oxygen sensors work

Oxygen sensor spacer demo

How the intake manifold flap works

Flapper mod DIY steps

Flapper arm repair mod

Gooooold!

CDE Series 6 - Radiation Safety : Transport of Radioactive Material \u0026amp; Disposal of Radioactive Waste -

CDE Series 6 - Radiation Safety : Transport of Radioactive Material \u0026amp; Disposal of Radioactive Waste by Consortium of Accredited Healthcare Organizations 2,303 views 2 years ago 26 minutes - Speaker : Dr. Sarika Prashar Moderator :Dr. Seema Bhargava.

Intro

4 modes of transportation in one Picture

Why need of regulations for the transport of RAM

What are various steps during the transport

What is inside a transport package

Type A Package

What are the values of A1 and A2 of important clinical radionuclides

Marking trefoil symbol

What are Package requirements

Prepare the package for transport

Emergency Situation

RW Disposal

High Dose Therapy ward

Delay tank system with two tanks

Gaseous waste disposal

Maximum activities of radionuclide for disposal of corpses without special precautions (Activity in MBq)

#3 Testing of Radioactive Material Packages - #3 Testing of Radioactive Material Packages by IAEA

Nuclear Safety and Security 17,672 views 7 years ago 6 minutes, 57 seconds - This is one in a **series**, of "Vodcasts" produced by the **IAEA**, that discuss the basics of the **safe transport**, of **radioactive material**.

#4 Transport of Radioactive Material by Road - #4 Transport of Radioactive Material by Road by IAEA

Nuclear Safety and Security 8,164 views 7 years ago 5 minutes, 11 seconds - This is one in a **series**, of "Vodcasts" produced by the **IAEA**, that discuss the basics of the **safe transport**, of **radioactive material**.

The Safe and Secure Transport of Radioactive Material (FRENCH) - The Safe and Secure Transport of Radioactive Material (FRENCH) by IAEA Nuclear Safety and Security 712 views 7 years ago 35 minutes -

Environ 20 million de colis contenant des mati\u00e8res radioactives sont transport\u00e9s annuellement dans le monde soit par air, mer, ...

Transport of Radioactive Material - Transport of Radioactive Material by The Society for Radiological Protection 1,074 views 1 year ago 52 minutes - Presented by Paul Butler, Nicola Jaynes and Chris Jones.

Introduction

Main Participants

Transport Packaging

Consigners

Vehicle placards

Orange plates

Radiation risk assessment

Radiation emergency

Common issues

Emergency planning

Step 1 Radiation risk assessment

Step 2 Radiation risk assessment

Step 3 Rehearsal

Step 4 Implementation

When to Appoint

Annual Report

Summary

Transport of Radioactive Materials: The Value of Regional Partnerships - Transport of Radioactive Materials: The Value of Regional Partnerships by IAEA Nuclear Safety and Security 692 views 7 years ago 3 minutes, 38 seconds - The **IAEA**, has been actively involved in **transport**, regulation since 1961. The **regulations**, developed by the **IAEA**, provide a uniform ...

Introduction

Purpose

Whats Next

How to Join

Tracing radioactive material with nuclear forensics - Tracing radioactive material with nuclear forensics by IAEA video 4,459 views 4 years ago 2 minutes, 33 seconds - When any suspected **radioactive material**, is found, for example at a border crossing or in a police raid, it is time to call in the ...

When any suspected radioactive material is discovered

it is time to call in the nuclear forensic experts.

The priority is to determine what the seized material is and what threat it poses.

The scientists analyse the samples using a variety of techniques

To answer these questions the sample can be compared to other radioactive material

Ensuring Security of Radioactive Materials - Ensuring Security of Radioactive Materials by IAEA video 1,058 views 5 years ago 1 minute, 28 seconds - Nuclear, security experts from more than 100 countries are in

Vienna participating in the **IAEA**, conference on Security of ...

Radioactive sources can be used for many peaceful purposes

special equipment needed to detect radioactive sources.

The IAEA helps countries to improve security for radioactive material and facilities

international cooperation and technical assistance.

Radioactive material transport: the need for National Focal Points - Radioactive material transport: the need for National Focal Points by World Nuclear Association 846 views 2 years ago 7 minutes, 26 seconds -

COVID-19 has exposed the vulnerability of supply chains for **radioactive materials**., This film explains how National Focal Points ...

Webinar: Transportation of radioactive waste in Canada - Webinar: Transportation of radioactive waste in Canada by Canadian Nuclear Safety Commission - CNSC 419 views 1 year ago 34 minutes - This webinar provides a general overview of the **regulatory requirements**, and oversight of the **transportation**, of **radioactive**, waste ...

Messages

Webinar Series

C and Transport Canada (1)

aging Risk to Ensure Safety

ice of Non-Compliance mple

lication to NSDF and ISD ect

Safety Precautions with Radioactive Material - IGCSE Physics - Safety Precautions with Radioactive

Material - IGCSE Physics by Chris Gozzard 8,840 views 8 years ago 49 seconds - This video covers how to **safely**, handle **radioactive**, sources.

Avoid exposure and contamination!!!

Storage of radioactive materials

Use tongs... and gloves

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