



*Use of Radiation Portal Monitors and
Transport Regulations in Canada*

PATRAM 2010



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Use of Radiation Portal Monitors



- Metal recycling facilities
- Waste transfer stations
- Landfill sites

Response to Alarms



- CNSC is in the process of reviewing overall strategy for dealing with the discovery of orphan sources
- Shipment denied access to facility and must return load to point of origin
- Shipment moved to another location where it can be safely isolated and material identified

Current Regulations



- CNSC PTNS Regulations do not contain provisions for moving unidentified loads of radioactive material
- In many cases, material is exempted from regulatory control and not subjected to regulations, but that is not known until identified

CNSC Proposal



- New exemptions to be proposed in the PTNS Regulations
- Exemption for short lived medical isotopes I-131, TI-201, Cr-51, Tc-99m, Ga-67 and In-111
- Less than $5\mu\text{Sv/h}$ movement allowed
- Between 5 and $25\mu\text{Sv/h}$, movement allowed following notification to CNSC
- Between 25 and $500\mu\text{Sv/h}$ movement requires approval by CNSC (case by case); not allowed for $500\mu\text{Sv/h}$

Conclusion



- Work on developing this proposal
- Will seek comments from industry and members of the public

Questions - Comments



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