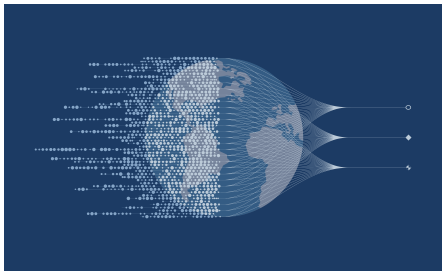

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sampling Concepts of Operations for noble gases

This presentation discusses the development of Concepts of Operations for noble gas sampling from tunnel facilities. It will explore the basic physics of gas flow in tunnels, providing a foundational understanding of how gases move and accumulate in such environments. We will then present examples from sampling conducted at the Nevada National Security Site, showcasing practical applications and insights gained from these operations. A case study based on the on-site inspection build-up exercise 24 scenario will illustrate how these Concepts of Operations may have been implemented in practice. These case studies highlight the effectiveness and challenges of implementing Concepts of Operations in real world scenarios.

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