



International Occupational Hygiene Association

Webinar:

Rare Earth Element Mining - Lessons Learned in Occupational Hygiene

Date/Time: July 16, 2024, 13:00-14:30 (UK Time)/8:00-9:30 (Eastern Daylight Time)

Fees: Complimentary to all members of IOHA Associations; 80£ for industry-sponsored and for-profit organization participants

Managing occupational exposures to hazards associated with rare earth element (REE) mining and processing will require increased attention due to the growing global market associated with the green energy transition and technological advances. This webinar provides practical information on how to conduct baseline assessments in REE mining. The webinar is focused on the two unique hazards in REE mining: ionizing radiation from the co-occurrence of uranium and thorium in REE ore, and the REE themselves. Novel approaches are required due to the outdated guidance and legislative limits for ionizing radiation for non-uranium mining industries, and the lack of research and occupational exposure limits for REEs.

Webinar Learning Outcomes:

- Design an exposure assessment strategy for REEs and discuss associated assumptions and limitations.
- Be familiar with the available health research associated with the 17 elements collectively known as “rare earth elements” and have knowledge of the lack of published occupational exposure limits for REEs.
- Outline an exposure assessment strategy for ionizing radiation exposure that includes the assessment of radon and thoron progeny, external gamma radiation, and long-lived radioactive dust.
- Be familiar with appropriate standards for the assessment and control of ionizing radiation applicable to the REE mining industry, including those published by Health Canada, the International Atomic Energy Agency and ANSI Standard N13.8 (currently under revision).

Courtney Gendron, MPH, CIH: Lead EHS Consultant, WSP Canada



Courtney Gendron is a Certified Industrial Hygienist, based on Sudbury, Canada. She has over 10 years of experience within the disciplines of EHS and community health, focusing on preventing and managing occupational hygiene hazards within the mining industry globally. She has provided occupational hygiene services to rare earth element mining projects and operations internationally and been invited to speak on the topic at a variety of different conferences in recent years. Courtney is currently the vice chair of the American Industrial Hygiene Association’s Mining Working Group.

[Webinar Registration Link](#)

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Webinar Payment QR Code

