

# SESSIONS

DAY 1 - 09/12/2020

## NORM & Natural Radiation Management Conference North America

9-10 December 2020

Virtual event

Live-streamed (CST Time Zone) & Available On-Demand Afterwards

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### Registration and coffee

09:30 - 10:00

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### Chair's opening address

10:00 - 10:05

### Participants

**Rick Jacobi** - Owner and Principal Consultant, Jacobi Consulting

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### Update on current international and federal efforts on NORM regulation and guidance and what it means for the NORM and TENORM industry?

10:05 - 10:25

Main Agenda

### Participants

**Philip Egidi** - Environmental Scientist, Environment Protection Agency

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### Keynote Address: Update on new policies and regulations for safe management and disposal of NORM in Texas

10:25 - 10:45

Main Agenda

### Participants

**Leslie Savage** - Chief Geologist for the Oil and Gas Division, Railroad Commission of Texas

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### TENORM disposal options in the Baaken region and ensuring safety regulations and standards

On demand

Main Agenda

- Disposal options and challenges when transporting from one region to the other
- Working with the industry to ensure safe practices- what measures are being taken?
- Issue with tank water and ground water contamination with recent weather conditions – what measure are being out in place?

### Participants

**Dale P. Patrick** - Manager, Radioactive Materials, Asbestos, and Indoor Air Quality, North Dakota Department of Health

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### Update on Montana's proposed regulation of industrially produced radioactive material

11:05 - 11:25

Main Agenda

- Progress on harmonization of standards with other states
- Experience with public and industrial processes
- Learnings with some of the upcoming challenges in the last year
- Insight on future regulations

### Participants

**Rick Thompson** - Section Supervisor, Montana Department of Environmental

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### Michigan: Assessing safe disposal options for NORM and TENORM

On demand

Main Agenda

Disposal guidelines and the rules that guide the oil and gas industry

### Participants

**Marcus Quinlan** - Radiation Safety Officer,, Radioactive Materials Unit, Michigan Department of Environment, Great Lakes, and Energy

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### REGULATORY ROUNDUP : Addressing the regulatory challenges and gaps

11:45 - 12:30

Main Agenda

- Progress and perspectives on the harmonization of state regulations for NORM and TENORM
- Balancing the dynamics between consistency and state-specific requirements: what is the best approach in terms of the benefits to industry, safety and the environment?
- What progress has the CRCPD made in harmonizing rules and definitions between the states?
- What are the future initiatives in the pipeline?

### Participants

**Moderator: Rick Jacobi** - Owner and Principal Consultant, Jacobi Consulting

**Philip Egidi** - Environmental Scientist, Environment Protection Agency

**Dale P. Patrick** - Manager, Radioactive Materials, Asbestos, and Indoor Air Quality, North Dakota Department of Health

**Ruth E. McBurney** - Executive Director, Conference of Radiation Control Program Directors

**Rick Thompson** - Section Supervisor, Montana Department of Environmental

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### Networking Lunch

12:30 - 13:00

Main Agenda

Take 60 mins to stretch your legs, grab a coffee or network with fellow attendees through the virtual platform!

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### End user norm challenges and concerns

13:00 - 13:20

Main Agenda

- Best approaches to transporting NORM and TENORM
- Public perception and understanding of norm and radiation
- Guidelines vs regulation from a customer perspective

### Participants

**Philip G. Simpkin** - Radiation Safety Advisor, Baker Hughes Oilfield Operations LLC

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### OILFIELD OPERATORS INDUSTRY PANEL: What are the current challenges on NORM issues?

13:20 - 13:50

Main Agenda

- Disposing of NORM waste
- How do operators manage their NORM waste?
- How are requirements different from state to state?

### Participants

**Chuck Greer** - President, CRG Oilfield Abandonment LLC

**Janelle Branch Lewis** - Environmental Engineer, Chevron

**Brian Epperson** - Senior Manager, Regulatory, Hess Corporation

**Philip G. Simpkin** - Radiation Safety Advisor, Baker Hughes Oilfield Operations LLC

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## Expert Presentation : Overview of how an upstream oil and gas company manages NORM across several operating areas

13:50 - 14:15

Main Agenda

- Achieving efficiency and cost reduction measures
- Streamlining NORM and TENORM management
- Ensuring you use the most efficient equipment
- Overcoming the challenges of finding the right personnel who can do the job in line with regulations
- Options for keeping down the costs involved in interstate transportation of NORM

### Participants

**Dana Drury** - Senior Environmental Representative, Chesapeake Energy

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## “Not in My Backyard” - Navigating the approval process for a TENORM facility

14:15 - 14:35

Main Agenda

### Participants

**Kurt Rhea** - President & CEO, Radiation Pros, LLC and Secure Energy

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## Liability & litigation that has and will shape the NORM/TENORM landscape

14:35 - 14:55

Main Agenda

- NORM lawsuits
- Liability – harm prevention
- Litigation and regulation influence

### Participants

**Mel B. Hebert** - Founder, A-Bear Consult LLC

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## Joint Live Q&A with the speakers

14:55 - 15:15

Main Agenda

### Participants

**Kurt Rhea** - President & CEO, Radiation Pros, LLC and Secure Energy

**Mel B. Hebert** - Founder, A-Bear Consult LLC

**Moderated By: Rick Jacobi** - Owner and Principal Consultant, Jacobi Consulting

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## Chairman's summary and close of day one

15:15 - 15:25

Main Agenda

### Participants

**Rick Jacobi** - Owner and Principal Consultant, Jacobi Consulting

# SCHEDULE

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| 11:00 | 11:05 - Update on Montana's proposed regulation of industrially produced radioactive material<br>On demand - Michigan: Assessing safe disposal options for NORM and TENORM<br>11:45 - REGULATORY ROUNDUP : Addressing the regulatory challenges and gaps  |
| 12:00 | 12:30 - Networking Lunch  |
| 13:00 | 13:00 - End user norm challenges and concerns<br>13:20 - OILFIELD OPERATORS INDUSTRY PANEL: What are the current challenges on NORM issues?<br>13:50 - Expert Presentation : Overview of how an upstream oil and gas company manages NORM across several operating areas  |
| 14:00 | 14:15 - "Not in My Backyard" - Navigating the approval process for a TENORM facility<br>14:35 - Liability & litigation that has and will shape the NORM/TENORM landscape<br>14:55 - Joint Live Q&A with the speakers  |
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# SESSIONS

DAY 2 - 10/12/2020

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## Morning Coffee

09:30 - 10:00

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## Chair's opening remarks

10:00 - 10:05

Main Agenda

## Participants

**Rick Jacobi** - Owner and Principal Consultant, Jacobi Consulting

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## Overcoming the challenges of transporting NORM waste in states with norm/TENORM regulations

10:05 - 10:25

Main Agenda

- Regulatory change: are other states moving towards a licencing model for the transportation of NORM and TENORM?
- Being prepared for a possible accident with preparedness plans, contractors' agreements etc.
- Managing the risk to third party contractors: shipper and carrier liabilities

## Participants

**Geri Blanchard** - President, NORM Solutions

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## EXPERT PRESENTATION AND PRACTICAL TIPS FROM A RADIO-ANALYTICAL LAB : Characterizing and measuring NORM and assessing its impact on disposal options

10:25 - 10:45

Main Agenda

- Basic factors for classifying waste: physical form, radiological concentration and geographical location
- Lessons learned: do's and don'ts for dealing with analytical labs
- Sample preparation, transportation and shipping
- Preservation, chain of custody
- Qualitative and quantitative analyses and interpretation of results

## Participants

**Bob Seyer** - Program Manager, GEL Laboratories

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## Comparing GoldSim and RESRAD as tools for helping to evaluate sites for NORM disposal

10:45 - 11:05

Main Agenda

## Participants

**Katie Catlett** - Environmental Modeler, Neptune and Company, Inc.

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## Morning coffee and networking

11:05 - 11:35

Main Agenda

Take 20 mins to stretch your legs, grab a coffee or network with fellow attendees through the virtual platform!

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## Radon and Lung Cancer

11:35 - 11:55

Main Agenda

- USEPA has long claimed residential radon causes 21,000 lung cancer deaths per year, absent any scientific support
- USEPA and others ignore the abundance of relevant scientific literature regarding radon and health effects
- Relevant "radon as a public health threat" data are summarized

## Participants

**Alan Fellman** - Senior Health Physicist, Manager, Commercial Consulting, NV5 Dade Moeller

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## Drinking water treatment plant radiological assessment projects

11:55 - 12:15

Main Agenda

Summary of results and implications of comprehensive radiological exposure rate, radon and related characterization surveys performed in a number of drinking water treatment plants in Colorado

## Participants

**Steven H Brown** - Senior Advisor, Radiation Pros, LLC

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## RA226 Field Sample Analysis Utilizing Single Channel Analyzer

12:15 - 12:35

Main Agenda

This presentation will discuss the basic principles of how this technique originally developed by Max Scott with LSU works and how the technique was improved for in-field sample analysis for NORM site assessment and remediation. Included in paper will be:

- How the technique works, and equipment required
- Comparison for Field versus Lab Analysis in real project examples
- Acceptance of technique by regulatory agencies
- Impact using field analysis can have on NORM remediation efficiency and cost

## Participants

**Chuck Greer** - President, CRG Oilfield Abandonment LLC

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## Questions from the floor , Chairman's summary and close of conference

12:35 - 12:55

Main Agenda

## Participants

**Rick Jacobi** - Owner and Principal Consultant, Jacobi Consulting

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| 11:00 | 11:05 - Morning coffee and networking<br>11:35 - Radon and Lung Cancer<br>11:55 - Drinking water treatment plant radiological assessment projects  |
| 12:00 | 12:15 - RA226 Field Sample Analysis Utilizing Single Channel Analyzer<br>12:35 - Questions from the floor , Chairman's summary and close of conference   |