

NIOSH
and what it can do for you

SAFETY & HEALTH
LEARNING ALLIANCE



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NIOSH *and what it can do for you*

SAFETY & HEALTH **LEARNING ALLIANCE**

Featuring Guest Speakers

Steve Wurzelbacher
*Director of the Center for Workers'
Compensation Studies
at NIOSH*

Ted Scharf
*Research Psychologist
at NIOSH*

Amanda Harney
*Health Communication Specialist
for NIOSH*



Event Logistics

- Facilitator introduction
 - Mike Lipka, Knowledge Management Officer
NASA Safety Center
- To ask a question:
 - Press *1 on your phone for the operator
 - Click the hand icon near the top of your screen and click “Raise Hand”
 - Comments posted in the chat box will appear to everyone in attendance
- The presentation will last approximately an hour and a half
- To get a closer look at the slides, select “Full Screen”
- Turn off the speakers on your computer
- Please do not put your telephone on hold



Agenda

- Goals of the Safety and Health Learning Alliance
- Guidelines for sharing knowledge
- Panel speakers for today
- Discussion and key points
- Wrap-up and next event

Goals of the SHLA: the Four C's

- **COLLABORATE** Create a forum for collaboration
 - Repeatable process with trusted advisors
- **CONCENTRATE** Accelerate learning
 - “Quick hits” on timely, topical, and new approaches
- **CONTEXT** Learn from your peers—what they do and how they do it
 - Knowledge + Experience = Wisdom
- **CONNECT** Establish networking opportunities
 - Extend beyond events for personal and professional development

Learn more at <https://nsc.nasa.gov/SHLA>

Guidelines for Sharing Knowledge

- Do not include Sensitive but Unclassified, Classified, or Secret information
- Maintain scope of government, defense, and professional organizations
- Use the SHLA Web site, hosted by the NASA Safety Center, to
 - Communicate upcoming events
 - Solicit participation for events
 - Store presentations, videos, and event summaries

Learn more at <https://nsc.nasa.gov/SHLA>

Today's Panel



Amanda Harney

Health Communication Specialist
NIOSH



Steve Wurzelbacher

Director, Center for Workers' Compensation Studies
NIOSH



Ted Scharf

Research Psychologist
NIOSH

Today's Agenda

- NIOSH- Who we are and what we do
 - Overview of NIOSH
 - Center for Workers' Compensation Studies
 - Safety Climate and Safety Culture at NIOSH
- NIOSH and NASA success stories
- Open discussion
 - Connecting and collaborating with NIOSH
 - NIOSH and other Agency success stories

NIOSH- Who we are and What We Do

- NIOSH Presentation

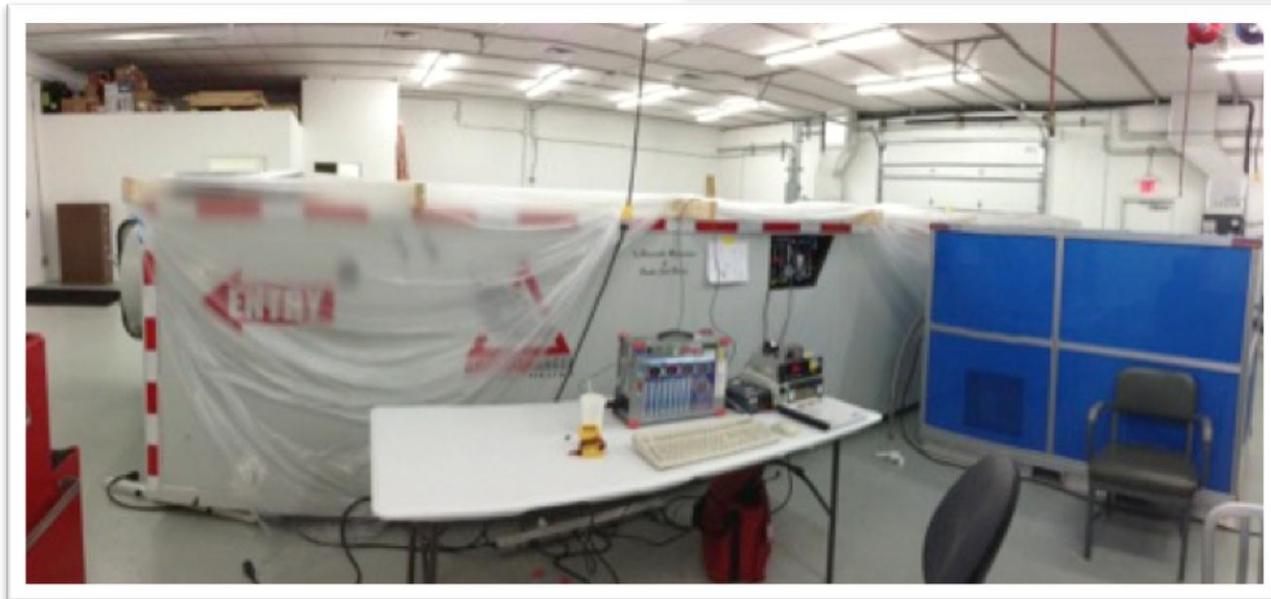
NIOSH and NASA Success Stories- Research

Cryogenic Life Support Technology Development Program

- Develop Cryogenic Refuge Alternative Supply System prototype using NASA developed cryocoolers for long term storage of liquid air supply for mine rescue and egress.
 - Develop Cryogenic Breathing Apparatus (CryoBA), a liquid-air supplied respirator for mine rescue with 2-hour air supply.
 - Develop Advanced CryoBA that uses cryocooler tech that maintains the CryoBA pack in a standby, ready-to-go configuration
 - Develop Liquid Air Storage and fill station capabilities for mining
 - Conceptualize/develop liquid oxygen rebreather for mine rescue
- NIOSH Contact: Rohan Fernando, Office of Mine Safety and Health Research, Division of Mining Science and Technology

NIOSH and NASA Success Stories- Research

***Cryogenic Life
Support Technology
Development
Program***



NIOSH and NASA Success Stories- Collaboration

Respiratory Certification Criteria for Supplied Air Suits

- NASA supports development of NIOSH certification criteria for Air-fed Ensembles (AFE)
 - NASA uses a unique full body encapsulating respirator, a type of AFE, for propellant handling that cannot be certified (currently no NIOSH certification criteria exists) as required by OSHA
 - NASA developed robust self-certification criteria, shared the criteria with NIOSH, presented at the NIOSH December 2008 public meeting
 - NASA, as a key stakeholder, continues to participate/support NIOSH concept and rulemaking activities, providing relevant historical data
 - NIOSH Contact: Colleen Miller - National Personal Protective Technology Laboratory, Technology Evaluation Branch

NIOSH and NASA Success Stories- Collaboration



**Respiratory
Certification Criteria
for Supplied Air Suits**

NIOSH and NASA Success Stories- HHE

Health Hazard Evaluation at Glenn Research Center

- Ongoing employee and union concerns about a possible higher rate of cancer among current and former employees of Buildings 500 & 501.
 - **Approach**
 - Looked at asbestos reports and environmental samplings for 14 years
 - Reviewed surveys and confidential diagnosis from current and former employees
 - Surveyed Buildings 500 and 501 to evaluate indoor environmental quality (IEQ) and the ventilation systems
 - **Findings**
 - The different types of cancers do not suggest a common exposure among employees diagnosed with cancer
 - **Recommendations**
 - Encourage employees to learn about known cancer risk factors, measures to reduce their risk for preventable cancers, and availability of cancer screening programs for certain types of cancer
 - Improve maintenance of fan coil units

<http://www.cdc.gov/niosh/hhe/reports/pdfs/2008-0166-3079.pdf>

Open Discussion

- Connecting and collaborating with NIOSH
- NIOSH and other Agency success stories

Key Points from NIOSH Panelists

The most important thing to remember about NIOSH is....

Wrap Up and Next Event

- Visit the SHLA Web site at nsc.nasa.gov/SHLA
 - Video of this presentation, slides, event summary
- Invite colleagues and other organizations to join us for our next event entitled “**Risk Assessment Process**”
 - March 20, 2014 at 1 p.m. EDT
 - Join the panel by contacting Mike Lipka at Michael.J.Lipka@nasa.gov or 440.962.3172
- [SHLA Event Survey](#)— we’d like to hear your feedback

NASA employees will receive credit in SATERN for this event