



Hydrogen Safety Interest Group (H2SIG) Brief

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Brief – Hydrogen Safety Interest Group

1. Hydrogen Safety Center Update

- Update from Center for Hydrogen Safety, PNNL
- Hydrogen Incidents and Accidents Database (HIAD)

2. DOE-STD-1129-2015 Revision Planning

3. Changes with MACCS technical leadership



1. Hydrogen Safety Centers and Data

- Update from Nick Barilo, Director, Center for Hydrogen Safety (nickb@aiche.org)
 - Virtual Webinars, Training/Courses and Certification
 - Credential and H2 Incident Data WGs
 - Reference attached presentation (Barilo)
- Early stages of review with HIAD
 - Web-based information tool on hydrogen safety-related data
 - European Commission JRC
 - Information on ~600 events collected by 2020
 - Reference attached presentation (Moretti)



2. DOE-STD-1129-2015 Update

- Brief Report from Bill Weaver, Tritium Focus Group
 - Five-year revision planned later this year
 - Will provide approaches for Initial Hazard Categorization and Final Hazard Categorization
 - Potentially revised TQs for ^3H :

- Lower TQs attributed to tritiated water vapor as no longer being the bounding inhalation exposure case.
 - Category 2: $1\mu\text{m}$ particulate (“Slow” Lung Clearance Type)
 - Category 3: Organically Bound Tritium



3. Change with MACCS Software Leadership

- Nate Bixler, Sandia Technical Lead on MACCS and MACCS2, retired in early February
- New team lead is Jennifer Leute, supported by Doug Osborn and John Fulton

