UNHCEMS®

SIMPLIFIED CHEMICAL INVENTORY MANAGEMENT AND REPORTING

OVERVIEW

UNHCEMS® is an online barcode-based system to record and manage information about the quantity, location, and properties of chemical stock, biological agents, radioactive materials, and hazardous waste across an entire campus. UNHCEMS automates record-keeping and waste removal requests, allows all labs on site to share materials and utilize surplus inventory, and can broadcast messages. Simultaneously reduce your costs while enhancing EPA compliance, DHS reporting, lab safety, and EH&S information control through better management of physical inventory, waste disposal, and staff time.

KEY FEATURES

Inventory Tracking:
- Search by chemical name, CAS number, product number, manufacturer, container, location, department, owner, and more.
- Quickly update inventory with a mobile device and HandyCEMS™ software.
- Reduce hazardous waste disposal costs by designating any item in your inventory as "surplus" to offer usable, but unwanted, chemicals to other users on site.

Documentation Library: Access a regularly-updated Material Safety Data Sheet (MSDS/SDS) library of more than 28,000 documents.

Door Sign Creation: Print door signs with symbols as required by the National Fire Protection Association (NFPA).

Hazardous Waste Tracking: Track hazardous waste with removal request forms, pickup reminders, and waste history reports.

Emergency Response: Download all data so emergency personnel can access UNHCEMS offline and provide periodic reports to emergency service providers.

Radioactive Usage Log

Built-in Comprehensive Reporting

Create and print NFPA door signs

Track radioactive material inventories, waste disposal, and radioactive decay

For more information, contact UNHInnovation:
unh.innovation@unh.edu | 603-862-4125

UNIVERSITY of New Hampshire

UNHCEMS®

SIMPLIFIED CHEMICAL INVENTORY MANAGEMENT AND REPORTING

REPORTS AND MODULES

Emergency Response Reports - View real time total quantities of flammable liquids, oxidizers, water reactants, and more.

Custom Compliance Reports - Prompt users to create reports at scheduled intervals with defined alert conditions that automatically notify compliance officers.

Administrative Module - Create unlimited users with assigned roles, generate custom reports with SQL, and broadcast messages to UNHCEMS users.

Radioactive Material Module - Track total radioactivity by site and user, view historical radioactivity reports, assign site/user limits, store permits online, and manage disposals, decay, and storage drums.

Biological Agents Module - Track infectious materials, find assigned appropriate biosafety levels, review handling instructions, and view recommended personal protective equipment for each agent.

Homeland Security Reporting Module - Simplify completion of the 111-page DHS questionnaire by automatically tabulating data, converting liquid units into pounds, and indicating to safety officials if the DHS quantity threshold has been met.

Track hazardous waste with removal request forms, pickup reminders, and waste history reports

HISTORY

UNHCEMS was developed in the fall of 2001 by software engineers at the UNH Research Computing & Instrumentation Center in conjunction with the campus EH&S department and fire department. UNHCEMS has been endorsed by the federal Environmental Protection Agency as a "Best Management Practice". UNHCEMS is currently licensed by almost 20 sites across the US.

HOSTED LICENSE OPTION
- Easy set up
- System security updates & UNHCEMS upgrades are done by vendor
- All data is backed up nightly
- Relies on internet connection to vendor
- Includes 40 hours of technical support*

SELF-HOSTED LICENSE OPTION
- Source code included with rights to create site specific modifications
- Complete control over UNHCEMS server and data
- Requires server administration expertise
- Includes one hour of technical support*

Additional support is available for purchase

For more information, contact UNHInnovation:
unh.innovation@unh.edu | 603-862-4125

University of New Hampshire