

**Project: Enhance Huntsman On-Site Wastewater Treatment Training and Demonstration Site
2008**

HERC Theme: Biodegradation

Collaborators: State of Utah Department of Environmental Quality (UDEQ), State of Utah Local Health Departments (twelve)

Supported: UDEQ personnel, 12 Local Health Department managers, individual home owners

Results/Products/Outcomes: Additional demonstration units for training and certification.



The Huntsman On-Site Wastewater Treatment Training and Demonstration Site

HERC has provided support for the Site since 2000 and operates as the core facility for the Utah Onsite Wastewater Treatment Training Program for the state of Utah and the surrounding states. Information on the Site and the Program is posted at: <https://uwrl.usu.edu/research/owt>. The Program and Site represent a collaboration that includes HERC, the Utah Department of Environmental Quality, and the 12 Local Health Departments of the state of Utah.



Installation of new piping and water distribution systems for alternative on-site systems at the Huntsman On-Site Wastewater Treatment Training and Demonstration Site on the USU Campus

Dissemination of Results: Attendees receive training and certification from the State of Utah for designing, installing, modifying, and monitoring on-site wastewater treatment systems for individuals and communities. The demonstrate site was utilized for certification workshops, demonstrations for county commissioners and elected officials, university classes, and Utah Onsite Wastewater Association meetings. The Huntsman Training and Demonstration Site was also used to assist wastewater professionals with the Idaho public health departments.

Publication of Training Manuals. Design, Operation, and Maintenance of Alternative Onsite Wastewater Treatment Systems, Workshop Manual, 2008. Utah On-Site Wastewater Treatment Training Center, Utah Water Research Laboratory, Utah State University, Logan, Utah. Judith L. Sims, Brian Cowan, and Richard Jex

Presentations: Partnerships and Training to Advance Decentralized System Management: The Utah Certification Program 2008. *6th Biennial Southwest On-Site Wastewater Conference*, Laughlin, Nevada. January 30-31. Judith L. Sims

Training to Advance Decentralized System Management: The Utah Certification Program. *Installer Academy*, 2008. National Onsite Wastewater Recycling Association, Las Vegas, Nevada. December 8-10. Judith .L. Sims

2009

Project: Enhancement of On-Site Wastewater Treatment Field Site

HERC Theme: Biodegradation

Collaborators: State of Utah Division of Water Quality, Utah Water Research Laboratory, Utah Local Health Departments (12), U.S. Environmental Protection Agency grant

Supported: Utah Department of Environmental Quality professionals, Local Health Departments professionals, individuals within the Utah community of On-Site waste treatment owners, private businesses related to on-site wastewater treatment

Results/Products/Outcomes:



Installation of new piping and water distribution systems for alternative on-site systems at the Huntsman On-Site Wastewater Treatment Training and Demonstration Site .



Installation of alternative on-site systems for different soil types.

Dissemination of Results:

Septic Systems in Castle Valley: Potential Impacts upon Ground Water and Possible Management and Mitigation Strategies, Final Report, 319 Non-Point Source Pollution Program, 2009. Utah Department of Environmental Quality, Salt Lake City, and U.S. Environmental Protection Agency, Denver, Colorado. Judith L. Sims and Joshua Hirschi

Enhancement of On-Site Wastewater Treatment Field Training Site: Installation of Gray Water, Drip Irrigation, and Fixed Film Demonstration Systems, Final Report, 319 Non-Point Source Pollution Program, 2009. Utah Department of Environmental Quality, Salt Lake City, and U.S. Environmental Protection Agency, Denver, Colorado. Judith L. Sims

Undergraduate Research: Abroad and At Home. *9th Annual Conference*, Utah On-Site Wastewater Association, University of Utah, Salt Lake City, Utah. 2009. February 11-12, A. Restad, J. Beardall, and J.L. Sims