



COMMUNITY
SCIENCE &
TECHNOLOGY
SEMINAR SERIES
@PNNL

THE PACIFIC NORTHWEST NATIONAL LABORATORY
COMMUNITY SCIENCE AND TECHNOLOGY SEMINAR
SERIES PRESENTS

Size Does Matter! Testing with Simulated Hanford Tank Waste



Philip Schonewill

How big is too big? When investigating ideas and refining design concepts, researchers often develop methods and systems at a reduced scale. For Hanford waste processes, the particularities of the situation demand a much larger size despite the increase in complexity and expense. The test system must be very large to properly capture the relevant physical or chemical processes controlling the behavior of interest. Through a series of recent case studies, learn why choosing the appropriate scale for Hanford waste process test systems is critical to obtaining meaningful results.

About the Spaker: Dr. Philip Schonewill is a senior chemical engineer at PNNL and leads a team that conducts testing and development of nuclear treatment technologies. Dr. Schonewill's research has focused on an array of topics in fluid mechanics, mixing, transport phenomena, physical and chemical characterization of materials, and chemical engineering.

January 12, 2021

5:00 pm

[Zoom](#)

About the Community Science and Technology Seminar Series

The Pacific Northwest National Laboratory's *Community Science and Technology Seminar Series* was launched to help the general public better understand and explore how science transforms our world. For more information about this seminar and upcoming seminars, call (509) 375-6871.

PNNL-SA-158432

