

NATIONAL RISK ASSESSMENT PARTNERSHIP (NRAP)
NETL Team Technical Coordinator: Grant Bromhal

Name	Title	Affiliation
Boyle, Edward J	Research Chemist	NETL
Bromhal, Grant S	General Engineer	NETL
Clark III, John Adam	Materials Research Eng	NETL
Dilmore, Robert M	General Engineer	NETL
Gerdemann, Stephen	Chemical Engineer	NETL
Goodman Hanson, A.	Physical Scientist	NETL
Hakala, Jacqueline A	Physical Scientist	NETL
Hammack, Richard	Physical Scientist	NETL
Hedges, Sheila W	Research Chemist	NETL
Higgins, Glynn	Physical Science Tech	NETL
Huerta, Nicolas John	ST (Physical Science)	NETL
Irdi, Gino A	Physical Scientist	NETL
Karash, Andrew W	General Engineer	NETL
Kutchko, Barbara G	Physical Scientist	NETL
Lacher Jr, Clement J	Engineering Tech	NETL
Lopano, Christina	Physical Scientist	NETL
Maurice, David R	Materials Research Eng	NETL
McIntyre, Dustin L	Mechanical Eng	NETL
McLendon, Thomas	General Engineer	NETL
Mroz, Thomas H	Geologist	NETL
Romanov, Vyacheslav	Physical Scientist	NETL
Rosenbaum, Elis J	General Engineer	NETL
Seol, Yongkoo	Physical Scientist	NETL
Smith, David K	Physical Science Tech	NETL
Stanko, Dennis C	Physical Science Tech	NETL
Strazisar, Brian R	Physical Scientist	NETL
Verba, Circe A	ST (Physical Scientist)	NETL
Warzinski, Robert P	Research Chemist	NETL
Webster, Daniel J	Engineering Tech	NETL
Wells, Arthur W	Research Chemist	NETL
Wells, Jimmy D	Engineering Tech	NETL
Wells, Terrance F	Engineering Tech	NETL
Ilconich, Jeff	Project Lead	URS
Crandall, Dustin	Project Lead	URS
Lindner, Ernest	Project Lead	URS
King, Seth	Project Lead	URS
Sams, Neal	Project Lead	URS

Name	Project Role	Affiliation	University Project Title
Dzombak, David A	PI	CMU	Acid Gas Interactions with Seal Materials under Geologic Sequestration Conditions
Nakles, David V	CO-PI	CMU	Apply An Integrated Assessment Model and Quantify Uncertainties
Small, Mitchell J	CO-PI	CMU	
Siriwardane, Hema J	PI	WVU	Develop Second Generation ROMs for Release and Transport through Seals
Mohaghegh, Shahab	PI	WVU	Develop Second Generation ROMs for Reservoir Behavior
Mohaghegh, Shahab	PI	WVU	Develop Third Generation ROMs for Reservoir Behavior
Siriwardane, Hema J	PI	WVU	Develop Third Generation ROMs for Release and Transport through Seals
Li, Li	PI	PSU	Development of a Reactive Transport Model for the Evolution of Fracture Properties under Conditions Relevant to CO2 Sequestration
Brunet, Jean-Patrick	Researcher	PSU	
Karpyn, Zuleima T	PI	PSU	Experimental Investigation of Conditions Affecting Wellbore Integrity due to Chemical Reaction Using X-ray microCT Imaging
Cao, Peilin	Grad Student	PSU	
Karamalidis, Athanasios	PI	CMU	Geochemical Effects Inter-lab Round Robin
Siriwardane, Hema J	PI	WVU	Geomechanical Response Due to a Fault Activation During Fluid Injection
Gondle, Rajkumar	Researcher	WVU	
Nambu, Hari	Grad Student	WVU	
Nakles, David V	CO-PI	CMU	Incorporate Third Generation, Reduced-Order Models into an Integrated Assessment Model
Small, Mitchell J	CO-PI	CMU	
Siriwardane, Hema J	PI	WVU	Influence of geochemical changes on Geomechanical response during CO2 Sequestration
Gondle, Rajkumar	Researcher	WVU	
Hulcher, Carter	Grad Student	WVU	
Varre, Sai Bharath	Grad Student	WVU	
Nakles, David V	CO-PI	CMU	Integrate Second Generation Reduced Order Models Into An Integrated Assessment Model
Small, Mitchell J	CO-PI	CMU	

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Name	Project Role	Affiliation	University Project Title
Richard, Thomas	PI	PSU	National Risk Assessment Partnership (NRAP) Deputy Technical Director
Small, Mitchell J Karamalidis, Athanasios Wang, Zan	PI CO-PI Grad Student	CMU CMU CMU	Performance Evaluation and Integration of Multiple Deep Subsurface CO2 Leak Detection Monitoring Technologies
Sirwardane, Hema J Nambu, Hari Varre, Sai Bharath	PI CO-PI Grad Student	WVU WVU WVU	Prediction of seal failures during and after CO2 Injection
Nakles, David V Small, Mitchell J Azzolina, Nicholas	PI CO-PI Grad Student	CMU CMU CMU	Risk assessment in CO2 geologic sequestration
Burgos, William D	PI	PSU	Utilize Observations from Analog Sites and Case Studies to Confirm Key Aspects of System Behavior and/or Methodology