



**SHEPHERD  
TECHNICAL  
SERVICES**

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Dr. Michael Shepherd operates Shepherd Technical Services under a dba registered with Travis County, Texas. In addition to Dr. Shepherd, STS provides the expertise of Ms. Mei Beth Shepherd. Additional assessors on the STS team are Mr. Michael Hintz, Dr. Thomas W. McAninch, and Ms. Mary Wehbe. References to "Shepherd Technical Services" or "STS" are intended to include all of these individuals who can be utilized separately or in teams to meet each client's needs.

The STS team has successfully offered and provided assessment services for several NELAP state accreditation bodies ("ABs") including the Florida Department of Health (FL-DOH), the Texas Commission on Environmental Quality (TCEQ), The Minnesota Department of Health (MN-DOH), and the Kansas Department of Health and Environment (KDHE). Further, work performed for TCEQ under PO 582-10-99544 earned STS an "Exceptional Vendor Performance Report" from the TCEQ Program Manager.

Beyond assessments for NELAP ABs, STS also provides assessment services for the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP) and ISO/IEC 17025 under the auspices of Laboratory Accreditation Bureau.

STS has performed assessments and consulting for many types of laboratories.

- Small (one and two person) environmental laboratories
- Large commercial laboratories
- Small municipal utility laboratories
- Very large municipal utility laboratories (e.g., City of Phoenix)

Our assessors maintain ongoing technical training as required by the TNI standard; we have assessors available to assess the following technologies:

- Quality Management Systems
- Microbiology (Including EPA drinking water certification)
- Chemistry - organic and inorganic (Including EPA drinking water certification)
- Radiochemistry
- Aquatic Toxicology laboratories (Whole Effluent Toxicology)
- Lubricating oil testing laboratories using ASTM methods
- Forensic laboratories
- Transformer oil testing laboratories using ASTM methods
- Stack/Emission testers
- Cryptosporidium and Giardia

In addition to services provided to laboratories and ABs for "official" NELAP assessments, STS also provides direct consulting services to laboratories to assist them in preparing for and meeting compliance programs. These consulting services include, but are not limited to, document reviews, training, and internal audits.

STS also provides third party data validation services which keep our assessors in touch with what the end user of laboratory data is experiencing.

We have included a brief introduction to each assessor below. The STS Team represents more than 50 years of combined experience in the environmental and testing laboratory industry, more than 20 years of combined experience related to accreditation processes, and more than 15 years combined experience directly related to NELAP assessments. More extensive curricula vitae for all of our assessors are available upon client request.

## STS Assessor Experience:

**Dr. Michael Shepherd** is a qualified NELAP Lead Assessor performing official assessments for the Texas Commission on Environmental Quality, Florida Department of Health, and the Minnesota Department of Health. He is also a certified Lead Assessor for the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP) and for ISO/IEC 17025. He has participated in over 100 official assessments for NELAP, DoD ELAP, and ISO/IEC 17025 accreditation.

As Technical Director for Radian's Environmental Laboratory, Dr. Shepherd was responsible for overseeing and maintaining laboratory certifications for the Radian laboratory. With more than 25 years of environmental laboratory experience, Dr. Shepherd has been and continues to be an active participant in the TNI Forum on Laboratory Accreditation and NEMC conferences. He currently serves on the TNI Field Activities Committee which is responsible for developing the accreditation standards for the TNI National Environmental Field Accreditation Program (NEFAP).

**Ms. Mei Beth Shepherd** is a qualified NELAP Lead Assessor performing official assessments for the Texas Commission on Environmental Quality, Florida Department of Health, and the Minnesota Department of Health. Ms. Shepherd also carries current certification as Lead Assessor for the DoD ELAP. She has participated in over 45 official assessments for NELAP, DoD ELAP, ISO/IEC 17025 accreditations. Ms. Shepherd previously served as customer support and software developer for the Radian SAM<sup>®</sup> Laboratory Information Management System. Hence, she brings particular expertise in laboratory information systems to the Team.

Ms. Shepherd is an active member of and participant in TNI. She currently serves on the TNI Information Technology Committee and the TNI Policy Committee.

**Mr. Michael Hintz** is a qualified NELAP Lead Assessor performing official assessments for the Texas Commission on Environmental Quality, Florida Department of Health, and the Minnesota Department of Health. Mr. Hintz also carries current certification as an assessor for organic chemistry and Microbiology EPA Drinking Water certification. He is also a certified Assessor for the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP). He has participated in over 35 official assessments for NELAP, DoD ELAP, and ISO/IEC 17025 accreditation.

**Dr. Tom McAninch** is a qualified NELAP Lead Assessor and formerly served on the TNI Board of Directors. He is also a certified assessor for the DoD ELAP. Dr. McAninch has participated in over 100 official assessments for NELAP, DoD ELAP, and ISO/IEC 17025 accreditation.

Dr. McAninch has extensive experience in the environmental laboratory business. He performs official NELAP Assessments for several governmental agencies including Florida, Kansas, Louisiana, Texas, and Illinois on a regular basis. In addition, Dr. McAninch has been involved with NELAC since 1994 including service on several NELAC and INELA committees and served on the TNI Board of Directors. Consequently he continues to be intimately involved with the laboratory accreditation standards development process.

**Ms. Mary Wehbe** is a qualified NELAP Lead Assessor and carries current certification as an assessor for microbiology, organic and inorganic chemistry (including EPA Drinking Water Certification). She is also a certified Lead Assessor for the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP) She has participated in over 15 official assessments for NELAP, DoD ELAP, and ISO/IEC 17025 accreditation.