LEAK LOCATION SERVICES, INC.

OVER 30 YEARS

Qualifications Statement – 2026

I. INTRODUCTION

Leak Location Services, Inc. (LLSI) is the world leader in geoelectric leak location testing. Our highly experienced and trained staff have the in-depth understanding of electrical leak location methods to successfully perform leak location services with the efficiency required to keep projects on time and within the cost proposed.

The founders of LLSI began the development of the geoelectric leak location method at Southwest Research Institute in 1980 and the first commercial leak location survey was performed in 1985. Leak Location Services, Inc. was formed in 1992 as a Texas corporation.

The technical staff of LLSI have a combined total of more than 92 years of commercial geomembrane leak location experience. LLSI has performed more than 4,378 leak location surveys and surveyed more than 720,027,296 square feet of survey. LLSI has successfully performed leak location surveys in 48 states, eight Canadian provinces, and 28 foreign countries.

In 2025, LLSI completed 109 geomembrane leak location surveys. The area surveyed was more than 23,139,718 square feet (531 acres). In the last three years, LLSI has surveyed more than 69,004,78 square feet (1,584 acres) of geomembrane. These surveys were performed in accordance with ASTM standards D6747, D7002, D7007, D7240, D7953, and D8265.

LLSI has developed, designed, and built the specialized equipment required to perform these services. LLSI leak location equipment, software, and procedures are custom designed and fabricated by LLSI employees to produce unequaled leak detection capabilities. The equipment and procedures have been improved and optimized through 33 years of field applications.

II. PERSONNEL QUALIFICATIONS

The personnel qualifications of Leak Location Services, Inc. are unmatched in the world. Three LLSI leak location supervisors have at least 15 years of experience and have surveyed more than three million square feet of geomembrane in the last three years. Table 1 in Section III of this document lists the leak location experience in the last three years.

LLSI holds training meetings to maximize operator proficiency and knowledge. LLSI field personnel also have received safety training for OSHA HAZWOPER, OSHA Construction Safety and Health, OSHA 30 Hour Construction Industry Outreach, MSHA work at surface mines, SafeLand USA, confined space entry, first aid, CPR and AED. In addition, LLSI subscribes to ISNetworld, PICS, PEC, Browz, and CanQual safety programs. Resumes of the LLSI personnel follow.

MATTHEW KEMNITZ

Mr. Kemnitz is the President of Leak Location Services, Inc. (LLSI). He has obtained the Engineer in Training certification, has a Bachelor of Science Degree in Mechanical Engineering from the University of Texas at Arlington, and has completed course work toward a Master's Degree in Civil Engineering. As President, Matthew Kemnitz is responsible for:

- Scheduling of projects
- Project Consulting
- Management of systems related to the delivery of LLSI's services to clients
- Ensuring business operations are efficient
- Management of payables/receivables and payroll
- Management of LLSI technicians, implementation of rewards/recognition, and coaching practices to align personnel with company goals
- Improvement of systems and equipment
- Prioritizing of company, employee, and client requirements

Mr. Kemnitz has expert knowledge of the principles and application of all leak location methods and is fluently conversant as a technical consultant to clients for potential and ongoing projects. He has been instrumental in promoting industry education of the leak location method through his technical papers and presentations at major industry events. Mr. Kemnitz has personally supervised numerous leak location surveys. Mr. Kemnitz has performed multiple ELIM (Electrical Leak Imaging and Monitoring) System data collections and surveys and is principal in updating the design of these systems.

Through his prior positions, Mr. Kemnitz developed skills in the design of large-scale civil engineering projects on a variety of scales, and was involved with various elements of site design, erosion control, grading, drainage, sewer, water, storm water and franchise utilities. His skills also include preparation of feasibility studies, obtaining permits, final engineering design and site plans, and supplying accurate projections of production costs. Additionally, he interfaced with project managers, CAD technicians, city employees, and senior staff to assess client needs and devise appropriate technical solutions to meet them. In 2025, he performed 10 geomembrane leak location surveys for a total area of 1,205,780 square feet of geomembrane (28 acres) and one ELIM Survey of 261,360 (6 acres).

PISSANU GATESUWAN

Mr. Gatesuwan is the Field Operations Director and has an Associate Degree in Computer and Electronics Engineering Technology from ITT Technical Institute. He started work at LLSI in 2008. He is experienced in electronic equipment fabrication and in all types of leak location surveys provided by LLSI. In 2025, he performed 26 geomembrane leak location surveys for a total area of 5,417,740 square feet of geomembrane (124 acres).

THANE HEFLEY

Mr. Hefley is a Senior Field Technician and has an Associate of Applied Science in Electronic Engineering Technology from Hallmark Institute. He started work at LLSI in 2002. He has experience in all implementations of leak location surveys. In 2025, Mr. Hefley supervised or performed 32 geomembrane leak location surveys for a total area of 5,234,480 square feet (120 acres).

CHRISTOPHER GONZALEZ

Mr. Gonzalez is a Field Technician who started work at LLSI in 2020. He has experience in all implementations of leak location surveys. In 2025, he performed 24 geomembrane leak location surveys for a total area of 4,996,358 square feet of geomembrane (115 acres).

III. EXPERIENCE

Table 1 shows the area surveyed, in square feet, by current LLSI field supervisors for the previous three years.

Table 1. Leak Location Supervisor Experience for the Previous Three Years (2023 - 2025)

Survey Supervisor	**Survey Type - ASTM D 7007, D7002, D7240, D7953, D8265**				**Total (sq. ft.)**
	Earth	**Water**	**Water Puddle**	**Spark/Arc**	
Matthew Kemnitz	2,727,795	993,100	935,600	1,403,030	6,059,525
Pissanu Gatesuwan	6,707,545	3,734,478	3,808,790	1,222,100	15,472,913
Thane Hefley	7,882,170	5,004,395	4,321,285	1,179,205	18,387,055
Christopher Gonzalez	3,315,830	3,637,506	4,768,040	5,348,480	17,069,856
Total Area (Supervisors)	20,633,340	13,369,479	4,768,040	9,152,815	56,989,349

IV. PUBLICATIONS

LLSI founders and personnel have published more than 30 technical papers regarding leak location methods and applications over 30 years. A list of most of these publications is available and can be downloaded from the LLSI web site at www.llsi.com/publication.

V. PROJECTS

In 2025, LLSI completed 109 geomembrane leak location surveys including more than 23,139,718 square feet (531 acres) of geomembrane. LLSI also performed one ELIM System collection. Table 2 lists the survey type, leak location operators, area, and number of leaks located for the geomembrane leak location surveys completed in 2025.

Table 2. Leak Location Surveys Completed in 2025

Survey Type	Surveyor	Project #	Area Surveyed (Sq. Ft.)	Leaks
DEEP	MATT, THANE, ETHAN, PEYTON	3993	217,800	0
SHALLOW	PHILLIP, PEYTON	3993	157,666	0
SHALLOW	CHRIS	3991	17,400	1
PUDDLE	THANE	3926	58,650	1
DEEP	CHRIS, PEYTON	4005	328,125	3
DEEP	PHILLIP	4007	45,000	2
PUDDLE	THANE	3926	48,000	0
SOIL	THANE	4020	250,000	1
PUDDLE	CHRIS	3757	117,600	1
PUDDLE	THANE	3926	39,900	1
PUDDLE	THANE, PEYTON	3926	80,000	3
PUDDLE	PEYTON	3926	56,100	0
PUDDLE	PEYTON	3926	45,000	0
PUDDLE	PEYTON	3926	57,800	0
PUDDLE	CHRIS	3548	265,000	0
DEEP	PHILLIP	4019	139,000	4
DEEP	PHILLIP	4019	139,000	2
PUDDLE	THANE	3926	57,800	0
DEEP	CHRIS	4037	288,000	0
PUDDLE	PEYTON	3926	56,100	0

Survey Type	Surveyor	Project #	Area Surveyed (Sq. Ft.)	Leaks
PUDDLE	PEYTON	3926	81,000	0
SOIL	PHILLIP	4051	479,160	0
SPARK	PEYTON	4058	15,000	3
PUDDLE	THANE	3926	101,250	0
PUDDLE	THANE	3926	56,100	0
ARC	CHRIS	4017	50,000	0
PUDDLE	PHILLIP	3926	80,000	0
DEEP	THANE	3999	160,000	3
DEEP	CHRIS	4061	20,000	1
PUDDLE	PEYTON	3943	76,170	1
PUDDLE	CHRIS	3926	58,650	1
PUDDLE	THANE	3972	425,700	3
PUDDLE	THANE	4075	36,100	0
SOIL	PHILLIP	3548	265,000	0
DEEP	CHRIS, PEYTON	4054	261,400	0
PUDDLE	MATT, ETHAN	4063	122,000	15
DEEP	THANE, PEYTON	4071	1,350,000	25
SOIL	PHILLIP	3548	265,000	0
DEEP	PHILLIP	4083	139,000	6
PUDDLE	THANE	3972	425,700	3
SOIL	PHILLIP	4060	10,750	0

Survey Type	Surveyor	Project #	Area Surveyed (Sq. Ft.)	Leaks
ARC	CHRIS, PEYTON	3865	666,470	6
SOIL	PHILLIP, CHRIS, ETHAN	4078	3,000,000	0
SOIL	THANE	4089	196,000	0
SOIL	THANE	4089	1,000	0
PUDDLE	PEYTON	3962	112,300	5
DEEP	CHRIS	4100	27,000	1
PUDDLE	PEYTON	4001	85,000	0
PUDDLE	PEYTON	4065	267,475	7
PUDDLE	CHRIS	3911	50,900	4
ARC	MATT	3865	150,000	2
DEEP	PHILLIP	4101	124,582	2
DEEP	THANE	4094	66,000	5
PUDDLE	PEYTON	4049	40,000	1
SOIL	PHILLIP	3994	94,960	0
DEEP	THANE	4047	100,000	0
ARC	CHRIS	4046	258,170	1
DEEP	PHILLIP	4107	210,000	0
DEEP	THANE	4087	50,000	0
SPARK	PEYTON	4031	20,000	0
SHALLOW	MATT, PHILLIP	4110	139,000	5
SOIL	THANE	3974	200,000	0

Survey Type	Surveyor	Project #	Area Surveyed (Sq. Ft.)	Leaks
PUDDLE	PHILLIP	4065	87,120	1
SPARK	MATT	4031	131,530	10
SOIL	PHILLIP, THANE	3865	666,470	0
ARC	CHRIS	4046	258,170	1
SPARK	MATT	4111	52,500	1
PUDDLE	PHILLIP, PEYTON	4131	680,000	2
SPARK	CHRIS	4069	470,000	7
DEEP	THANE	4013	263,390	1
DEEP	MATT	4033	15,000	0
SOIL	THANE	4046	258,170	0
DEEP	MATT	4144	522,720	0
SOIL	PHILLIP	4140	90,000	0
SOIL	THANE	3958	92,750	0
PUDDLE	PEYTON	4073	475,000	1
PUDDLE	PEYTON	3962	57,250	0
SHALLOW	CHRIS	4147	15,000	2
SOIL	THANE	4004	482,160	6
PUDDLE	PEYTON	3672	206,000	0
ARC	PHILLIP	4116	102,100	1
ARC	CHRIS	4046	258,170	1
SOIL	CHRIS	4025	170,000	0

Survey Type	Surveyor	Project #	Area Surveyed (Sq. Ft.)	Leaks
DEEP	THANE	4150	160,000	9
PUDDLE	PEYTON	4088	177,100	0
SOIL	THANE, AUSTINE	3997	645,650	2
SOIL	PHILLIP	4113	305,000	0
PUDDLE	PEYTON	4040	10,230	0
ARC	CHRIS	4046	258,170	0
SOIL	MATT	4092	127,300	0
DEEP	PHILLIP	3996	47,000	0
PUDDLE	THANE	4079	75,000	0
SPARK	PEYTON	4084	101,000	21
PUDDLE	PEYTON	3962	144,440	0
PUDDLE	THANE	3911	58,000	0
PUDDLE	PHILLIP	4146	150,000	1
SOIL	CHRIS	3971	11,620	0
SOIL	CHRIS	4046	258,170	0
SOIL	PHILLIP	4079	75,000	0
PUDDLE	PEYTON	4155	35,000	2
SOIL	CHRIS	4046	258,170	0
PUDDLE	PHILLIP, PEYTON	4106	550,000	0
SOIL	THANE	4157	46,000	0
PUDDLE	THANE	3926	40,000	0

Survey Type	Surveyor	Project #	Area Surveyed (Sq. Ft.)	Leaks
SOIL	CHRIS	4046	258,170	0
PUDDLE	THANE	4167	61,300	0
SPARK	PEYTON	4172	142,560	1
DEEP	MATT, ETHAN	4174	43,560	0
PUDDLE	PHILLIP, PEYTON	3672	947,000	0