



Experts in LOCKOUT/TAGOUT (LOTO) PROCEDURES AND TRAINING



Founded in 2015, Citrine LLC (Citrine) is a multi-discipline firm specializing in professional engineering design, construction administration, and commissioning services. Citrine is at the forefront of electrical safety processes involving electrical studies, LOTO procedures, safety assessments, project documentation, compliance, record keeping, labeling, training, and PPE. We have extensive experience in the manufacturing, industrial, commercial, military, hospital, and government sectors.

Our team of LOTO professionals will ensure that your facility is compliant with NEC, NFPA 70E, ANSI and OSHA standards.

Citrine is a Small Disadvantaged Business (SDB), Service-Disabled Veteran-Owned Small Business (SDVOSB), Women-Owned (WOSB), and HUBZone certified firm. We are Colorado Department of Transportation Small Business Enterprise (SBE), Emerging Business Enterprise (EBE), Minority and Women-Owned Business Enterprise (MWOBE) and Disadvantaged Business Enterprise (DBE).

Why Choose Citrine?

- Our Lead LOTO Engineer is a NFPA Certified Electrical Safety Compliance Professional (CESCP), and an authorized OSHA trainer.
- We provide standard and customized NFPA 70E and LOTO training courses by certified trainers.
- Our team is skilled in providing and recommending NFPA 70E-compliant safety equipment.
- We are experts at LOTO procedure development.
- We have conducted hundreds of electrical safety surveys nationwide.
- We are proficient in CAD, Brady & Masterlock software for creating OSHA compliant LOTO procedures.
- Our engineers and safety professionals have an average of 15 years of LOTO experience.

NAICS CODES

541330 (Primary) 541380
 221310 541420
 236220 541611
 238210 541690
 238220 541715
 238290 541990
 323113 561210
 323120 561621
 541310 561910
 541340 611513
 541350 611519

SPECIAL ITEM NUMBERS:

541330ENG 541715
 541380 611430
 541420 OLM
 541690E



Unique Entity Identifier (UEI):
JKPGTKHSKRP4

CAGE:
7PL41

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SAMPLING OF OUR LOCK OUT TAG OUT (LOTO) PAST PERFORMANCE

Electrical Survey and Training, VA Southern Nevada Healthcare System (VASNHS) Department of Veterans Affairs (VA) North Las Vegas, NV

- Conducted a detailed site survey inspection and analysis of the existing structures
- Performed risk analysis concerning the facility's electrical systems
- Outlined safety-related training requirements
- Listed requirements for the development of an electrical safety program
- Created LOTO procedures
- Identified all necessary LOTO equipment for purchase
- Conducted LOTO training for both train-the-trainers and general staff

Recommissioning Power Study, National Oceanic and Atmospheric Administration (NOAAA) Wallops Command and Data Acquisition Station (WCDAS), Wallops Island, VA

- Assessed current condition of equipment
- Commissioned and tested equipment
- Identified weaknesses and provided recommendations for improvement
- Developed operational and safety procedures
- Provided operator training
- Created operational equipment procedures and customized LOTO procedures
- Performed customized hands-on classroom training to all facility staff for specific equipment and technical challenges

LOTO Services, Support, and Training at WestRock's Presto! Pulp and Paper Mill, Florence, SC

- Developed and implemented a written customized Control of Hazardous Energy program
- Performed hazard determinations and developed machine-specific LOTO procedures
- Oversaw the application and removal of locks to prevent accidental hazardous energy release during equipment maintenance
- Conducted on-site, hazard-specific training for staff on LOTO procedures and safety protocols

LOTO and Arc Flash Studies, Cheyenne Prairie Generating Station, Cheyenne, WY

- Performed field inspections to evaluate electrical equipment and collected necessary data
- Modeled entire electrical system using ETAP software
- Created LOTO procedures and labels compliant with current NFPA 70E and OSHA standards
- Updated the electrical one-line diagrams with new information from field inspections and ETAP analysis
- Conducted customized NFPA 70E training for staff

The maps below illustrate the numerous locations Citrine has completed electrical safety-related projects and training.

