

Michael Adams

Lead Electrical Engineer at WorleyParsons Group, Inc

Morrisville, PA - Email me on Indeed: [indeed.com/r/Michael-Adams/eb8920295364d7d3](https://www.indeed.com/r/Michael-Adams/eb8920295364d7d3)

WORK EXPERIENCE

Senior Electrical Engineer

Altran - Cranbury, NJ - April 2012 to Present

- = Produce conceptual design and perform technical review of substations
- = Coordinate with plant personnel and vendors for the installation of a burner management system at a natural gas fired generating unit
- = Perform walkdowns associated with modifications to the plant
- = Responsible for an emergency diesel generator study that connects to the existing plant and interfaces with the control room

Lead Electrical Engineer

WorleyParsons Group, Inc - Diablo Canyon Nuclear Power Plant - Avila Beach, CA - August 2011 to April 2012

- = Lead electrical engineer for the plant public address system upgrade project
- = Lead electrical engineer for the protected area lighting project including the inside power distribution system upgrade, ETAP calculations, cable sizing, conduit layout, walkdowns, and associated documentation for a nuclear generating station
- = Created engineering design change packages, design change notices, and performed independent technical reviews for nuclear modifications

Electrical Engineer

WorleyParsons Group, Inc - Reading, PA - May 2007 to August 2011

- = Generated calculations for load flow, voltage drop, motor starting, short circuit analysis, uninterruptible power supply systems, batteries, battery chargers, conductors, electrical equipment, interior and exterior lighting design, control transformer burden, and arc flash hazard calculations using ETAP and SKM Systems Analysis
- = Responsible for one-line drawings, data sheets, engineering requisitions, scope of work documents, installation documents, technical bid evaluations, bills-of-material, schematic wiring diagrams, and control wiring diagrams
- = Developed equipment specifications for various types of electrical equipment including transformers, low and medium voltage switchgear, motor control centers, circuit breakers, disconnect switches, batteries, battery chargers, and uninterruptible power supply systems
- = Performed protective relay coordination study for 4.16kV and 480V systems
- = Set protective relay settings for differential protection of generator step-up transformers
- = Replacement of medium voltage vacuum circuit breaker and associated control wiring

Electronics Engineer

Northrop Grumman Corporation - Linthicum, MD - April 2006 to May 2007

- Provided maintenance and engineering support for operational missions for the USAF unmanned aerial vehicle Predator Program
- Performed various self tests of the Tactical Endurance Synthetic Aperture Radar (TESAR) test bench
- Maintained and troubleshoot hardware and software issues for TESAR Test Bench

EDUCATION

B.S. in Electrical Engineering

Pennsylvania State University
2005

ADDITIONAL INFORMATION

- = Pennsylvania State University - B.S., Electrical Engineering, December 2005
- = Licensed Professional Engineer in Pennsylvania, [...]
- = SEL-700G relay course at Schweitzer Engineering Laboratories, April 2011
- = AGi32 lighting course, March 2012