




505 Main Street Φ Farmington CT 06032 Φ 1-877-677-9797

## Connecticut Valley Hospital - Arc Flash Analysis



<b>OWNER</b>	<b>STATE OF CT – DEPT. MENTAL HEALTH &amp; ADDICTION SERVICES</b>
<b>Location</b>	Middletown, CT
<b>Project Size</b>	Powerhouse & Transformers
<b>Completion date</b>	February 2009
<b>Major Challenge</b>	Facility is on National register of Historic Places Combination of original turbine equipment from 1950 and updated gear from 2000
<b>DESCRIPTION OF WORK</b>	
Arc Flash Analysis according to NFPA 70E guidelines of all electrical gear and panels for hospital campus powerhouse facility. Complete labeling of all equipment with appropriate warnings of minimum distances and required PPE for persons working on energized gear. Provided full day of training to staff on NFPA 70E and Arc Flash safety.	
	
<b>WARNING</b>	
<b>Arc Flash and Shock Hazard Appropriate PPE Required</b>	
3' - 4' 4.9 #2	Flash Hazard Boundary cal/cm <sup>2</sup> Flash Hazard at 18 Inches PPE Level Cotton underwear plus FR shirt and FR pants
0.48 3' - 6" 1' - 6" 0' - 1"	kV Shock Hazard when cover is removed Limited Approach Restricted Approach - Class 00 Voltage Gloves Prohibited Approach - Class 00 Voltage Gloves
Equipment Name SWG-2A	
IEEE 1584 Hazards; Project 1289A -- Safety Procedure #A6D24 -- EasyPower File: "Plant-A6.dez" -- Date: September 9, 2003	
<b>WWW.MCPHEEUSA.COM</b>	