

Electrical Risk Assessment Form



WARNING

Arc Flash and Shock Hazard
Appropriate PPE Required

4' - 0"	Arc Flash Hazard Boundary
8	Cal/cm2 Incident Energy at 1'-6"
480	Volts Shock Hazard When Cover is Removed
3' - 6"	Limited Approach Boundary
1' - 0"	Restricted Approach Boundary

Device ID:	Date: 09.09.14
MCC-CGK	
TURBINE BATTERY CHARGER / SOUTH WASH CART	
 STAR SAFETY <small>CONSULTANTS</small> <small>(866) 923-7922</small>	POWER HOUSE CG.3

Company Name:	Company ABC	Date Created:	2015/10/05
Equipment ID:	MCCCGK	Completed By:	George Jones

STEP 1 – REASON FOR THE RISK ASSESSMENT: INITIAL EVALUATION

STEP 2 – DESCRIPTION OF THE HAZARD, TASK, OR CHANGE TO TAKE PLACE

VOLTAGE (VOLTS):480 VOLTS	ARC FLASH BOUNDARY:4 FEET
ARC FLASH HAZARD:8	ACTUAL WORKING DISTANCE FROM DEVICE(FT):8

STEP 3 – INITIAL RISK ASSESSMENTS:

STEP 3A – SEVERITY OF THE POSSIBLE INJURY OR DAMAGE TO HEALTH (SE)	STEP 3B – FREQUENCY AND DURATION OF EXPOSURE (FR)
INCIDENT ENERGY: 8 TO 40 CAL/CM2	FREQUENCY AND DURATION: 1 PER HOUR
SHOCK:151V TO 600V	
DISTANCE:WITHIN RAB(OTHER)	
SEVERITY (SE) = 3	FREQUENCY (FR) = 5
STEP 3C – LIKELIHOOD OF OCCURRENCE OF A HAZARDOUS EVENT (PR)	

STEP 3C-1: EQUIPMENT LIKELIHOOD (PR)	STEP 3C-2: PERSONNEL LIKELIHOOD (PR)
EQUIPMENT AGE: 30 YEARS	TRAINING:NEVER
ARC RESISTANT DESIGN:NONE INSTALLED	SKILL:NEVER
MAINTENANCE PRACTICES:NEVER	KNOWLEDGE: NEVER
MAINTENANCE HISTORY:NONE	
EQUIPMENT LIKELIHOOD (PR) = 5	PERSONNEL LIKELIHOOD (PR) = 5
STEP 3C-3: PPE / TOOLS LIKELIHOOD (PR)	
CLOTHING AVAILABLE: SHARED TOOLS AVAILABLE: NEVER TRAINING ON USE OF TOOLS: NONE	MAINTENANCE OF PPE: NONE PPE / TOOLS LIKELIHOOD (PR) = 4
E.P.P. RATING (PR AVERAGE ACROSS ALL) = 5	

STEP 3D: LIKELIHOOD OF AVOIDING OR LIMITING INJURY OR DAMAGE TO HEALTH (AV)	INJURY OR DAMAGE TO HEALTH CLASSIFICATIONS::
LIKELIHOOD OF AVOIDANCE (AV) = 5	

TOTAL PROBABILITY OF OCCURRENCE SCORE – W/O RISK REDUCTION :	SCORE:18
THIS RISK IS NOT ACCEPTABLE AND CANNOT BE JUSTIFIED ON ANY GROUNDS. THE ACTIVITY MUST BE STOPPED IMMEDIATELY UNTIL EFFECTIVE	

STEP 4 – RISK REDUCTION (IN USE ITEMS):	
LOW-LEVEL BARRIERS/CONTROLS SUCH AS PPE (LAST LINE OF DEFENSE, CONTROL AT THE WORKER). PROPER USE OF SIGNS, SIGNALS, DEVICES, AND LABELING TO WARN WORKERS AND/OR PUBLIC OF A PARTICULAR HAZARD(S).	
HAZARD(S) ENCLOSED OR GUARDED AT THE SOURCE TO PROTECT THE WORKERS (GUARD OR GUARD RAILS). HAZARD PERIODICALLY MONITORED (I.E. IR SCANS); OPERATIONAL LIMITS ARE KNOWN AND DOCUMENTED IN PROCEDURES (I.E. SAFE LIMITS OF APPROACH)	
TOTAL PO – WITH RISK REDUCTION :	SCORE:7
IMPLEMENT RISK REDUCTION EFFORTS IF PRACTICAL AND RESOURCES ARE FEASIBLE; RISK IS ACCEPTABLE.	

STEP 5 – IS THE RISK ACCEPTABLE?
HAVE YOU COMPLIED WITH ALL YOUR COMPANIES STANDARDS?
ARE YOU ACTUALLY IMPLEMENTING ALL RISK REDUCTIONS AS STATED ABOVE?

STEP 6 – FINALIZE THE APPROPRIATE RISK ASSESSMENT PACKAGE	
COMPLETED BY: GEORGE JONES	SIGNATURE: _____