

Job Risk Analysis

Name(s) of Risk Team Members: P. Cirnigliaro, L. Masi, J. Moore, T. Tallerico				Point Value → Parameter ↓	1	2	3	4	5							
Job Title: Electronic work-routine <600 V Job Number or Job Identifier: JRA 4b-05				Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift							
Job Description: Testing ,diagnosing, troubleshooting a compressor control panel.				Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability							
Training and Procedures List (optional):				Likelihood (D)	Extremely Unlikely	Unlikely	Possible	Probable	Multiple							
Approved by: <i>E. Lessard</i> Date: 7-8-05 Rev. #: 0																
Stressors (if applicable, please list all):				Reason for Revision (if applicable):			Comments: Control power fed from MCC3-M480V 3phase 800A from Power panel 1 MCC3-D. Use of Energized Electrical Work Permit AD-g-05-03B.									
				Before Additional Controls					After Additional Controls							
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Review work, assign work order number, inform Cryogenic's Control Room of work planned.	Minimal Hazard	Procedures, training, permits.	N	2	3	1	1	6								
Open compressor control panel door,	Exposure to electrical shock.	Procedures, training, permits,	N	1	3	4	2	24								
Testing ,diagnosing, troubleshooting to identify fault.	Exposure to electrical shock and flash hazard	Procedures, training, permits (Energized Electrical Work Permit AD-G-03B), visual inspection, use of PPE as per NFPA 70E, use of CAT III test equipment, use of insulated tools	N	1	3	4	3	36								
De-energize control panel using local circuit breakers.	Exposure to electrical shock and flash hazard	Procedures, training, permits, use of PPE as per NFPA 70E, use of insulated tools.	N	1	3	4	2	24								
Verify de-energized status of control panel	Exposure to electrical shock and flash hazard	Procedures, training, permits, use of PPE as per NFPA 70E, use of insulated tools.	N	1	3	4	2	24								

Repair fault	Use of hand tools	Procedures, training, permits	N	1	3	2	1	6								
Reset local circuit breakers.	Exposure to electrical shock and flash hazard	Procedures, training, permits, use of PPE as per NFPA 70E, use of insulated tools.	N	1	3	1	2	4								
Verify operation of equipment	Minimal Hazard	Procedures, training	N	1	3	1	1	3								
Report task completion to Cryogenic's Control Room..	Minimal Hazard		N	1	3	1	1	3								
*Risk:	0 to 20	21 to 40	41-60	61 to 80	81 or greater											
	Negligible	Acceptable	Moderate	Substantial	Intolerable											