JOB DESCRIPTION

FRED WEBBERKING

LEAN – SIX SIGMA – INDUSTRIAL – MAINTENANCE – RELIABILITY – ENGINEERING

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Below I have made a list of my abilities and the job role requirements of what I believe is to be expected of a person to undertake and perform in the roles and positions that I have held in the Lean, Operational Excellence, Industrial Maintenance and Reliability Engineering in both the discrete and process manufacturing sectors of business commerce

JOB ROLE ABILITIES REQUIREMENT

- I am expected to work on my own initiative, normally unsupervised and to support the strategic goals set by maintenance department in a team approach requiring an additional in-depth knowledge so to attain and or exceed management by objectives targets.
- I am required to have a site-wide role for those areas of specific skill on an involved nature for which I have been trained
- I have to develop equipment criticality rankings and determine appropriate actions needed to reduce or better eliminate failure risks as per PFMEA as calculated by risk priority.
- I am required to train all direct and indirect employees in the theory and practice of TPM (Total Productive Maintenance) to steps 8-12, conduct conformance audits, and set measurable deliverables
- I am required to train all direct and indirect employees in the theory and practices of the 5S and its implementation process.
- I am required to train all direct and indirect employees in the theory and practices of SMED (single minute exchange of dies) and its implementation process.
- I am required to train all direct and indirect employees in the theory and practices of 8D (Disciplined Problem Solving) and its implementations process.
- I am required to train all direct and indirect employees in the theory and practices P-M analysis (chronic loss problem analysis) and its implementation process.
- I am competent in the use of all appropriate electrical or mechanical equipment to levels which are indicated by a higher technological qualification
- I am expected to have the same basic skills, knowledge and abilities as appropriate as other multi-skilled maintenance technicians across the mechanical and electrical disciplines
- I am required to service specific plant installations as appropriate to highest levels of technical competence to which I have been trained in and additionally to diagnose and correct intractable machine system faults
- I am able to exercise technical judgments and to apply established principles of fault finding means to seek and determine equipment losses and root causes, effects and failure modes
- I clearly understand the principles underlying the work that I perform and its relationship to others within the maintenance group
- I have to conduct on specific failure event Root Cause Analysis (RCA) to determine cause and causal factors to failure mode remedy with corrective actions. In such case as need conduct advance problem solving using six sigma and or including P&M Analysis.
- I have the ability to conduct Weibull Analysis so much to make predictions about the life of all products in the population by fitting a statistical distribution to life data from a representative sample of units. The parameterized distribution for the data set can then be used to estimate important life characteristics of the product such as reliability or probability of failure at a specific time, the mean life and the failure rate.
- I have to be well verse in the basic 7 quality statistical tools of Pareto charts, Histograms, Scatterplot diagrams, Flow charts, Fishbone diagrams, Check sheets and capability studies in SPCs such as X bar R bar charts.

- I have the ability to prepare and to apply fault diagnosis techniques and procedures at both facility logistics and to my inside customers production assembly within my range of responsibilities.
- I have the ability to diagnose and correct equipment and system problems using mental tools speaking with data questioning data and to make decisions based on data analysis.
- I have to be particularly skilled to a specialist level in microprocessors or similar based control systems for the areas of specific skills I have been trained in and responsible for.
- I am widely skilled within my own core qualification boundaries, but I am also expected to complete deemed necessary any further training to the equivalent levels of the job dictates me to be in.
- I am able to measure and make use of measurements involving a wide variety of measuring tools apparatus jigs and instruments
- I have the ability to prepare and communicate technical nomenclatures both written and verbal to all levels of technical, engineering and management understanding.
- I am able to carry out investigative activities involving company and outside consultant specialist necessary when critical levels of expertise need to be sought.
- I have to action and coordinate and to give technical advice on basics of preventive, predictive maintenance population of computer maintenance management systems to track equipment performance history records planning scheduling backlog work, generation of PMs and establishment of equipment strategic spare parts prepare fiscal maintenance budget forecasts for maintenance expenses, labor, capital and indirect material.
- I have the ability to influence, delegate, lead, and direct work of others, to promote an esprit de corps within the maintenance group, establish rapport with outside vendors, suppliers, creating partnerships in reliability with the maintenance department, design engineering, management and equipment operators.
- I have the ability to understand relevant manufacturing processes and associated push pull flow system of direct and indirect material purchase.
- I have to be prepared to undertake minor projects within the sphere of my expertise, in particular to be able to investigate and prepare designed action items to rectify areas of reliability improvements.
- I am conversant in the use of FRACAS (Failure Reporting Corrective Action System) to determine inordinate failure rates and or high maintenance costs in parts, labor in recurring conditions.
- I am required to attend supplier and other training activities and to maintain my presence as a group leader in company support teams.
- As a reliability maintenance engineer, I am required to be at the very least conversant with on conditioning monitoring techniques in the classifications of dynamic effects, physical effects, particle effects, chemical effects and electrical effects. There are simply too many techniques to cover on this job description, to say the very least there are over 100 on condition techniques, 20 technological techniques alone in the dynamic effect classification of ‘vibration’ analysis. Warrant what is important to myself as reliability or maintenance engineer is through the RCM FMEA process to identify which technique and which technology should be employment should an on-condition detection.
- I am required to pass relevant professional societies membership certifications such as SMRP (Society of Maintenance Reliability Professionals)
- I am adept in many maintenance critical success factors and critical success metrics from MTTF (Mean Time To Repair – non-repair items), MTTF (Mean Time To Failure – repair items), MTTR (Mean Time To Repair).
- I am to have extensive knowledge of safety and emergency procedures both in the mechanical refrigeration (Ammonia R717) and electrical areas of safety concern such as for lock out tag out HazWOPER Process Safety Management and Hazardous Waste, Operational Procedures and Behavior Based Safety.
- I can facilitate formal 5 Whys, P&M Analysis or cause mapping training and investigative workshops to conduct root cause analysis using the plan, do check and adjust iterative project management cycle to ensure completion of corrective actions.

I have compiled a photographic and diagrammatic on-line career portfolio website illustrating examples of my engineering proficiencies, cost saving contrivances, organizational acumen, good judgment, resourcefulness reliability improvements and diagnostic perception. With a full listing of my vocational disciplines, qualifications, certificates and references letters that supports and exemplifies my technical knowledge, skills and abilities to the fact of this resume Website: **http://www.fredwebberking.com** ◄◄ press control+left click to view my online career portfolio website ◄◄