**RESUME**

PERSONAL

Name: Mustafa M. Sawwas

Nationality: Saudi

Year of Birth: 1968

Country of Birth: Makkah, Saudi Arabia

Status: Married

Current Address: Makkah City, Mobile 050536 0546

E-mail: sawwasmm@gmail.com

EDUCATION

Degree: Bachelor of Science

Subject: Electrical Engineering (Electronic / Communication)

Umm Al-Qura University

Graduation Date: August 1991.

CURRENT POSITION: Consultant engineer at Saudi Council of Engineers.

RESUME SUMMARY

After graduation, I worked as Operation electrical engineer in Makkah power plant for 8 months then I joined Yanpet / Sabic in 17 Dec. 91 as Maintenance electrical engineer until I reached to Sr. electrical engineer level in April 2002. After three years, I have been promoted to a supervision level of the Reliability E/I section under Maintenance department. In December’ 2010, I have been given several special assignments and projects handling. Among of them was holding the position of RCA specialist. In May 2013, I transferred to Safco as Sr. Staff RCA engineer until retirement in 1st of June 2015.

DETAILED EXPERIENCES

POSITION: Sr. Staff  RCA engineer (Grade 14)

COMPANY: Safco.

DATE: May. 1st , 2013 To June. 1st , 2015

DUTIES: Responsible for the following duties

1. RCA facilitator. Manage all activities related to EHSS & Reliability incident RCA such as; initiation, selecting the RCA team, facilitation, RCA quality checking, recommendations’ follow up, official status reporting.
2. Conduct RCA membership training for all Safco employees. More than 200 employees were trained up to today.
3. Issue a newsletter for RCA methodology, status and benefits.
4. Participate with Sabic to conduct RCA business assessment for several Sabic affiliates.

POSITION: Maintenance Superintendent (Grade 14)

COMPANY: Saudi Yanbu Petrochemical Co.

DATE: December. 31, 2010 To April. 30, 2013

DUTIES: Responsible for the following duties

1. Nominated for a special assignment as a focal coordinator for all capital maintenance projects.
2. Handling a project to replace the entire emergency electrical system which is designed to restore the critical electrical loads in case of total blackout.
3. A team member in Sabic Reliability Recognition Program.
4. RCA specialist. Several RCA’s were covered. Three of them were Class B, EHSS & Reliability incident. Responsible to issue a monthly report presenting the status of open / close RCA studies and the recommendations implementation.
5. Sub element administrator of SHEMS 08.05 (Electrical safety).
6. Nominated among the SHEMS internal auditors team.

POSITION: Reliability I/E Superintendent (Grade 14)

COMPANY: Saudi Yanbu Petrochemical Co.

DATE: October. 1, 2009 To December. 31, 2010

DUTIES: Responsible for the following duties in addition to the previous position duties:

1. Share in awareness training regarding the Sabic Total Reliability Program.
2. Assign and follow up focal engineers for Reliability Instrumented systems (RIS) as per Sabic policy.

POSITION: Reliability I/E Supervisor (Grade 13)

COMPANY: Saudi Yanbu Petrochemical Co.

DATE: May. 1, 2005 To September. 30, 2009

DUTIES: Responsible for the following duties:

1. Follow up the daily technical activities with the electrical and instrument engineers.
2. Encourage engineers to work in the field closely as per unit distribution assignments.
3. Put a training plan for all new and expert engineers.
4. Create monthly technical presentations to be conducted in-house by the I/E engineers.
5. Evaluate the engineer's production quality and quantity via the annual appraisal system.
6. Supervise the T/A requirements & execution.
7. Motivate the engineers for the optimum production level.
8. Work with my engineers to satisfy the company objectives.
9. Ensure compliance with all SHE (Safety, Health & Environment) requirements.
10. Set five years plan for future maintenance and capital projects.

POSITION: Electrical Engineer (Senior)

COMPANY: Saudi Yanbu Petrochemical Co.

DATE: Apr. 1, 2002 To Apr. 31, 2005.

DUTIES: Responsible for the following duties in addition to the previous position duties:

1. Work as a delegated I/E reliability supervisor during his absence.
2. Handle a project to replace all obsolete battery banks and battery chargers in 15 substations. Supervise the installation and commissioning.
3. Follow up the motors overhauling program. More than 150 MV & LV motors were overhauled successfully and the program is continuous.
4. Lead a maintenance team to replace four 3KVA UPS’s at boilers area.
5. Coordinate a maintenance project to replace three obsolete analog speed controllers of AC motors of rotary feeders and supervise the installation and commissioning.
6. Supervise a project for overhauling of 25 transformers. It includes oil purification, repair of oil leaks, checking all accessories and replacement of four sheets of air-oil separators in the conservators.
7. Supervise the maintenance activities to perform PM of On Load Tap Changer (OLTC) of the four main transformers.
8. Lead a maintenance team to replace five obsolete Cyberex UPS’s (20 & 40KVA) with new Gutor UPS’s in all Operations control rooms. (In progress).
9. Represent Yanpet in the annual electrical network meeting organized by ExxonMobil.
10. Submit technical paper to SABIC technical meeting (STM-6) titled "Motors overhauling program".

POSITION: Electrical Engineer (Advanced)

COMPANY: Saudi Yanbu Petrochemical Co.

DATE: Dec. 1, 1997 To March. 30, 2002 .

DUTIES: Responsible for the following duties in addition to the previous position duties:

1. In-call weekend coverage.
2. Review and comment the specification of Yanpet Expansion Project.
3. Participate as a team member to carry out electrical tie-in project.
4. Lead a maintenance team to replace a 15MW synchronous motor.
5. Coordinate a maintenance project to upgrade three speed controllers of DC motors and supervise the installation and commissioning.
6. Represent Maintenance department to work as a team member in Lightning Protection System on Ethylene Unit and Main sub-station.
7. Coordinate the periodic maintenance jobs, such as thermo graphic scanning (Every turnaround as preparation activity) and transformer oil sampling (every two years).
8. Initiate the scope of works for all motors require repair or overhaul at external workshop. Follow up the repair stages and attend the run test if necessary.

POSITION: Electrical Engineer (Full Function)

COMPANY: Saudi Yanbu Petrochemical Co.

DATE: Nov. 1, 1994 To Dec. 1, 1997

DUTIES: Responsible for the following duties in addition to the previous position duties:

1. Coordinate and  supervise the electrical maintenance tasks during
2. turnarounds. Among these tasks, inspection of large size motors, switchgear maintenance and relay calibration.
3. Lead a team through a 2 years project to revamp the entire system of Cathodic Protection in nine different areas.
4. Initiate a computerized periodic schedule of Preventive Maintenance covering all motors, transformers, and the 115kV main substation.
5. Act as a supervisor of Guidance and training the cooperative and summer trainees from the universities. I have trained ten students up to date.
6. Initiate two computerized databases gathering all technical data of motors and transformers plant wide. The Maintenance department uses these as quick information source.

POSITION:  Electrical Engineer (Under Development).

COMPANY:  Saudi Yanbu Petrochemical Co.

DATE:  Dec. 17, 1991 To Oct. 31, 1994.

DUTIES:  Working under Maintenance Department, Reliability & Planning section. The following duties were achieved:

1. Rotational assignment in plant units to be familiar with all
2. Operations’ processes and field equipment.
3. Cooperate with Field Maintenance (electricians) to carry out
4. Preventive Maintenance (PM) for all electrical equipment as per the issued work orders.
5. Witness the Contractors’ performance during turnarounds. Authorized to sign all submitted electrical test results and time sheets.
6. Follow up and execute all daily assigned maintenance jobs.

POSITION:  Shift Engineer (Under Development).

COMPANY:  Electricity of Western Region. (Makkah Power Plant).

DATE:  14/10/1411 to 10/06/1412 H.

DUTIES:  Shift Engineer under Operations Department to be familiar with the  operational tasks of Diesel and Gas Generators.

TRAINING AND COURSES

Management Courses:

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| --- | --- | --- | --- | --- |
| SER. | TITLE | LOCATION | DURATION | ORGANIZER |
| 1 | Statistical Process Control. | Yanpet | 1 Day | Yanpet |
| 2 | Process Safety Management. | Yanpet | 1 Day | Yanpet |
| 3 | Environmental Awareness Program. | Yanpet | 1 Day | Yanpet |
| 4 | Creative Thinking. | Yanbu | 3 Days | HUTAL |
| 5 | Team Building. | Yanbu | 5Days | HUTAL |
| 6 | Basic Supervision | Yanbu | 5 Days | HRD |
| 7 | Communication Skills | Yanbu | 5 Days | HRD |
| 8 | Problem Solving And Decision Making | Yanbu | 5 Days | HRD |
| 9 | Advanced Supervision | Yanbu | 5 Days | HRD |
| 10 | Leadership Skills | Yanbu | 5 Days | Al-Tawil |
| 11 | Positive Thinking | Yanbu | 1 Day | Hewar Center |
| 12 | Train the trainer | Yanbu | 5 Days | Professionals |
| 13 | Finance & non finance professional | Yanbu | 5 Days | Professionals |
| 14 | Strategic Maintenance Leadership | Yanbu | 5 Days | Marshall institute |
| 15 | Interview Skills | Yanbu | 2 Days | Professionals |
| 16 | Sabic’s careers in management – Beta transition program | Yanbu | 3 Days | Sabic |
| 17 | Advanced negotiation skills | Yanbu | 5 Days | Professionals |
| 18 | Seven habits for highly effective people | Yanbu | 4 Days | Franklin Covey |
| 19 | Advanced presentation skills | Jubail | 5 Days | Dallah |
| 20 | Working as team | Jubail | 2 Days | Light house |
| 21 | Leading a successful change | Jubail | 2 Days | Sabic Academy |
| 22 | Training of trainers | Makkah | 5 Days | EAC |
| 23 | Human resources specialist skills | Makkah | 4 Days | EAC |

Technical courses:

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| --- | --- | --- | --- | --- |
| SER. | TITLE | LOCATION | DURATION | ORGANIZER |
| 1 | Introduction to plant Process. | Yanpet | 5 Days | Yanpet |
| 2 | Adjustable Speed Controller of DC Motors (Valutrol). | Yanbu | 2 Days | GE |
| 3 | Industrial Relay Application. | Yanbu | 2 Days | Westinghouse |
| 4 | Power System Studies. | Yanbu | 5 Days | Iscosa |
| 5 | Motors – advanced. | Dammam | 10 Days | Iscosa |
| 6 | Switchgears. | Dammam | 10 Days | Iscosa |
| 7 | EHV GIS (115KV) Switchgear and Digital System. | Yanbu | 1 Day | Group Schneider |
| 8 | Uninterruptible Power Supply (UPS, Cyberx) | Yanpet | 5 Days | Cyberx |
| 9 | Sepam Relay & Fluair MV Switchgear | France | 10 Days | Group Schneider |
| 10 | Synchronous Motors, Theoretical and Practical. | Yanbu | 2 Days | Electric Machinery |
| 11 | DC Motors Speed Controller | Yanbu | 4 Days | ABB |
| 12 | Transformers | Yanbu | 3 Days | ABB |
| 13 | Power Quality & Harmonic Analysis | Dammam | 5 Days | ACTrain |
| 14 | Safe Use Of Electrical Equipment in Hazardous Area | Yanbu | 5 Days | EuroMaTech |
| 15 | System & Equipment Grounding | Yanbu | 5 Days | Al-Jeed |
| 16 | Knowledge and maintenance on HB7, 115KV GIS. | Yanbu | 4 Days | Merlin Gerin |
| 17 | Uninterruptible Power Supply (UPS) | Yanbu | 5 Days | GUTOR |
| 18 | Process control & Instrumentation | Yanbu | 5 Days | Haward Tech. |
| 19 | Industrial data communication | Yanbu | 5 Days | Haward Tech. |
| 20 | National electrical code | Yanbu | 5 Days | Haward Tech. |
| 21 | Flow measurement & control | Yanbu | 5 Days | CEESI |

Skills Training:

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| --- | --- | --- | --- | --- |
| SER | TITLE | LOCATION | DURATION | ORGANIZER |
| 1 | General English Language Course. | Yanpet | 5 Months | Yanpet |
| 2 | Use of Power\*Tools Software for Electrical Engineering. | Yanpet | 4 Days | SKM |
| 3 | Reliability Technologies  Root Cause Failure Analysis | Yanpet | 2 Days | HSB |
| 4 | Reliability Technologies  Reliability Centered Maintenance | Yanpet | 2 Days | HSB |
| 5 | CMADA System Software | Yanpet | 5 Days | Cutler-Hammer |
| 6 | Level II Incident Investigation | Yanpet | 3 Days | PSI |
| 7 | Diploma In Neuro Linguistic Programming | Yanbu | 5 Days | Smart Step |
| 8 | Photo memory | Yanbu | 2 Days | Roots of Happiness |
| 9 | Operation of IR scanner & image analysis via its software | Yanbu | 1 Day | Nondestructive inspections establishment |
| 10 | SAP module, Shutdown Project Management | Yanpet | 3 Days | Sabic – Fanar |
| 11 | SAP module, Master data technical objects 1. | Yanpet | 3 Days | Sabic – Fanar |
| 12 | Sabic-Wide total reliability program | Yanbu | 5 Days | Sabic |
| 13 | SAP module, Projects Management | Ibn Rushd | 2 Days | Sabic |
| 14 | SAP module, Project system for affiliate | Ibn Rushd | 3 Days | Sabic |
| 15 | ISO 9001:2008 Quality management system, internal auditor | Yanbu | 5 Days | Bureau Veritas |
| 16 | RCA leader workshop | Jubail | 5 Days | Sabic |
| 17 | Taproot Advanced Investigation | Doha | 5 Days | Taproot |
| 18 | Facilitation Essentials | Jubail | 2 Days | Sabic |
| 19 | RCA Advanced Program | Ryiadh | 5 Days | Sabic |
| 20 | The art of performing effective RCA | Jubail | 2 Days | Sabic |
| 21 | Intensive RCA workshop for methodology and software | Yanbu | 5 Days | Sabic |

BUSSINESS TRIPS

As a special assignment to Yanpet Expansion Project (YEP), I attended several Factory Acceptance Tests (FAT) as follow:

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| --- | --- | --- | --- | --- |
| SER. | EQUIPMENT | LOCATION | DURATION | COMPANY |
| 1 | 115/34.5kV Transformer | Sweden | 4 Days | ABB |
| 2 | 115kV Switchgear | France | 5 Days | Group Schneider |
| 3 | DC Drive controller | Germany | 2 Days | ABB |
| 4 | AC Motor (180kW) | Finland | 1 Day | ABB |
| 5 | AC Drive Controller | Finland | 2 Days | ABB |
| 6 | UEC for Glycol Unit | USA | 5 Days | Powel Electric |
| 7 | Harmonic filters | Belgium | 2 Days | ABB |
| 8 | 5KV Motor, 2GM-2202 | Japan | 2 Days | Toshiba |
| 9 | Fat of UPS | Switzerland | 2 Days | Gutor |

TECHNICAL PAPERS

1. Submit a technical paper titled "Motors Overhauling Program" for STM-6
2. The same paper was submitted in Petrotech 2006 held in Bahrain. The conference was organized by Aramco.
3. Submit an abstract titled” A new measurable program to enhance RCA studies quality & knowledge” for STM-11. It was accepted and the paper is currently under development

OTHER SKILLS AND HOBBIES

1. Fluent in Arabic / English language (speech and writing).
2. Good experience in some Microsoft office software (Word, Excel, Power Point, Internet explorer and Outlook).
3. Skill of English language fast typing.
4. Reading, volleyball, Aikido & swimming.
5. Submit different lectures and presentations for public and on TV.
6. Share in a team representing Yanpet in the annual cultural contest organized by royal commission.