

THE EFFECTIVENESS OF SAFETY AUDITS ON PIC PERFORMANCE

Petrochemical Industries Company – Kuwait

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INTRODUCTION

- PIC is a subsidiary of Kuwait Petroleum Corporation (KPC).
- PIC was founded in 1963 with four plants.
- PIC was expanded several times on 1971, 1985 & 2002
- PIC Fertilizer complex consists of
 - Two ammonia Plants with total capacity of 1880 MT/day (880 & 1000 MT/day)
 - Three Urea Plants with total capacity of 3150 MT/day (700, 700, 1750).
 - Urea manufacturing was converted from Prill to Granular Urea on 2002 & 2003

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PIC Joint Ventures



PIC Vision

We regard our workforce as our most valuable asset and always operate with high concern for safety and the environment.

We have build a sustainable leading position in basic and commodity chemicals by being the reliable, preferred supplier of value-added products. **We will achieve this by operating efficiently through best work practices.**



***Central Health, Safety and Environmental Committee
(CHSEC) Formed – 19/2/2000***

- The CHSEC sits on top of the Safety Organization.
- It is the primary policy-making body in the safety organization.
- It is usually headed by the top manager and staffed by upper management.

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Roles and Responsibilities of CHSEC

Establishes a documented HSE Philosophy, achievable goals and objectives.

Encourages initiatives. Holds people accountable, Reviews plant HSE performance, rules and procedures

Working Committees:

- 1. Auditing/Incidents Committee**
2. Process Safety Management Committee
3. Pollution Prevention/ Occupational Health Committee

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The Role of Auditing/Incident Committee (AIC)

- Establish Safety Audit System
- Issue the monthly Audit Schedule
- Report Auditors performance
- Report about auditing reports analysis
- Establish incident reporting & investigating system
- Promote adopted systems
- Monitor and measure effectiveness of systems

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Safety ,Health & Environment Audits

Petrochemical Industries Company Kuwait (PIC) established a structured and systematic safety auditing system .

The system includes all PIC locations and involves all levels of high management to floor ship.

- * They are internal checks of HSE performance and compliance with HSE regulations and policies.
- * Conducted to help identifying what we are doing right and what we can do better .
- * Focuses on positive results of HSE programs & policies.

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When we study & use the Information revealed by an audit , we are able to :

- See the positive results of HSE programs & policies.
- Identify and correct safety, health & environment hazards before they cause accidents or illnesses.
- Have confidence that the company will receive good marks when there's an external audits.

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System objectives :

- **Identify and eliminate hazards before an incident takes place.**
- **Help identify weaknesses in safety program**
- **Help identify training needs**
- **Help measure communication effectiveness**
- **Help maintain standards by ensuring that everyone understand and follow the rules and procedures**
- **Motivate employees and raise safety awareness**

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Who should Audit?

- Auditors should be from all levels of management.
- Each audit team should include at least one that participated in Safety Management Audit course.

Type of Safety Audit In PIC

There are many types of audit and each organization must tailor the program and detail to suit their own particular needs.

Schedule Audits Silent Hour Audits
Unscheduled Audits Safety Section Audit

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Coordinator Responsibilities

- Coordinate in advance the auditing time with his team before the beginning of each month and with AIC coordinator regarding his attendance during the audited month.
- Carry out the audit and train untrained team members.
- Prepare the audit report and review with team members before distribution.
- Submit the reviewed final report as per auditing system distribution Before 20th of the audited month.

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Duration:

Audits should be limited to approximately 1 hour. This is important for two reasons:

- It makes easier to do the calculations needed for audit report analysis.
- It prevents distracting people from performing their work.

Frequency:

Scheduled Audits & Silent hours Audits: Should be conducted once a month as per the schedule.

Un-scheduled Audits, Safety Section Audits: Should be conducted as often as the person in-charge finds it necessary or at least once a month.

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What to look for while Auditing:

Look for positives and not only negatives.

Talk to people and get their feedback

Observation categories:

Safety Rule Violation SRV

Unsafe Acts UA

Unsafe Conditions UC

Housekeeping HK

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Observation techniques

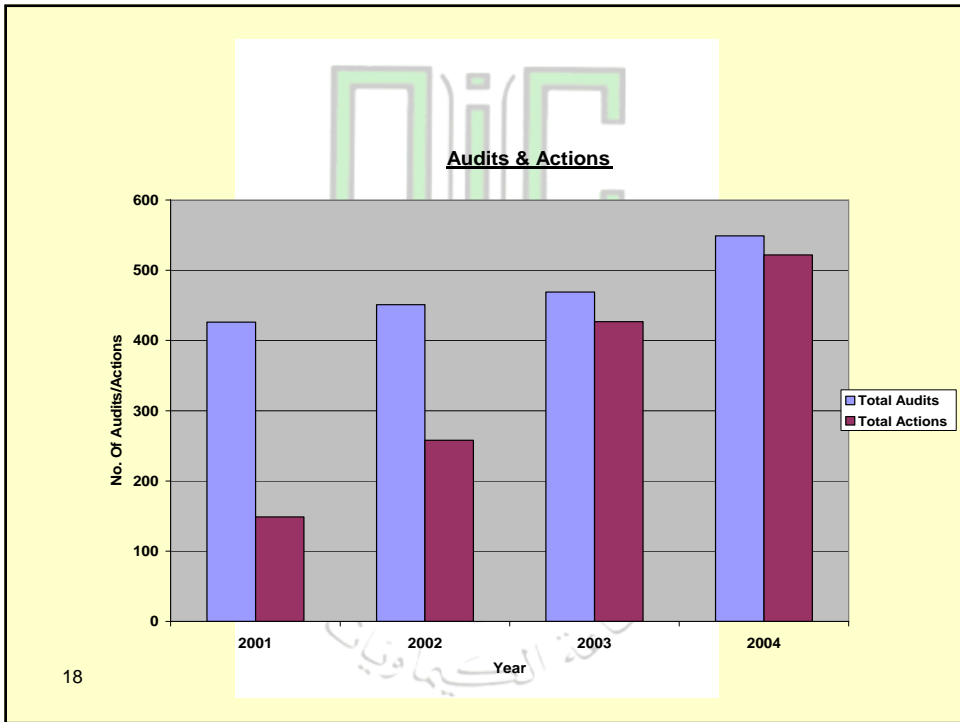
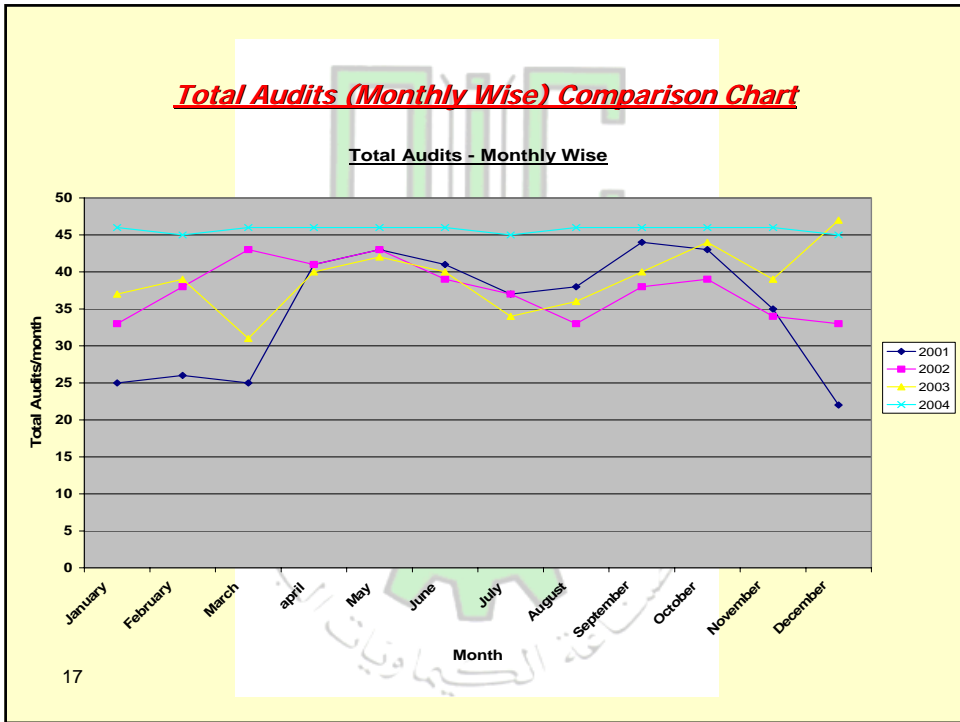
- Remember ABBI – (Look above, below, behind, inside) .
- Use your senses: sight, hearing, smell, and touch.
- Maintain a balanced approach. Observe all phases of the job.
- Recognize good performance.
- Observe for ideas-not just to determine problems.

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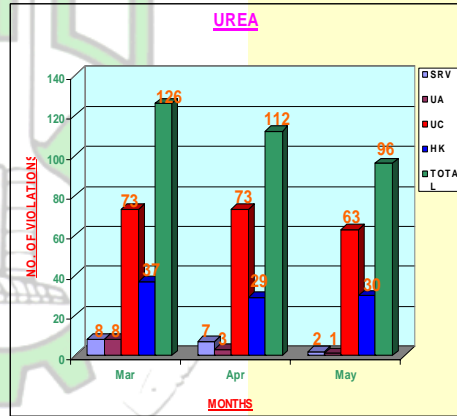
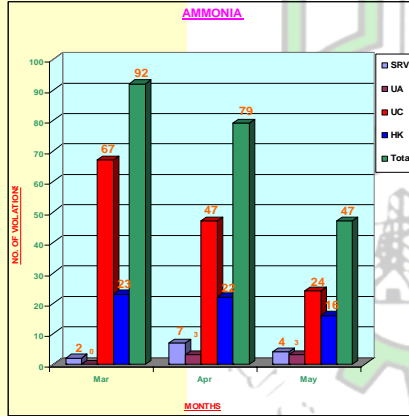
Areas To Be Audited

- All operating units & utilities .
- Export Areas & its facilities .
- All workshops & substations .
- All Gates, Security offices & Rescue rooms .
- Administration areas (Including Clinic, Restaurant & Boubyan Club).

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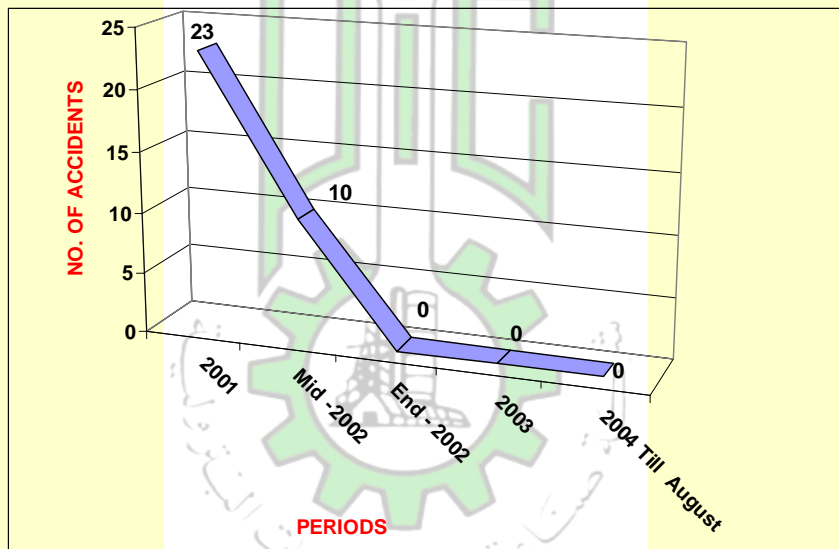


Manufacturing Sector - 2004



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LWC Incidents Statistics



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Conclusion

- ✓ Safety, Health and environmental auditing is used to check HSE performance and compliance with HSE regulations and policies.
- ✓ Safety Audits detects potential hazards & correct them before incidents occur.
- ✓ Safety Audits improves PIC operations, increases efficiency, effectiveness, & profitability.
- ✓ Involving all levels of employees in safety audits increases Safety, Health & Environment awareness.
- ✓ Achieving **3,600,000 Million man-hours** without lost work case incidents
- ✓ Safety Audit contributes in obtaining the **ISO-14001 in PIC.**

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Thank You

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