

Annex 4.4  
Corporate Profile-WMC

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**WMC (PRIVATE) LIMITED**  
KARACHI, PAKISTAN



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## **COMPANY PROFILE & EXPERIENCE OF WMC**

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May 2009





## Company Details

**WASTE MANAGEMENT COMPANY**

Name of the Company	WMC Private Limited
Contact Persons	Syed Nadeem Arif Shahid Ali Lutfi
Position	Director
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## Introduction

# WASTE MANAGEMENT COMPANY

WMC Pvt. Ltd. (Waste Management Company) is based in Karachi, Pakistan and was established in January 2002. It is managed and operated by highly qualified, technical and motivated team of professionals.

WMC is an organization that provides total solution for the disposal of wastes that are environmentally safe to the utmost possible level. These wastes, if disposed off in a conventional manner, may cause hazards to human health and environment.

A team of well qualified and experienced professionals, the core of WMC, provides well thought of solutions keeping in view the different dimensions of waste management and their impacts on each component of the environment. All environmental aspects, including the national legislative requirements, are considered while conceiving the disposal strategy. National and international standards are taken into account for the analysis of wastes and estimation of pollutants during the disposal options. Services of authentic and competent institutes/companies are procured, as and when required, for testing and analysis or other requirements. In short, the WMC is a group of experts committed to provide innovative waste management solutions, from handling to disposal of wastes, utilizing the best available techniques that are cost effective at one end and acceptable in the domain of environmental protection at the other end.



## Health, Safety, Environment & Quality Policy

WASTE MANAGEMENT COMPANY

We, the Waste Management Company are committed to attain excellence in all of our services and meet the requirements of our clients, by implementing the (HSEQ) Management System, as an integrated part of all our activities, procedures and functions.

In order to achieve the highest standard, we have has set the following goals:

- Pursue (HSEQ) Management System as our hallmark to achieve client satisfaction and to provide safe, healthy and environmental friendly atmosphere to our employees.
- Continuously strive to adopt all necessary measures that would result in the enhancement/improvement of Health, Safety, Quality & Environmental impacts on every aspect of our business/service.
- Continuously improve the performance of our HSEQ Management System by regularly reviewing our objectives & related management programs, conducting management reviews & internal audits
- Committed to comply with the relevant laws and regulations applicable to our activities and services, and coordinate with concerned authorities in this regard.
- Educate, train and motivate our employees and concerned business partners through communications, competence, awareness and training to expand their capabilities.
- Exercise due care in the performance of our services to Prevent accidents, harm to people and damages to environment.

**Dated: December 11, 2002**

**Syed Nadeem Arif**  
Director



## *Capabilities of WMC*

**WASTE MANAGEMENT COMPANY**

### **1. Designing of complete Waste Management System**

We analyze and design complete waste management system of the company. Our main emphasize is on Reuse – Recycle of the product. We design and supervise the client in implementing this management system. We not only help them in analyzing the problem but we also prepare procedures and give training on this issue. End to end solutions can also be provided to our customers. Only one component like making of the management plan or implementing can also be done if client requires.

### **2. Management of Hazardous & Non Hazardous Wastes**

We analyze the hazardous waste and suggest the cost effective way of disposing it off. We also stress on three R's i.e. Reduce, Reuse and Recycle while suggesting any solution related to hazardous waste management. We also provide services for collection, transportation and disposal of waste. While performing these jobs stress is always on the laid down procedures of WMC and the client.



## *Capabilities of WMC*

**WASTE MANAGEMENT COMPANY**

### **3. Setting up of Waste Segregation System**

We can establish a waste segregation system with focus on recycling of waste for any organization or business. Collection bins may be custom made according to the client's requirements. These Bins can be from Stainless Steel to Fibre Reinforced Plastic (Fibre-Glass) material. The sizes can vary according to requirement and usage. We provide them and suggest the collection procedures. These Color-Coded bins itself provides segregation at source and does not require any end-user segregation and saves time and money.

### **4. Research for Reuse – Recycling of Waste**

We put emphasize on research and always conduct tests on the waste to ascertain their consistency. In the light of results of the tests we provide cost effective and simple solutions to our clients. We have already provided many such solutions to our clients who are using their hazardous waste after recycling it at very nominal charges. e.g. Reusing of 1-1-1- Tri-choloro-ethlene (TCE) for degreasing after recycling, reusing the waste oil sludge as fuel in Cement Industry etc.



## *Capabilities of WMC*

**WASTE MANAGEMENT COMPANY**

### **5. EPA Approval and Our Resources**

The procedure of waste recycling into cement kiln developed by WMC has been approved by the provincial EPA. We also seek consent of EPA while finalizing waste disposal strategy for any special wastes.

We have all the necessary equipment available with us including waste collection bins, transportation Vans, Compressors, Pneumatic Pumps and necessary PPE for removal and transportation of waste safely.

### **6. Team of WMC**

A team of well qualified and experienced professionals, the core of WMC, provides well thought of solutions keeping in view the different dimensions of waste management and their impacts on each component of the environment.

We have formed a panel of experts comprising of learned personnel in various field of environment. Expertise of this panel is utilized in developing waste management and disposal strategies and procedures.



## Capabilities of WMC

WASTE MANAGEMENT COMPANY

### 7. Certification of WMC (ISO 9001, ISO 14001 & OHSAS 18001)

WMC is the first Pakistani company which has acquired ISO 9001 QMS, ISO 14001 EMS and OHSAS 18001. We have an integrated management system having procedure for every task. e.g. Procedures which are present with WMC encompass transportation of waste, safe driving, confined space entry, lifting operations, permit to work, energy isolation, ground disturbances etc.





## *Clientele*

# WASTE MANAGEMENT COMPANY

Our clientele range from textile industry to petrochemical and oil exploratory companies. Following are the some of the prominent clients to whom WMC has been providing satisfactory services:

- *Eni Pakistan*
- *BP Pakistan*
- *BHP Billiton Pakistan*
- *OGDCL Qadirpur Gas Field*
- *Shell Pakistan Limited*
- *Shell Lube*
- *Shell Aviation*
- *Chevron Pakistan*
- *Total Parco Pakistan*
- *Petronas Oil Explorations*
- *EL Paso Technology Pakistan (Pvt) (Saba Power Complex)*
- *Al-Karam Textiles Limited*
- *HinoPak Motors*
- *Cadbury Pakistan Limited*
- *Thal Engineering*
- *Universal Chemical Industry*
- *Mobil Askari*
- *MSD (Merck Sharpe Dohme)*
- *Pfizer Pakistan*
- *Glaxo Smith Kline Pakistan Limited*
- *Engro Chemical Pakistan*
- *Marathon Engineering*



## WMC Experience

WASTE MANAGEMENT COMPANY

### Eni Pakistan Limited

WMC (Pvt) Limited has implemented an Integrated Waste Management Procedure at Eni Bhit Gas Field from 2006 to 2008. An exclusive waste yard was setup at Bhit field for receiving, sorting and initial processing of waste items being generate from the project camps. All type of wastes that were generated from the gas field in Hazardous as well as Non-Hazardous categories were handled satisfactorily as per the approved procedure from collection to ultimate disposal in environmentally friendly manner. These waste included Activated Carbon, Siliphorite, Spent catalysts, OBM cuttings, filters, waste oil, hospital waste, toxic and chemical wastes.

WMC is carried out composting of food waste at this site as environmental friendly waste management procedure.

### BHP Billiton Limited

WMC has been selected as Spill Response contractors for Dadu-Bubak Condensate Pipeline at Zamzama Gas Plant. WMC would develop a complete spill response plan and would provide services for collection and disposal of all type of wastes generated during spill scenarios.

WMC satisfactorily performed services for cleaning of septic tank of the BHP Zamzama Gas Plant located at Dadu. These tasks were completed to the satisfaction of the company while meeting all the precautionary and safety measures. Pneumatic pumps were used to collect sludge and manual removal was avoided. Bowers were used to collect waste sludge. Semi-solid sludge was stored in plastic drums which were sealed with lids during transportation. All tasks were completed without any incident or risk to workers or damage to environment.



## WMC Experience

### WASTE MANAGEMENT COMPANY

#### **BP Pakistan Explorations & Productions Inc.**

BP Pakistan is engaged in exploration and production activity at Badin concession area. From periodic cleaning of storage tanks and other sources as a routine part of their activity lot of oil sludge is generated. This sludge was collected and stored in lined pits at various sites for ultimate disposal.

WMC in Pakistan come up with a proposal of disposal in which emphasis was given to utilize the waste in cement Kiln as a fuel substitute (although it is practiced in many developed countries but in Pakistan it was first time performed). A complete procedure was developed which was thoroughly evaluated by the client and, eventually, approved for implementation.

The activity of complete disposal of sludge waste from the pits was performed successfully and the waste was utilized fully in manufacturing of Cement. The residual ash also ultimately ended up as a part of clinker thereby leaving no secondary wastes or by-products.

As their hazardous waste management contractors our scope of work included collection, storage and disposal of oil sludge waste from several pit located in various sites in the Badin concession area.



## WMC Experience

# WASTE MANAGEMENT COMPANY

### Shell Pakistan Limited

WMC has been providing waste disposal services to SPL for last four years for complete disposal of their oil waste and expired oil waste. The oil sludge generated at different Shell Depots during the cleaning activity of storage tanks of petrol, diesel and kerosene is being collected and stored into pits at their facilities. WMC is responsible to dispose off this waste in environment friendly manner in either cement kiln or in some oil recycling industry.

The collection activity involves mechanical removing through pumps. All pumpable material is collected into bowlers or stored securely in 200 kg capacity drums. The bowlers and drums are safely transported to the cement factory and unloaded at specially developed facility. Later on it is processed and used as fuel in the firing of kilns.

### Shell Aviation

WMC is responsible for safe disposal of all kind of solid and liquid, hazardous and non-hazardous, waste being generated at their facility. WMC uses all techniques for disposal of these waste including recycling into local market to incineration at specialized locations.

Waste generated at Shell Aviation includes Sludges, Fuel Filter, Waste Lube oil, Printer Cartridge, Rubber Hoses, Tyres & Tubes, Drums, Downgraded fuel, Oil Filters from the vehicle, etc.



## WMC Experience

### WASTE MANAGEMENT COMPANY

#### **Shell Lube**

The outdated lubricants and additives of the shell Pakistan were recycled and used as fuel substitute. This recovery of energy from obsolete chemicals i.e. lubricants and additives was appreciated by the Shell Lube management and was deemed as a best possible and a cost effective disposal solution too.

#### **Engro Chemicals**

While replacing old machinery lot of glasswool waste was generated at Engro facility at Deharki. WMC managed their waste in most appropriate manner while complying with the basics of recycling principles. All of their glasswool was recycled as a raw material for a lower level local industry. It was processed and utilized as insulation material for geysers and oven manufacturing.

#### **Hinopak Motors**

Paints and iron cuttings are the major waste material which is being generated at Hinopak. The iron cuttings and waste paints are the major waste materials which at this facility. The iron cuttings are recycled and used at re-rolling mill whereas paints are being incinerated or used as skid resistance paint material on roads. WMC has been managing various types of waste which includes hazardous and non hazardous materials as well.



## WMC Experience

WASTE MANAGEMENT COMPANY

### **Cadbury Pakistan Limited**

Cadbury Pakistan is a food industry. Mostly fat oil and obsolete flavors are the major waste which are being generated and disposed off by WMC. We are their permanent contractors for waste handling.

### **Al-Karam Textiles Limited**

This is among large textile industries in Pakistan, manufacturing various ranges of textile products. They are using dyes and other chemical for their process which is being wasted after their usage. WMC is taking care of their waste according to contract and disposing it off in an environment friendly manner through incineration time to time.

### **Mobil Askari Lubricants Limited**

The chemical waste generated from the testing laboratory is disposed off safely into the cement kiln. Whereas their oil waste is used as fuel substitute in firing of the cement kiln.

WMC is also their waste disposal contractor and responsible for over all management and disposal of waste.



## WMC Experience

WASTE MANAGEMENT COMPANY

### **Thal Engineering (DENSO AC)**

WMC is a trend setter in Pakistan and provided cost effective solutions to its clients. Tri-chloro ethylene (TCE) is one of the main problems of Thal Engg which is used as degreasing agent. They were unable to found the disposal solution of this most hazardous chemical. It was us who provided them the recycling process and reclaimed 50 tons of TCE after its use. Its now a continuous recycling process at Thal not only saving millions of rupees but also providing them environment friendly solution.

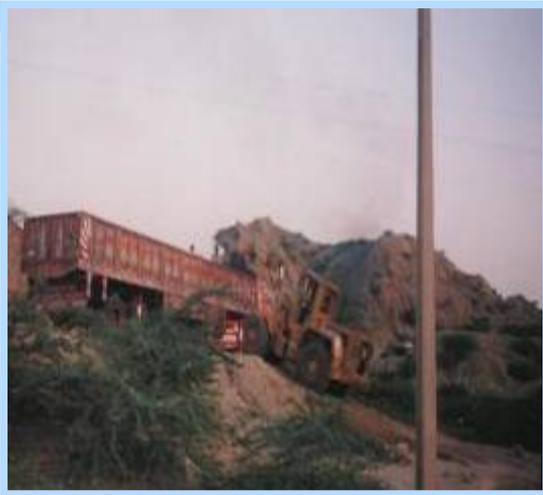
### **Universal Chemical Industry**

WMC is in contract with UCI to manage their chemical waste. At UCI different spent chemicals and wastages are being generated. The chemicals are first neutralized and then either incinerated or recycled.

### **Total Parco Pakistan**

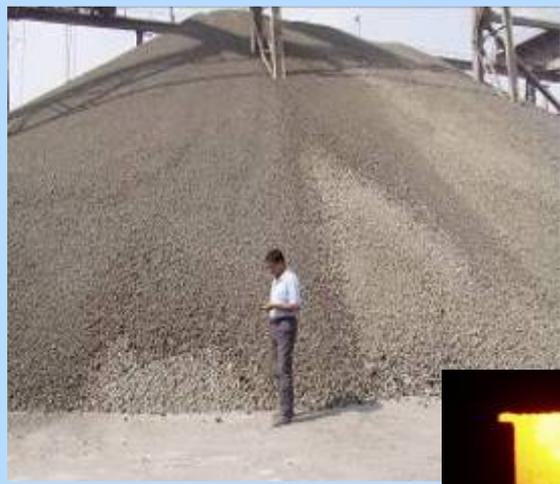
WMC was contacted by TOTAL PARCO Pakistan Ltd. for providing solution for cleanup of the oil contaminate soil at location near Peezo, District Mianwali due to accidental oil spill of 44,000 liters from its Prime Mover. This oil contaminate soil was removed in an environment friendly manner and finally disposed off in a cement kiln with the raw materials. WMC is also their waste disposal contractor and responsible for over all management and disposal of waste.

# WMC Photo Gallery



Work for the removal of contaminated soil in progress at Peezo, Dera Ismail Khan for rehabilitation of land contaminated due to spillage from TOTAL PARCO oil tanker accident.

# WMC Photo Gallery



Various phases of disposal of contaminated soil and waste oil sludge at a Cement factory.

## WMC Photo Gallery



Snap shots of various waste items that are safely collected, transported, stored, processed, and disposed of by WMC for different clients.

## WMC Photo Gallery



Different phases of execution of removing of contaminated soil from various site in Pakistan. Last two photographs show night work in progress.



## Shahid Lutfi

# WASTE MANAGEMENT COMPANY

Position: Director

Qualification:

- M.S.Env.Engg.  
Georgia Institute of Technology, Atlanta, USA
- Bachelors of Civil Engineering,  
NED University, Karachi

Experience: A qualified engineer with a vast vision of environmental issues and processes and 14 years of working experience in the field of environment. Besides the industrial pollution issues possess extensive knowledge of urban pollution issues and is an active participant of major pollution control programmes. Possess adequate experience in environmental assessments, audits, monitoring, and waste management systems. Proficient trainer having experience in the areas of environmental management systems, health & safety, occupational health and legal compliance. Has been involved in ISO 14000 certification process with multinational organizations. Holds extensive experience of laboratory work and successfully completed a certificate course in computerized controlling of laboratory equipment from PERKIN ELMER, USA. Has given lectures/presentations at several seminars and workshops and at institutions/universities on Environmental Legislation, Pollution and its Control Techniques, Environmental Management Systems, and other general environmental issues. Member of several national and international associations.



**WASTE MANAGEMENT COMPANY**

## Key Personnel

### Nadeem Arif

Position: Director

Qualification:

- Masters in Business Administration
- Bachelors of Civil Engineering

Experience: Mr. Arif is basically an Engineer having done his post graduation in Business Management. He is an experienced trainer and has conducted numerous courses and trainings on Environmental Management, Environmental Auditing etc. He is a qualified auditor for ISO 14000 Environmental Management Systems, ISO 9000 Quality Management Systems and OHSAS 18001 Occupational Health & Safety Assessment Scheme. He has vast experience in defining strategic planning, monetary and Technical matters, scheduling of the projects, preparation of contractual claim documents, report generation, computer based time scheduling and planning, Coordination with the clients, negotiations etc. He was a speaker at different seminars and workshops and has delivered lectures on several topics related to Environment, Health & Safety.



**WASTE MANAGEMENT COMPANY**

## Key Personnel

### Dr. Shahid Alam

Position: Director

- Qualification:
- Doctor of Engineering, D. Eng. Civil, Nagoya University, Japan, 1993.
  - Master of Engineering, M. Eng. Civil, Nagoya University, Japan; 1990
  - Bachelor of CIVIL Engineering

Experience: Dr. Shahid Alam has nearly 20 years of experience in Research, Teaching, Design and Supervision of Civil Engineering Projects. Dr. Alam has obtained his Doctorate degree in Materials and Structures. He has published several technical papers in international journals of repute. He is associated with NED University of engineering and technology for the last 10 years. He is also a member of Academic Council, NED University for the last 7-years. Dr. Alam has participated in the execution of several hazardous waste management projects. He has also contributed in the development of WMC operation and Task Risk assessment procedures.



## Other Staff Members

**WASTE MANAGEMENT COMPANY**

**Shariq Moazzam**  
M.S. Petroleum Geology

**Mohammad Jahanzeb**  
BE (civil Engineering)

**Shahzad-UI- Haq**  
MBA (HRM)

**Field Operations Staff**

**Admin and Finance Staff**



## Type of Wastes Handled

1. Waste Oil Sludges
2. Oil contaminated soil
3. Activated Carbon
4. Siliphorite Molecular Sieves
5. Spent Catalysts
6. Diethanol Amine (DEA)
7. Tri-Chloro Ethylene (TCE)
8. Insulation Materials
9. Rubber and Plastic waste
10. Tyres
11. Oil Based Mud Cuttings
12. Oil Filters
13. Air Filters
14. Amine Filters
15. Coalesces Filters
16. Cartridges
17. Food waste
18. Metal waste
19. Wood waste
20. Clinical/Hospital Waste
21. Used Batteries

