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WE078:

Wastewater Treatment and Reclamation Technology and It's Practical Management

Training Description:

This intensive training is presented in easy to understand. Practical apply and implement style. It will provide full technology for your key staff. That will lead to participant improved productivity and information level to enable effective decision making on the job. This is a technology transfer course intended for engineers and supervisors of industries, municipalities water pollution control agencies.

Training Objectives:

By the end of the training, participants will be able to:

- ✓ Gain a multi-discipline understanding of the issues. That means, when you make proposals or decisions on your job, you will keep in mind the needs and expectations of ALL the stakeholders/customers (internal and external)
- ✓ Know the action plan you take away will help you make a difference in your business unit or organization. When you talk about this difference you have made to your organization in your resume, you will be a prime candidate for career advancement in your own organization or in your next job(s)
- ✓ Have a better understanding and acting with understanding of the needs and expectations of your stakeholders/customers is known to enhance job satisfaction and reduce Monday morning blues
- ✓ Learn as one of your stakeholders/customers is Executive Management, the program ensures that you know the strategic imperatives that drive the organization's efforts in your relevant job area

Training Designed for:

This course is intended for Engineers and Supervisors of industries, municipalities water pollution control agencies as well as those new to the field take away a good multi-discipline understanding of the issues involved in their work. It helps them in becoming productive quickly and in building a knowledge framework that will help them identify, understand, classify and remember on the job learning and experiences.

Training Program:

FIVE DAYS:

- ❖ Practical Management Issues
  - Management Issues
  - Good Management Practices
  - Good Operating Practices
- ❖ Waste Water Collection Systems
  - Collection Systems - Municipal Industrial
  - System Cleaning and Maintenance
  - Underground Repair and New Construction
  - Lift Stations
  - Equipment Maintenance and Safety Issues
- ❖ Conventional Waste Water Treatment Systems
  - Waste Treatment Ponds
  - Racks
  - Screens

- Comminutors
- Grit Removal
- Sedimentation
- Flotation
- Trickling Filters
- Rotating Biological Contactors
- Activated Sludge Plants
- Waste Treatment Ponds
- Disinfection and Chlorination
- Sludge Digestion and Solids Handling
- Plant Safety
- Plant Maintenance
- Laboratory Procedures and Chemistry
- Calculations - Analysis - Records
- Odor Control
- Activated Sludge
- Instrumentation
- Waste Monitoring
- Support Systems

❖ Municipal Waste Water Reclamation

❖ Industrial Waste Water:

- Nature of Waste Water from different Industries
- Monitoring Techniques
- API Separators
- Conventional Industrial Treatment Systems
- Panic Ponds
- Chemical Treatment
- Customized Activated Sludge
- Petrochemical Waste Water - Special Considerations

❖ Industrial Municipal Waste Water Reclamation Strategy:

- The Problem
- The Systematic Study of the Problem
- The Pilot Plant Techniques
- Study for your Waste Water
- Preparing Chemical Resistant Activated Sludge
- Pilot Plant Results Analysis
- Scaling Up
- Design of Waste Water Treatment and Reclamation Plants
- Ion Exchange Softeners
- Finishing Treatment for Reclaimed Water
- Special Chemical Additives for particular reuse applications
- Monitoring and Operation of Reclamation Facilities

- Setting up Early warning system to Provide Decision Support Data

❖ Course Conclusion
❖ POST-ASSESSMENT and EVALUATION

Training Requirement:

"Hand's on practical sessions, equipment and software will be applied during the course if required and as per the client's request."

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client's learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

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