

Monthly Magazine
May'07 Edition

AQUA D' EXPRESS



Aqua Designs

MD DESK

Dear All,

The ISO 9001 2000 surveillance audit has been successfully completed on 4th may 2007.

I would like to appreciate each & every associate for their active co-operation, towards this feat. We need to maintain the same momentum always and achieve profitability and customer satisfaction through systemization.

It was a proud moment to our Project Managers, as they were presented with Maruti cars as a token of appreciation in fulfilling their task. I am sure that all our teams will work with maximum motivation in achieving the targets of 2007 – 2008.

I am also happy to announce that we are implementing SAP ERP. We will be on stream before mid of September and this should improve the process speed & efficiency.

Wish You All the Best

WE CAN WE WILL,

***SUTHAKAR
MANAGING DIRECTOR***

CONTENT

MD Desk	-	Organisational News	-
Projects	-	Do you know?	-
General Awareness	-	Plans for Personal Excellence	-
New Comers In Aqua Designs	-		

Organisational News

The ISO 9001 2000 surveillance Audit has been successfully completed on 4th May 2007. It is our first surveillance audit after recertification in 2006. Lead auditors from "RINA India Private limited" conducted the surveillance audit. Our Management Representative organized the audit with all our associates' co-operation.



Our Management selected two Project Managers Mr. Varathachari & Mr. Jayaram as the "Star Performer of The Year", we acknowledged them by rewarding – MARUTHI 800 cars.



PROJECTS

New Projects

ASCENT CIRCUIT – HOSUR

Ascent Circuit is today rated as the fastest growing company in the manufacturer's of PCB's. It is an ISO 9001: 2000 certified company, Ascent Circuits manufactures PCB's of world class professional grade for electronics, computers peripherals, power and automotive sectors.

Capacity

Ro 3rd stage of 14m3/hr.

Completed Projects

MURUGAPPA MORGAN THERMAL CERAMICS

Murugappa group has 29 companies, it is one of the biggest Indian conglomerates operating in various fields. MMTC is a Joint Venture of Thermal Ceramics division of morgan crucible company. The company manufactures a complete range of ceramic fibre products & serves for many industries including iron & Steel, Aluminium, Metal Processing, Furnace building, Power, Ceramic and chemical processing. The major focus is the domestic market in which MMTC is the leader.

Capacity

250 KLD Capacity ETP - RO Recycling Plant.

PASTEUR INSTITUTE

The Pasteur Institute is a private non-profits making, state approved foundation, Pasteur brought together scientist with various specialties. Pastorians has won 8 noble prizes since 1900.

Capacity

200 LPH Capacity WFI Plant - 400 LPH Capacity WFI Plant - 1000 LPH Capacity RO Plant



DO YOU KNOW?

Do plants sweat?

Well, sort of... people perspire (sweat) and plants transpire. Transpiration is the process by which plants lose water out of their leaves. Transpiration gives evaporation a bit of a hand in getting the water vapor back up into the air.

Fruit You Should Eat

1. **Orange:** Great Tasting & rich in Vitamin C, Folic acid and Fiber
2. **Whole Grain Bread:** It's higher in fiber and about a dozen vitamin & minerals that white bread or wheat bread.
3. **Cantaloupe:** A Quarter of delicious melon supplies almost as much Vitamin A & C as most people need in an entire day.
4. **Sweet Potatoes:** A nutritional all star- one of the most nutritious vegetable you can eat. They're loaded with Carotenoids, VitaminC, Potassium & Fiber.
5. **Watermelon:** Excellent source of Vitamin C and Carotenoids and it tastes great
6. **Beans:** Inexpensive low in fat and rich in protein ,iron , folic acid and fiber
7. **Carrots:** 2 Carrots every day provide enough Carotene to reduce stroke risk by half
8. **Bananas:** Rich in magnesium (help protect circulation system, potassium and slowly-adsorbed sugars. Good source of pectin (a soluble Fiber)
9. **Strawberries:** Contain ellagic acid, which contain anti-cancer properties
10. **Tomatoes:** Contain Lycopenes-an antioxidant more potent than vitamin C Stimulates immune function

GENERAL AWARENESS

13 Healthy Habits to Improve Your Life

- 1: Eat Breakfast Every Morning
- 2: Add Fish and Omega-3 Fatty Acids to Your Diet
- 3: Get Enough Sleep
- 4: Make Social Connections
- 5: Exercise for Better Health
- 6: Practice Good Dental Hygiene
- 7: Take Up a Hobby
- 8: Protect Your Skin
- 9: Snack the Healthy Way
- 10: Drink Water and Eat Dairy
- 11: Drink Tea
- 12: Take a Daily Walk
- 13: Plan

TRAVEL HEALTH TIPS

Before you travel - There are many things you can do to prepare for a healthy holiday:

- Have a medical check-up. Make sure you are healthy before you travel.
- Update your vaccinations and ask about other immunizations.
- Pack a medical kit for yourself and any children travelling with you. Make sure you pack enough of any medications you need, or take a prescription.
- Organize travel insurance, including cover if you need to be evacuated to a suitable hospital.
- Have a dental checkup.
- Have a vision check and pack a spare pair of glasses.

VACCINATIONS:

You may want to arrange vaccinations or drugs to protect against diseases such as hepatitis, typhoid or malaria. In fact, some countries legally require travellers to have certain vaccinations, such as yellow fever. As you will need to have some vaccinations weeks or months before travel, it is best to see your doctor six to eight weeks before you go. However, if you have to travel at short notice, you can still have some vaccines. Your doctor will be able to advise which vaccines are suitable depending on:

- Your medical history and age
- Your destination and likely accommodation
- The season in which you are travelling
- The length of stay
- The type of travel, for example bus tour or backpack.

Tips for older travelers

- For older people, the risk of death or serious illness while travelling is the same, or even less, than staying at home. However, planning is important and older travellers should consider the following before they travel
- See your doctor for a checkup and discuss See your dentist and optometrist.
- Your fitness for the trip you are planning.
- Pack a spare pair of glasses, any medications you need and a small medical kit.
- Organize travel health insurance with pre-existing illness cover if needed. Make sure it covers emergency evacuation.
- Make sure routine immunizations are up-to-date and get vaccinated against influenza and pneumonia.
- Consider your back - use luggage with built in wheels.
- Take clothes and hats to suit the climate.
- If concerned about your health, consider taking an organized holiday.

Tips for travelers with a disability:

Travelers with a disability will need to make sure in advance that their needs can be accommodated while travelling and should consider the following:

- Make arrangements for wheelchairs, guide dogs, and seating needs well in advance.
- Find out about the medical facilities in the areas you will be visiting.
- Get letters from your doctor detailing your medical requirements or conditions.
- Carry a Medic-alert tag.

While you are there - eat and drink wisely

The most common travel related illnesses are gastrointestinal diseases usually picked up from poorly prepared foods or untreated water. To avoid the diarrhea, stomach pains, nausea and vomiting associated with these illnesses.

- Use boiled or bottled water.
- Avoid ice in drinks.
- Avoid unpasteurised milk and dairy products.
- Avoid fruit and vegetables that have been washed in the local water.
- Eat thick-skinned fruit and vegetables that you can peel yourself, such as bananas, oranges and mandarins.
- Make sure food is cooked thoroughly and eat it while it's hot.
- Avoid shellfish.
- Don't buy food from street stalls - hotels and busy restaurants are safest.
- Take care with personal hygiene.

PLANS FOR PERSONAL EXCELLENCE

SEVEN STEPS FOR EFFECTIVE TIME MANAGEMENT

The following steps for effective time management can provide a guide for putting your intentions into action, lowering your stress, and helping you achieve your goals

1. Identify your personal and work-related priorities.

This is a key step in the process. Think carefully about outcomes that are important to you. Write them down, being as specific as possible. Specify exactly what you want to accomplish and by when. If you have multiple priorities in the same area (personal or professional), try to select only one or two initially, or try to rank them as to importance. Trying to work on too many at the same time will increase, rather than lower, your stress level.

2. Translate your priorities into concrete goals, with component activities.

Break each goal into its component activities; identify what steps are needed to achieve the goal. Identify the requirements and resources you need related to each activity step. This helps you organise for success and have what you need to move forward towards goal attainment. Pinpointing resources is especially important if accomplishment of your goal requires the co-operation or assistance of other people.

3. Identify deadlines/intermediary time frames related to each activity step and goal attainment.

These could include deadlines for personal goals (sign up for an exercise class by March 1) or work-related goals such as report deadlines (gather needed data to complete quarterly report by March 30). Write these activities and their individual deadlines on your calendar; scheduling them gives you a direction and affirms your commitment to carry them through, step by step. If you need access to libraries, media/computing centers, or other resources, find out their availability before you need them. Plan time in your own schedule to access these resources in advance; don't wait until the day before a deadline occurs.

4. Consider your monthly calendar or planning notebook a timesaving device.

Keep it with you and use it to schedule important activities, due dates, deadlines, and appointments. Consistent use of your calendar will provide you with a visual reminder and help you keep track of your commitments. Periodically review your calendar to assess your progress in accomplishing the steps to your goals. Highlight important dates with a marker; this will keep them visible and can serve as a colorful reminder of your planned steps towards goal attainment.

5. Learn to say "No" to opportunities and requests that take your time and don't move you forward towards goal attainment.

To the extent feasible, saying "no" is an important safeguard of your time. Doing so with courtesy and conviction will make it easier to say "yes" at a later date and simultaneously affirm your commitment to yourself to follow through on your scheduled activities.

6. Identify your own barriers to effective use of time.

If you find you tend to procrastinate (join the human race!), overbook yourself, or "forget" to use a planner or calendar, do some thinking about why. Discovering the motivation for your resistance to time management may assist in understanding your behaviour, or lack of it. Is the task to be done boring? Do you really want to do it?

Do you feel "too controlled" by the use of a calendar or planner? Reflecting on your own thoughts and feelings about using time may help identify areas you may want to explore further, especially if you aren't satisfied with your achievement of personal or professional goals.

7. Strive for a balance between "doing" and "being".

Remember to plan some "fun time" in your schedule. With better time management strategies, you can be more productive, experience improved relationships, and enjoy more "good times" with a minimum of anxiety and stress. Doing "more" is not the ultimate goal of effective time management. More is not necessarily better, and cramming your schedule full of "to do" items doesn't necessarily lead to higher life satisfaction. Effective time management is a tool to assist you to achieve meaningful life outcomes, not merely "more" outcomes. Use the steps presented here as a guide to your own journey of meaningful accomplishment. Good luck!

QUESTIONNAIRE – RO & UF

1. The lubricant which is used for membrane loading is

- a) Oil
- b) Glycerin
- c) Water
- d) Grease

At the RO inlet, the SDI should be

- a) <3
- b) <5
- c) <10
- d) <6.6

• MCF is require at RO inlet because

- a) It can give low TDS load
- b) It can give low TSS load
- c) It can give better life
- d) None

• Preservation of RO membrane is required when you are going to stop the system for

- a) > 1 day
- b) > 2 days
- c) > 10 days
- d) > 15 days

• What is the role of Antiscalent dosing system as a pretreatment to RO?

- a) Dechlorination
- b) Antiscalent
- c) Safety of MCF
- d) None

• Free chlorine can make the membranes

- a) Permanently foul
- b) Clean
- c) Partly foul
- d) More useful

• Symptoms of RO cleaning requirement is

- a) Product flow is high
- b) Product TDS increase
- c) Delta P decrease
- d) Delta P increase

• Main use of UF system is

- a) Removal of bacteria
- b) Removal of suspended particles
- c) Removal of TDS
- d) Removal of hardness

• Chlorine can clean the UF membrane

- a) Yes
- b) No

Types of MOC for UF membranes

• What is the routine cleaning requirement for UF/RO?

- a) Every 2 months
- b) Every 3-4 months
- c) Every 6 months
- d) Every year

• Possible cause against poor quality of RO Permeate

- a) Fouling of membrane
- b) Internal leakage of membrane
- c) Problem in brine seal
- d) Low feed pressure

M.M.Padmanaaban

Sr Manager – Marketing

STAR PERFORMER OF THE MONTH



Mr.Arul Raj – Site in Charge has been appreciated by M/s.India Pistons in Development of Environmental Management Systems. His contribution towards the development & Maintenance of systems of waste water analysis and hazardous waste water management is highly commendable. He also prepared a Training Manual in Tamil for our O&M Operators. Accolades from Aqua Designs.

New Comers in Aqua Designs



Standing L to R

- a) N.Jayaraman- Assistant General Manager- Commercial&Purchase
- b) Henry Daniel Raj – Assistant Manager -Marketing
- c) G.Manikandan-Field Chemist
- d) M.Vivekanandan-Engineer-Projects
- e) G.Sethu – Manager HR & Admin
- f) B.Hemelda-Executive-Accounts

"Our water does many amazing things, so conserve it, preserve it, and enjoy what it brings."

Aqua Designs India Limited

Bringing Purity to Your Lifestyle



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