

Environmental Tips

Waste Prevention

The critical first step of waste prevention has been overshadowed by a focus on recycling. Promote a greater awareness of the importance of the "Reduce" part of the Reduce-Reuse-Recycle mantra.

• **Simplify:** Simplify your life as much as possible. Only keep belongings that you use/enjoy on a regular basis. By making the effort to reduce what you own, you will naturally purchase less/create less waste in the future.

• **Reduce Purchases:** In general, think before you buy any product - do you really need it? How did the production of this product impact the environment and what further impacts will there be with the disposal of the product (and associated packaging materials)? When you are thinking about buying something, try the 30-Day Rule -- wait 30 days after the first time you decide you want a product to really make your decision. This will eliminate impulse buying.

• **Tree-Free Home:** As much as possible, create a tree-free home:

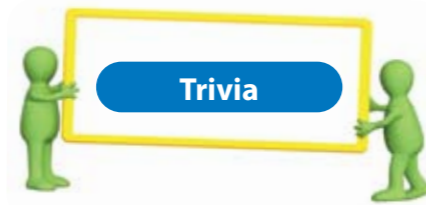
- o Replace paper napkins with cloth napkins
- o If you print documents, print on once-used paper and/or bleach-free, recycled paper with the highest post-consumer waste content available (or hemp/alternative-source paper, if you can afford it)
- o Make your own cards/letters from once-used products or handmade paper

• **Bulk Purchases:** Avoid products that are packaged for single use (i.e., drinks, school lunches, candy, cat and dog food, salad mixings, etc.). Instead, buy in bulk and transfer the products to your own reusable containers. Many health food stores have bulk bins where they sell everything from grains to cereal to cleaning products.

• **Avoid Trash:** Avoid creating trash wherever and whenever possible: when ordering food, avoid receiving any unnecessary plastic utensils, straws, etc. (ask in advance), buy ice cream in a cone instead of a cup, don't accept "free" promotional products, buy products with the least amount of packaging, etc. Every little bit of trash avoided does make a difference!

• **Shopping Bags:** While shopping, if you only buy a few products skip the shopping bag. For larger purchases, bring your own.

Retrieved from: <http://www.globalstewards.org/ecotips.htm>



Trivia

10 reasons you aren't rich...yet

Many people assume they aren't rich because they don't earn enough money. "If I only earned a little more, I could save and invest better!" ...they say.

The problem with that theory is they were probably making exactly the same argument before their last several raises. Becoming a millionaire has less to do with how much you make, it's how you treat money in your daily life.

The list of reasons you may not be rich doesn't end at 10. Caring what your neighbors think, not being patient, having bad habits, not having goals, not being prepared, trying to make a quick buck, relying on others to handle your money, investing in things you don't understand, being financially afraid and ignoring your finances.

5 more possible reasons you aren't rich:

1. You care what your car looks like: A car is only a means of transportation, instead it is considered a reflection of status.

2. You feel entitlement: If you believe you deserve to live a certain lifestyle, have certain things and spend a certain amount before you have earned to live that way, you will have to borrow money. That large chunk of debt will keep you from building wealth.

3. You lack diversification: There is a reason one of the oldest pieces of financial advice is to not keep all your eggs in a single basket. Having a diversified investment portfolio makes it much less likely that wealth will suddenly disappear.

4. You started too late: The magic of compound interest works best over long periods of time. If you find you're always saying there will be time to save and invest in a couple more years, you'll wake up one day to find retirement is just around the corner and there is still nothing in your retirement account.

5. You don't do what you enjoy: While your job doesn't necessarily need to be your dream job, you need to enjoy it. If you choose a job you don't like just for the money, you'll likely spend all that extra cash trying to relieve the stress of doing work you hate.

Be on the lookout for our next issue for more do-nots!

Retrieved from: <http://finance.yahoo.com/banking-budgeting/article/105934/10-Reasons-You're-Not-Rich>



Ramadan Gathering

ADSSC employees, contractors, suppliers and interested stakeholders were invited to Ramadan Iftar gatherings in Al Ain and Abu Dhabi, during the holy month.

ADSSC Managing Director and Management team hosted these events.



Al Ain Iftar



Abu Dhabi Iftar



Send your comments, suggestions, stories and news items to the Elements team:
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elements

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Corporate News

ADSSC Corporate and Process Risks Management

Performance driven organizations achieve their key objectives based on the ability to identify and effectively manage key Business Risks. The management of these risks is essential in order to align organization's performance with its objectives and initiatives.

To be effective, Risk Management needs to extend across all of the organization in a consistent manner and become embedded as a standard management process.

ADSSC is currently working on a Risk Management project which involves identifying key corporate level risks as well as process level risks and controls. The project is led by Zillay Ahmed and includes the following members from Ernst & Young:

- Michael Green
- Gautam Gandhi
- Lara ElKhayat

Objectives of this project

- Identification of key corporate level risks.
- Identification of key process level risks and controls.

Approach - Corporate Risks

- Understand the strategies and initiatives of ADSSC.
- Customize risk probability and impact measures.
- Document key risks.
- Conduct interviews with key management to discuss key corporate risks.
- Facilitate risk validation and prioritization workshops.
- Prepare risk dashboards and heat map.

Approach - Process Risks and Controls

- Document key risks in ADSSC processes.
- Conduct interviews with process owners to discuss risks/ controls and improvement opportunities.
- Prepare risk dashboards.

This exercise commenced in April 2008 and is approximately 65% complete. Over the next two months a final corporate risk workshop will be held and meetings will be held with process owners to discuss risks/ controls and improvement opportunities for ADSSC processes.

If you require any further information relating to this project then please do not hesitate to contact Zillay Ahmed.

BOOT

Second Build-Own-Operate-Transfer (BOOT) contract for 2-new waste-water treatment works has been awarded by ADWEA.

Commenting on this major achievement, ADSSC Managing Director Alan Thomson said, "Award of this second BOOT contract is in accordance with ADWEA and Government of Abu Dhabi's strategy to boost private-public partnerships. The new treatment works will help alleviate pressure on the existing sewerage network and help us cope with the future population growth demands."

Meanwhile, work on the first BOOT contract is progressing satisfactorily, as can be seen in the following photographs.



Concrete Slump Test



Effluent Storage Tank Blinding



Concrete Core Test

International Water Association (IWA) & Water Services Association of Australia (WSAA) Benchmarking Project

ADSSC participation at the International Water Association (IWA) & Water Services Association of Australia (WSAA) Benchmarking Project Share Best Practice conference held in Sydney, Australia during October 2008 was a resounding success. Represented by Adel Lahdan, Mohammad Al Harrasi, Zillay Ahmed and Alia Salem Rashed AlMaqrashi, the ADSSC delegation actively participated in the conference.

IWA-WSAA Asset Management Process Benchmarking project attracted 42 leading world-wide utilities from 7 countries. Middle East participants included ADSSC, ADDC and Oman Waste Water Service Company.

Project highlights were:

- o Phase I comprised of self-assessment deploying the IWA-WSAA propriety Aqua Mark tool, incorporating 7-organizational functional areas. Duration of Phase I was from March - June 2008
- o Phase II comprised of ADSSC site-audit by a specialized team of Consultants engaged by IWA-WSAA. Phase II was completed in July 2008
- o Phase III comprised of the Share Best Practice conference, held in Sydney during October 2008
- o Outcome of the project was published in the Industry Report and ADSSC specific information is presented in the Utility Report

ADSSC specific achievements are summarized below:

- o Leading Practices across all 42-utilities were identified during the course of the project. Two of ADSSC Leading Practices were selected as best practices
- o Selective utilities were invited to present their Leading Practices at the Share Best Practice conference
- o Adel Lahdan presented a paper on "Demand planning in an uncertain high growth environment"
- o Zillay Ahmed participated in the case study workshop on "Growth and Capital Delivery"
- o ADSSC was specially requested to give the welcome address on "Rapid Growth - An Abu Dhabi Perspective", to mark the start of the conference. Zillay Ahmed made this presentation

In a letter addressed to H.E Ahmed Saif Al Darmaki, ADWEA Director of Planning and Development, the ADSSC Managing Director Alan Thomson stated, "Excellency, it is worth noting that Seattle Public Utilities from USA, WaterCare from New Zealand, Melbourne Water and Sydney Water from Australia shared the privilege with ADSSC to give 3-presentations at this prestigious international event."

The MD went on to add, "It is a matter of great pride for us to receive this international recognition. We will endeavor to continue striving for organizational excellence."

New Supply Manager

Under the directives of ADWEA, ADSSC Supply Manager Maha Al Nuaimi has been transferred to TRANSCO in place of Mohammed Al Nuaimi, who in-turn has been appointed as ADSSC's Supply Manager.

Mohammed joined the ADWEA group in 2002. He is a graduate of the class of 1989 from King Fahed University for Petroleum and Minerals in Saudi Arabia.

He has over 18 years of experience in different work environments.

Speaking to **Elements**, he stated "joining ADSSC's team, I aim to work towards the company's further development via the improvement and up-grade of internal current work processes. Consequently, paving the path towards Abu Dhabi's efficient development and growth as a whole".

A father of four, Mohammed leads a proactive life style. Aiming for a healthy way of life, his active schedule keeps him fit and high spirited. He also likes to read books that are intellectually stimulating.

We welcome Mohammed to ADSSC and wish him the best in his coming endeavors.



Program Management Department

In order to streamline the internal ADSSC organization, the Program Management Department has been created. Mr. Shahzad H. Orakzai has been designated as the Manager, Program Management Department (STEP), in addition to his existing role as Manager, Planning & Forecasting Department (AMD). **Elements** team wishes Shahzad good luck in his new role and dual responsibility.



Corporate News

Integrated Management System (IMS) – Project Update

• IMS project documentation phase is 90% complete.

ADSSC will be the 1st of ADWEA's entities to achieve ISO 9001, ISO 14001 and OHSAS 18001 certifications simultaneously, via an integrated approach.

As a part of the OHSAS 18001:2007 standard, a series of workshops on Risk & Impact Assessment were held in September and October 2008. Over 200 ADSSC employees from all Division / Departments, contractors and consultants were invited to attend.

Identification of Occupational Health, Safety and Environmental hazards, review of existing controls and need for additional mitigation measures were assessed by the delegates during the workshops.

MD, Alan Thomson and DMD, Mubarak Obaid Al Dhaheri, as well as Executive Management attended the workshop highlighting commitment to QHSE.



A dedicated IMS training session was held for ADSSC O & M



ADWEA representatives, ADSSC MD and head-office based team members



DMD and Al Ain based team members, contractors and consultants



O & M Division Manager & Projects Division Manager attended

Business Planning and Performance Management (BPPM) – Project Update

ADSSC 5-year Strategic Plan (S009-2013) was finalized and issued to ADWEA in August 2008. Structured in accordance with the Abu Dhabi Executive Council's mandated procedure / template, the ADSSC 5-year Strategic Plan outlines high-level initiatives aligned with the following priority areas:

- Process
- People
- Customers
- Community & Reputation
- Finance

Following the issuance of the 5-year Strategic Plan, all Divisions / Departments were requested to prepare their respective 2-year Business Plans. Salient features of the project include:

- Development / ratification of Divisional / Departmental Mission Statement
- Development of Divisional / Departmental Objectives
- Tabulation of detailed plans

Divisional / Departmental business plans will be consolidated and the 1st ADSSC 2-year Business Plan will be prepared and issued before end 2008.

What's new in IT?!

Fiber Optic Cables in Sewers

A new project is initiated by ADWEA to utilize the sewer networks in aim to install fiber optic cables. A pilot project took off by the end of September to test the system that plans to save millions in costs. As one of its incentives, the system will be employed for water electricity meters and the enhancement of ADWEA's network infrastructure and data transmission.

ADWEA is currently working along side Etisalat having installed sim cards in water electricity meters all around the Emirates. Subsequent to project launch, the sim cards will be replaced by fiber optics.

The high costs of this initiative is balanced in the long run as it will in turn cut down on other expenses.

STEP

STEP Overview

ADSSC has developed a comprehensive plan to accommodate the protected sewage flows far into the future.

The corner stone of the plan is the Strategic Tunnel Enhancement Programme (STEP). STEP is strategic in nature and will be delivered in a period of 6 years. ADSSC has established the following basic principles that underlie the delivery of STEP:

- Incorporate world-class solutions to match Abu Dhabi's strategic ambitions;
- Minimize disruptions to Abu Dhabi residents, tourists and businesses;
- Achieve expeditious delivery to meet critical timescale;
- Consistency with all relevant long range planning including the Abu Dhabi 2030 plan;

A new department entitled, "Programme Management Department" in ADSSC has been created to manage the delivery of STEP. In parallel, ADSSC had earlier appointed CH2M HILL as its Programme Management Office in February 2008.

The focus of STEP is a deep sewer tunnel (the "spine") and several link sewers (the "ribs") to transport the wastewater to the treatment plants. The STEP concept is to use the link sewers to intercept the flows from existing gravity sewers upstream of the existing pumping stations.

By intercepting the flows, the link sewers will relieve the existing main collector system and eliminate the need for up to 27 existing pumping stations, which are nearing capacity and require extensive maintenance. These flows will be channelled by gravity via the deep tunnel sewer to centralized wastewater treatment facilities being procured through BOOT. At these treatment facilities, a single new pumping station will

lift the sewage where it will be treated and reclaimed as treated sewage effluent (TSE) for return to the metropolitan area for irrigation purposes.

Components of STEP

Component #1: The new deep tunnel sewer will extend over 40 kilometers from the existing Main Pumping Stations on Abu Dhabi Island, through Abu Dhabi island and across to the mainland, to the existing Mafraq Wastewater Treatment Plant (WWTP) and then to the vicinity of the Al Wathba Independent Sewage Treatment Plant (ISTP) currently under construction by others. The tunnel will start with a diameter of 4.0m (15km), increase to 5.0m (another 15km) and finally end at ISTPs with a diameter of 5.5m (another 10km).

Component #2: A series of link sewers will be used to connect the existing sewerage system to the new deep tunnel sewer. These link sewers will basically replace the existing pumping stations and pumping mains by conveying flows from the collection system to the new deep tunnel by gravity. The link sewer diameters will range from 800mm to 2.8m.

Component #3: A new pumping station will be constructed at the termination of the deep tunnel sewer just before it reaches the Al Wathba ISTPs site. All the elements of the STEP will be delivered using six (6) design and build contracts.

Current Status of STEP

Prequalification documents are currently being evaluated for finalizing a pre-qualified list for Component #1 of the STEP.

The prequalification documents for Components #2 and #3 were released to the interested parties in mid Oct 2008 and mid November 2008, respectively.



Welcome to ADSSC



Jaime Hermogenes
Assets management



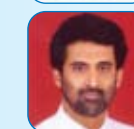
Mohamed Ali AL Hadharem
O&M



Saoud Saif AL Sabousi
Assets Management-Al Ain



Mohamed Ahmad Al Kubi
Projects



Syed Mohd Akhlaq
Assets Information & Standards



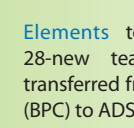
Jamal Zaki Elwan
Payable accountant



Mohamed Rasheel Al Qubaisi
HR



Ayesha Abdulla Al Muharrami
Finance



Rafeea Al Darmaki
Assets performance

BPC Employees Transferred to ADSSC

Elements team welcomes the following 28-new team members recently been transferred from Bainounah Power Company (BPC) to ADSSC.

- Abdulaziz Ahmed Mohd Jaafar
- Salem Mohd Salem Ghanam Al Mansoori
- Ali Salim Ali Al Amri
- Yousif Mohd Amen.b. Khouri
- Yousif Rashed Mohd Salem Al Zaabi
- Abdullah Abul Jumaa Rustom Khouri
- Essa Ahmed Jasem A. Al Jallaf Al Zaabi
- Jasim Abdullah Mohd Saqer Al Maraziq
- Abdul Salam Ahmed Mohd Rafeea
- Ahmed Khifan Jasem Al Zaabi
- Mohd Bati Ghanem Saeed Al Romaithi
- Abdulaziz Hassan Abdulla Rahman
- Omeir Tuwaim Khaled Saeed Al Mansoori
- Saif Saeed Saif Hindi Al Zaabi
- Essa Ateeq Mohd Salem Al Mazrouei
- Ateeq Ahmed Jumah Eisa Al Mazrouei
- Arif Abdullah Mohd Sadiq Khouri
- Ali Salem Abdullah Al Harthi
- Saif Naser Sulaiman Al Busaeedi
- Jasem Hasan Mohd Hasan Jarsan Al Zaabi
- Ahmed Ismail Mubarak Waleed Al Zaabi
- Khalifa Yousef Hasan Yousef Al Aziz
- Ghareeba Khaleefa Mubarak Al Kumairi
- Jasem Mohd Nasser Jasem Al Zaabi
- Issa Naser Ali Saeed Al Zaabi
- Abdullah Maktoom Ahmed Haroon Al Qbaisi
- Jumaa Eid Mohamed Zenaid Al Qubisi
- Khamis Abid Ali Mohamed Hamr Ein