

The official News Letter of the AJM Environmental Services Group of Companies

## HUBER Appoint AJM as Australian Agent

**HUBER** of Germany have appointed **A J M** TECHNOLOGY

Environmental Services Pty Ltd as exclusive Australian agent for their full range of products.

Since the 1990's more than 30 Huber machines have been installed in Australia. Huber products are well



Andrew, Udine and Franz Heindl (from Huber) and John K discussing final agreement terms.

known throughout the municipal and industrial sectors for their quality, performance, reliability and exceptional life cycle costs.

AJM's engineering skills, national presence, service, maintenance and support facilities made us the ideal partner for this exclusive agreement. The HUBER equipment fully compliments AJM's existing product range enabling AJM to now supply equipment suitable for all unit

operations in industrial waste and municipal wastewater applications.

Huber equipment is innovative in design with most products being developed by HUBER's internal research and development team. The screenings and grit washing units have been designed to produce solid wastes that meet the tightest of European disposal standards, yet to be introduced in Australia! Other speciality equipment includes Rotamat Screens, Strainpress Sludge Screen, Rotary Screw Thickener and Septic Tanker Acceptance Plants.

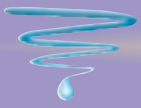
Like all AJM equipment, Huber products are manufactured in stainless steel as standard.

AJM can offer comprehensive technical proposals, cost estimates and full tender specifications for your consideration. Please contact John Koumoukellis at AJM for additional information ([johnk@ajmenviro.com.au](mailto:johnk@ajmenviro.com.au))

### Some of the main products available

- Strainpress® sludge screening
- Rotary Screw Thickeners
- Packaged inlet works
- Grit Washing Plants
- Screenings Washing
- Rotamat® Screens
- Sludge Drying
- Step Screens®





## EVERYONE WANTS A STAINLESS BELT PRESS

AJM's new range of stainless steel belt presses are proving very popular with several orders received since the last issue of *Liquidity*. One of our more interesting projects is for Monroe Springs, NSW, which involves dewatering of metal hydroxide precipitate produced from their trade waste treatment plant. AJM's scope in this case is the construction of a full turnkey plant, including all ancillary mechanical/electrical equipment, installation and commissioning. The AJM TA2E belt press was selected for this application. The TA2 series are a highly economically designed Belt Filter Press ideal for small industrial applications.



TA2E belt press on AJM's factory ready for despatch

Two of our other belt press contracts are for export. One involves the dewatering of waste activated sludge generated from a sewage treatment plant in Hong Kong. The other is a more complicated project involving PCB Heavy Metal Hydroxide sludge. Both of these systems will be using the heavy duty TB Series units. The AJM TB Series Belt Filter Press includes a pre-thickening drum, fully automatic belt tensioning and tracking, air and water pressure switches and bottom filtrate tray. The filtrate tray offers the advantage of not requiring a concrete bund for collection of filtrate and is standard on all TA/TB Series Belt Filter Presses.

AJM's sludge dewatering range, includes Belt Filter Presses, Plate Filter Presses and Decanter Centrifuges, and can dewater even the most difficult to handle sludge. Sludge types include DAF Sludge, Clarifier Sludge, Biological Sludge, Municipal Sewage Sludge, Metal Hydroxides, Food Processing, Abattoir, Dairy, Tannery and Tunneling Waste.

### AJM Queensland winners with AMH

AJM have been awarded a contract to supply and install a 250kl/hr tertiary DAF system, lime dosing and disinfection equipment for Australian Meat Holdings in Queensland. The contract, awarded by Wiley & Co. will be installed at the AMH Dinmore facility that generates wastewater in volumes equivalent to a 300,000EP STP. Wiley & Co recently won several awards in engineering innovation for work conducted at AMH who are reputed to be one of the top 5 food processing organisations in Australia. The system will be completed in June 2003.

### AJM Commissioning Engineers starting to fight again!



It always happens when a project is won in a desirable location. This time not only has AJM been awarded the contract to supply, manufacture and commission an AJM Fine Screening Plant on the beautiful South Stradbroke Island, it is for the exclusive Couran Cove Island Resort. So far John K is looking good for the job but Adrian is claiming the old "I've got relatives there" trick, although we have not seen any evidence of this yet! The AJM Spiral Screen will be treating the raw sewerage and wastewater generated by the resort.

The package includes a raw sewerage inflow tank, doing away with the need for a civil structure to house the screen. The AJM Spiral Screen includes a 6mm perforated screen, main conveying screw and dewatering zone. Screenings are transported above the waste water level and are dewatered in the machines pressing zone. The dewatered solids are discharged to a continuous bagging unit. The unit is fully automatic and is operated by an AJM Control System.

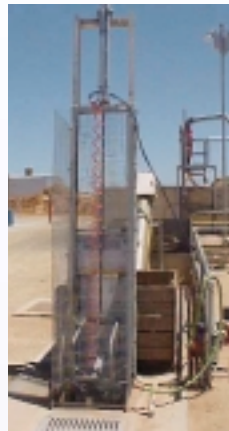
As with all of AJM's range of equipment, the screening system is in complete stainless steel execution, including the inflow tank, screen and conveying screw. The system represents an economical method for screening, conveying and screenings dewatering in one machine.

## K2 Corporation Update

K2's Victorian and South Australian business is booming with several AJM EnviroDAF and wedgy orders and K2's Inchannel Mega Screen.

The Mega Screen is designed for coarse screening of effluent and ideally suited to the removal of large rocks, gravel, potatoes, bottle caps vegetable matter and any large objects that normal screens can't handle.

The bar screen comes as air operated or cable driven and has a range of sizes up to 2M wide with varying bar sizes and apertures.



## More salesmen stories



**AJM's** infamous salesman has been very busy over the last few months trying to spread the Christmas cheer with corporate gifts and playing golf with anyone who remotely resembles a client.

He has also gone and purchased himself a new car and having visited the northern metro suburbs of Sydney, decided that a 4 wheel drive was the latest in fashion accessories. However, after a couple of weeks the guys in the workshop started to give our salesman a hard time about his always spotless 4 wheel drive. So wanting to keep the image going, our salesman decided some serious off road driving was called for.

After much advice from everyone here (much of it misleading) and the loan of a hand winch in case he got bogged, the expedition to the local park was made and our sales man excitedly reported back, many hours later, that he had managed to bog his 4 wheel drive in the sand pit (luckily there were no children playing in it at the time) and had to get towed out. He had also found a small mud puddle and after about 20 circuits at speed the car was finally looking suitably dirty (and thus it remains today as washing it would spoil the image).

Our salesman now considers himself an expert 4-wheel driver and is planning his next expedition to one of the local beaches. In the meantime if you see a very dirty, new 4 wheel drive cruising the streets of Sydney, watchout, as our salesman still thinks that when you flip the switch to 2 wheel drive it brakes and handles like a normal sedan.

## Brain Teaser Competition



Mr Chopopolis has a daughter called Effie to whom he had high expectations for her married life. To marry a rich, good looking man, like a stockbroker or something. Unfortunately Effie had another plan and fell in love with a sludge dewatering expert named John. John and Effie tried to elope to Marrickville but were caught the moment they stepped off the bus.

Mr Chopopolis was mad and decided to test John to see if he was worthy for Effie or was to remain a sludge "Effieless" man. The next day John was invited to Mr Chopopolis' Dulwich Hill house and was shown 9 doors coming off the balcony. Each door led to a single bedroom. One of the rooms contained Effie while the rest of the rooms were either empty or contained a pile of sewage. Above each door was a sign.

This is a list of the signs above the doors:

- Room I: Effie is an odd-numbered room.
- Room II: This room is empty.
- Room III: Either sign on Room V is right or sign on Room VII is wrong.
- Room IV: Sign on Room I is wrong.
- Room V: Either sign on Room II or sign on Room IV is right.
- Room VI: Sign on Room III is wrong.
- Room VII: Effie is not in Room I.
- Room VIII: This room contains sludge and Room IX is empty
- Room IX: This room contains sludge and sign on Room VI is wrong.

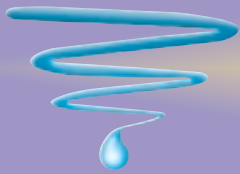
Mr Chopopolis told John, "The sign on the door of the room containing Effie is true; the signs on the doors of all the rooms containing sludge are false; while those on the empty rooms can be either true or false."

Mr Chopopolis then gave John a hint and told him whether Room VIII was empty or not. John must now work out without opening any doors which room Effie is in to be worthy of her hand in marriage and save him from life as a sludge man.

If you can work out which room Effie is in, send your answers with reasoning (a guessed number will not be valid) to [brainteaser@ajmenviro.com.au](mailto:brainteaser@ajmenviro.com.au). The first correct answer received will win a \$100 shopping voucher for their preferred department store and a bonus date with John. (although John says you will have to be female for the bonus prize!)

By the way, for those of you who work for organisations who do not allow prizes and gifts to be received, if you enter and win, we will donate the prize to the charity of your choice. Good luck and it is not easy!





# Back page news

## Music Quiz Results

Thanks to all who responded to our music quiz. We had a total of 56 emails with all correct answers. The rules however were quite clear in stating that the first correct answer received will win the prize, irrespective of the promptness of Australia post or your internal mail service!! Quite amazingly, 2 people sent correct emails at exactly the same time so we had to give them both the prize. For those who did not know all the answers and would like to know what they are, you can find them on our web site. (not enough room here!)

Congratulations to the two winners and thanks to all who participated.

[www.ajmenviro.com.au/competitions.htm](http://www.ajmenviro.com.au/competitions.htm)



Geoff Kendal (pictured) from Water Corp (WA) was one of the winners. The other winner was Lucian Anders from Hume Masterpanel QLD.

Hint....If you are finding the brainteaser in this issue a little difficult, there is a clue on the competitions page on our web site.



## Letters to the Editor

We get quite a lot of feedback on stories and articles published in Liquidity. Most as you could probably imagine are not publishable, however, this one from Mark Biebrick from SA Water scores 10/10 and certainly warrants publication!

"Just read your newsletter. On the bottom left of p3 there is an article about what makes a 'Real Engineer'. The last line states that 'Real Engineers always check calculations in articles such as this one.' That's frighteningly correct. However, this Real Engineer didn't immediately do that. Rather, I noticed an error in the next article at the top right of the same page: 1 000 000 000 000 microphones (not 1 000 000 000) = 1 megaphone

And just to be even pickier, the SI system (Système International d'Unites) does not use commas

between groups of zeros. In writing to you, I've re-read the 'Real Engineer' article (to enable correct referencing of it), and lo and behold - there are errors in the temperature conversions !! I'm sure that the temperature conversion error is a plant. But is the microphone metric conversion also a plant - just to satisfy real engineers?? Do I need to scrutinise the remainder of the newsletter more closely? Should I go back and read the entire newsletter again to find even more errors? What a good way to ensure meticulous reading of a document !!"

.....and a few days later, Mark came back with a further comment.

"I've had it pointed out that there is another error in the Metric Conversion Chart: it is incorrect to say 1 000 000 000 piccolos = 1 gigolo 1 000 000 000 000 000 000 piccolos = 1 gigolo (plus, as one was added, a burnt out tweeter)"

## AJM at the ASHES



No streaking this year Paul?

Once again AJM invited a few select guests to an entertaining day at the cricket. The occasion this time was Day 1 of the ashes where we saw England batting surprisingly well! Wasn't that the only game they won this summer? Everyone seemed to have fun (as you can see from the picture) We were thinking of getting a corporate box for the

world cup in South Africa too but we are just too busy! The SCG next year will be a date and bribes are now being accepted.

If you are reading someone else's copy of this newsletter and would like one just for yourself, let us know and we will add you to our mailing list. On the other hand if you don't want to receive future copies of LIQUIDITY, email us your contact details and we will add or delete you from our list. Address to:

[newsletter@ajmenviro.com.au](mailto:newsletter@ajmenviro.com.au)

- As you may have noticed there are no ads in this issue of LIQUIDITY. Naturally we had people crying out and offering unbelievable amounts of cash for some space but we just had too much of our own stuff to write about. Next issue though, one company may be lucky enough to be considered. If you would like that to be you, you know where to contact us!!!!

ADVERTISING OPPORTUNITIES

### Corporate details:

AJM Environmental Services Pty Ltd.  
Tel: 1300 368 476  
ABN: 96 246 629 191

Members of



Exclusive agents for

**HUBER**

### Head Office:

4/398 The Boulevard,  
Kirrawee NSW 2232  
Tel: 02 9542 2366 Fax: 02 9542 2433

### QLD Office:

AJM Environmental Services (QLD) Pty Ltd  
45 Glenora Street, Wynnum, QLD 4178  
Tel: 07 3396 7757 Fax: 07 3396 5004

### Vic/SA Representative:

K2 Corporation Pty Ltd  
PO Box 2756 Seaford, VIC 3198  
Tel: 03 8796 3926 Fax: 03 8796 3926

email: [ajm@ajmenviro.com.au](mailto:ajm@ajmenviro.com.au)