

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

The Shiniest Belt Press in the World!

The shiniest belt press ever built in Australia has been delivered to a prominent Australian food manufacturer. The AJM TB3-1000L unit was custom designed to suit this particular client's very high quality specifications. Fabricated entirely in grade 316 stainless steel the unit looked quite a spectacle during transport on the back of a semi!

AJM's range of Belt Filter Presses is available in three main types to cater for a variety of applications. Our installations include the food, meat, municipal, chemical and many other process industries.

All AJM Belt Filter Presses are manufactured in 304 Stainless Steel with other materials available on request.

Dewatering of liquid sludge usually results in up to 90% volume reduction hence quite significantly reducing disposal costs.

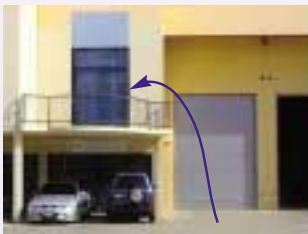


AJM have considerable expertise in the field of sludge treatment. Our range also includes Chamber Filter Presses, Decanter Centrifuges and HUBER Sludge Thickening equipment.



AJM's 9 stage high compression system. (Brad really wanted this picture in so you can see his handy work on the greasing manifold)

AJM (QLD) on the move



Lance's sunbathing balcony!

With the increased number of projects being won by AJM's Queensland office and taking on of additional staff, it has been necessary to relocate to larger premises. The office and warehouse facilities are located at Brendale in the Northern suburbs of Brisbane and provides AJM with the scope to better support our customers well into the future. Now the only problem is finding a decent size snooker table on E-Bay to help fill some of the space!

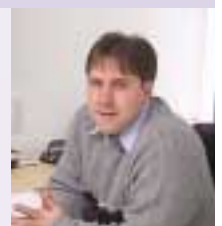
Also Inside.....

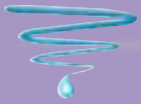
Exporting to PNG, Tasmanian Belt press project, DAF and dewatering packages, a music quiz again, war in Sydney 's NW and an update on K2 Corporation.



New AJM Recruits

AJM welcome aboard two new recruits. Mathew Pugh has joined as project Engineer to help the Sydney offices through their continuously busy workload. Colin Lim has joined AJM QLD also as a project engineer. We wish Mathew and Colin great success over the coming years.





Liquidit

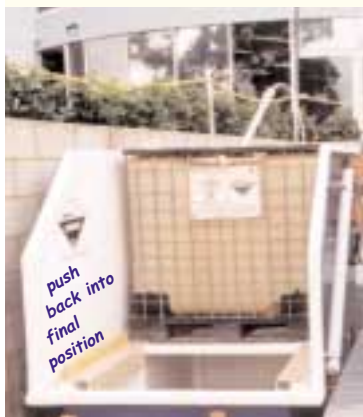
Got some of these?



Then you need some of these!



Bulky Bin Bunds designed specifically for storage of IBC's. Fabricated in fiberglass or stainless steel they are suitable for virtually any chemical including corrosive 8



Exclusive to AJM

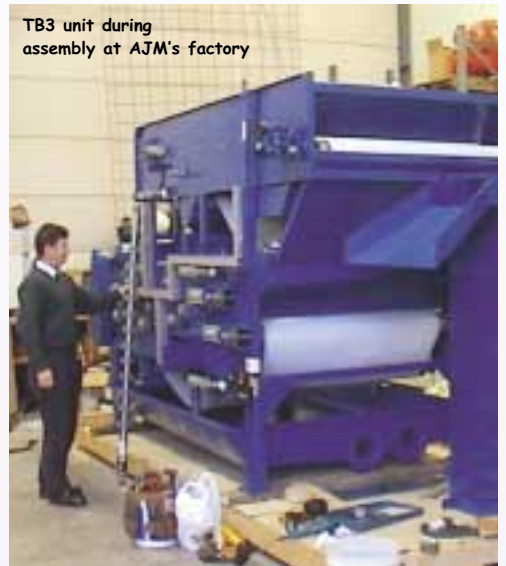
Dewatering Sludge in Tasmania

Simon Engineering have awarded AJM the contract to supply and install a sludge dewatering package for Huon Valley Council. Simon Engineering are currently engaged to design and construct a new STP for The Council in Ranelagh, Tasmania.

AJM's scope includes the supply and installation of a TB3 Series Gravity Belt Thickener and Belt Filter Press complete with a TMP Skid Mounted Polymer Dosing System.

The waste activated sludge generated from the biological process will be thickened on the gravity belt thickener, which discharges to the TB Belt Filter Press for dewatering. The TB Series includes nine compression rollers to maximize the dewatered cake content. The entire machine, including the frame, rollers and drainage pans are fabricated in stainless steel. The TB3 Dewatering Train is a compact machine which can handle high hydraulic loads with direct feed from the aeration process. The belt thickener is mounted over the belt press main frame and the thickened sludge discharges by gravity to the belt filter press gravity zone.

TB3 unit during assembly at AJM's factory



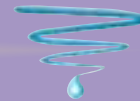
Flocculant is made up and aged in an AJM TMP5000 polymer blending and dosing system incorporating primary and secondary dilution. The equipment will be on site in September 2003. The entire plant is scheduled for commissioning in December 2003!

Simon Engineering, a wholly owned subsidiary of Henry Walker Eltin are one of Australia's leading companies specialising in the design and construction of major processing facilities and wastewater treatment plants.

Another Spot on the Map

AJM have supplied an EnviroDAF1200 for the Arnotts Biscuit factory in Papua New Guinea. The 1200 system is the smallest in the EnviroDAF range and will handle flows ranging from 1KL/hr to 7 KL/hr depending on the wastewater characteristics. As with all AJM DAF systems this model is fabricated in stainless steel. The unit in this case was completely pre-assembled including the electrical control panel, resulting in a virtual plug and play installation! The system was ordered by PMT Water Engineering in Brisbane.





You know you are an Engineer if.....

If you use a CAD package to re-design your IKEA cabinet that would not go together because you do not like reading instructions.

If you don't even know where the cover to your personal computer is.

If you have ever taken the back off of your TV just to see what's inside.

If you own one or more white short-sleeve shirts.

If you have ever saved the power cord from a broken appliance.

If you have a habit of destroying things in order to see how they work.

If the microphone or visual aids at a meeting doesn't work and you rush up to the front to fix them.

If people groan at the party when you pick out the music.

If at a traffic intersection, you try to figure out the synchronization pattern between your car's indicators or wipers and the others'.

If you take along a printout of the schedule of your family holiday.

If you've actually used every single function on your scientific calculator.

If you laugh at jokes about mathematicians.

If you consider ANY non-science course "easy."

If the blinking 12:00 on someone's DVD player draws you in like a tractor beam to fix it.

If you are wine tasting and find yourself paying more attention to the cork screws than the Grange.

Film production treatment plant

AJM recently supplied a fully skid mounted DAF and belt press package to ATLAB, Australia's leading film manufacturing company. ATLAB have relocated their offices to considerably larger "state of the art" premises in Lane Cove, Sydney. Large volumes of wastewater are produced during film manufacturing which becomes contaminated with substances such as Silver, Ammonia, various oils and other particulate matter. The new system will allow recycling of more than 80% of the wastewater stream. The DAF system in this case was an AJM EnviroDAF4800 capable of handling 25,000L/hr, 24 hours a day. Ammonia stripping, coagulation and flocculation is incorporated into the process. The water discharging from the DAF is filtered in a series of sand filters to remove fine particulate matter before being recycled. The DAF sludge and filter backwash water is dosed with a flocculant from an AJM PBT polymer blending unit and delivered to an AJM TB500 belt press. As with all AJM Belt presses, the TB500 is fabricated in stainless steel and will produce a dry spandable cake. Ben Share, Project Manager, visiting Australia from Canada to manage construction of this new facility, was extremely pleased with the quality of equipment and AJM's service.



AJM's DAF and belt press during construction

Music Quiz

Yes, another one! Seeing as the last music quiz was so popular, we decided to go for it again. This time lyrics from some well known, some not so well known, some good and some awful songs have been listed below. All you have to do next time you are bored is a) work out the name of the artist and the song, then b) write your answers on an email and send to musicquiz@ajmenviro.com.au

The first email received with all correct answers (or most correct as we will be surprised if someone gets them all!) will win a \$100 Sanity Music Voucher Prize.

If you win and send a picture of yourself we may even publish that too in the next issue. Only emailed replies will be accepted.



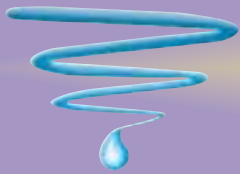
Good luck!

- a) I don't like cricket I love it
- b) remember me to the one who lives there
- c) I'm begging you darling please
- d) a smash of glass and a rumble of boots
- e) he's got the action he's got the motion
- f) I swear I left her by the river
- g) thought she was James Dean for a day
- h) lets play twister, lets play risk
- i) you make everything groovy
- j) American Express will do nicely thank you
- k) my loneliness is killing me
- l) on a ship tied to the mast



Membrane Filtration Plant under Construction

John Thompson Engineering has awarded **AJM** the contract to construct a large membrane filtration plant for the Fyshwick Effluent reuse facility in ACT. The plant will be operational early 2004.



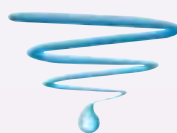
Back page news

Fighting in Sydney's NW

One freezing cold winters day in Sydney's North Western Suburbs last month a battle was taking place. This was no normal battle, in fact the opponents knew each other. Some say they were even friends, but pointing a gun that propels (frozen) paint balls at several hundred km/hr at someone proved to be a good way of destroying relationships. Adrian won the prize of shooting the most rounds, he used up more ammunition in the first battle than most did during the entire day! Thanks to Adrian, records were broken for buying the most amount of paint balls for a 20 man event.....more than 50,000! We were hoping to get some photos of the bruises but unfortunately most were not publishable due to their bodily location (or the fact that no one was game enough to show!). If you are daring enough and would like to attend AJM 's next corporate function send us you details and we will put you in the draw. It may however be something a little more serene next time. I am still sore...Ed



We will tell you about the AJM QLD go-carting day in the next issue. Sorry ran out of room.



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Letters to the Editor

The following was an email received from a colleague who wished to remain anonymous (probably embarrassed to be known to be a regular liquidity reader!) The article responded to the question of "sewage or sewerage?" posed in the previous issue. This is how it went:

Assuming you take the necessary precautions -safety and the environment first -and only if you have to, or it takes your fancy, you can produce both sewage and sewerage (although not usually at the same time!).

- You can treat sewage and sewerage.
- You can carry out maintenance on sewerage but not sewage.
- You can be in sewage and sewerage. But in the sewerage is just better than in the sewage.
- You can fling both sewage and sewerage (only if the sewerage is above ground and you try hard enough!).
- You can be covered in sewage, but not sewerage.
- Old sewage and sewerage usually stinks.
- New sewage usually stinks. New sewerage usually doesn't (at least it doesn't stink like sewage).

Sewage is the waste carried in the sewers. Sewerage is the system of sewers or the removal of waste by means of sewers. So the sewage goes down the sewerage.

Hope this helps.

From an Ex Water & Sewerage Engineer (note: not a Sewage Engineer)



K2 Corporation, who exclusively represent AJM in Victoria has been having great success recently securing projects for a chrome on plastic WWT project for DMG Industries, Haymes Paint at Ballarat with a AJM Autobatch AB-2000-P, Tenex for a packaged sewer chemical dosing system and Umicore in Melbourne for a plant to remove Zinc from storm water.



You can visit K2 's Chris Stanley (with surprise guests from AJM) at K2 's stand at AUSPACK 2003 at the Melbourne Exhibition and Conference Centre from 30th Sep to 3rd Oct 2003.



Liquidity Special Edition available now!

A special edition of **Liquidity** was released a few weeks ago. This special edition focused on on the **HUBER** range of equipment. The magazine, written (almost) entirely by Mr John K is a fine read and suitable for tea breaks, smoko's, bedtime or even the loo. If you did not get one, send him an email. There are a few left....and it is free!!

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