

# in the stock trough - the benefits of DELTA technology



**Delta**water  
solutions

fact sheet 11



**DELTA water treatment is proving a winner for Australian farmers desperate to provide water for thirsty stock. Circumstances demand that properties in rural Australia – both large and small – have highly efficient pump and piping systems in place to make the most of our country's scant water supplies. Getting water to sheep, cattle and other range animals during our hot summers is crucial and DELTAwater solutions is helping make the job easier.**

## CASE STUDY

**Angus stud owner Netta Holmes Lee says the DELTA water treatment system has brought quality water to her cattle, reliability to her reticulated watering system and peace to her mind.**

The Wellington district farmer installed her first unit at her NSW property 'Noonee Nyrang' in 2005 after pipes supplying her troughs blocked due to scale build-up from hard bore water. "We totally rely on a bore for our livestock," Netta says. "We basically did a major upgrade of that system in 2001 and within 18 months some of those new pipes were starting to block with the calcium carbonate. At its worst we had an inch and a half pipe completely blocked in that time."

Reduced flow, regular maintenance to 'blow out' the pipes and fear that stock would suffer all added up to a major headache, especially in hot summers.

***"I knew we had to look at a better way to deliver our water,"  
Netta says.***

So Alex Panov from DELTAwater solutions arrived with a plan. He developed a farm-wide strategy for Netta to roll out for her network of tanks, pipes and troughs over several years. He started with the worst pipe, installing a CU40-G4 DELTA unit on the tank outlet at the head of the pipe with the biggest scale problem. Netta followed his recommendations and fitted the pipe, which fed five paddocks, with several flushing outlets.

"In the first month, with the combination of the DELTA treatment and regular flushing, we could see the calcium's white powder and small flakes coming through the pipe," Netta says. "We had very little trouble after that. We could see it was going to work and that it was worth going ahead. We've now got six units in strategic places and flushing outlets on those lines as well."

Netta is now considering whether to install the DELTA water technology at a new block she's bought nearby. She has about 240 cows with calves at foot, 100 heifers and 80 young bulls on Noonee Nyran, which she's run since 1998. The stock workload is enough without the excessive maintenance once needed to keep the reticulated water supply running smoothly.

"By the time you've used up three or four days, with two people, to blow out the pipes it makes the cost of the DELTA units seem pretty cheap in comparison," Netta says. "The other thing is the peace of mind. The problems always seem to occur during the hottest time in summer when the cattle need the most water. Now I don't have to worry about suddenly finding a blocked pipe."

***"I've seen first-hand that it works, saves lots of time and lots of worries," she says.***

***"I'd certainly recommend it to fix the scale problem in pipes. And I'd also like to say we've found Alex extremely helpful too."***



*better water naturally*

1800 283 600  
[www.deltawater.com.au](http://www.deltawater.com.au)

Water treatment technology helps combat the problems of calcium and scale build-up in pipes, recirculation and irrigation systems as well as in swimming pool pumps, filters and on pool surfaces.

**They prevent restriction and blocking in:**

- > Micro irrigation systems
- > Drip-tube irrigation systems
- > Drip-tape irrigation systems
- > Large-scale irrigation systems

**Allowing:**

- > Minerals to crystallize in the water

**Instead of:**

- > Inside pipes and on surfaces

**DELTA treated water is particularly good for recirculation systems such as:**

- > Evaporative air-conditioners
- > Swimming pools
- > Water cooling towers
- > Stock watering systems
- > Household plumbing
- > Hot water heat exchangers
- > Irrigation systems
- > Some solar hot water systems

***With DELTA - once a pipe or surface is clean, it stays clean!***



## CASE STUDY

### Proof in the pigs

**Redbank farm manager Darren Jenke reckons the proof is in the pigs.**

Since installing the DELTA water treatment technology on the Lucindale district farm's southern irrigation system in late 2010, he's seen a dramatic reduction in iron build-up in the main-line pipe.

The cleaning pig, a foam cylinder that cleans under pressure along pipes, has had less work and the DELTA technology has cut maintenance time and power costs.

He's also hopeful the DELTA unit will help reduce salinity problems on the property, run predominantly as a sheep, cattle and prime lamb business.

Darren installed the DELTA technology in a bid to reduce Redbank's growing problem of a half-inch-thick iron build up on the inner walls of irrigation pipes plus help alleviate salinity issues.

The maintenance-free DELTA unit sits on a main pipeline fed by two bores at the 4000-acre property's southern end. About three kilometres of pipeline, the bulk of it with a 10-inch internal diameter, carries water to three centre pivots.

A third bore at Redbank's northern end feeds another three pivots and Darren says the difference now between the southern pipeline and its untreated northern counterpart is definitely noticeable.

He's pigged the northern line three times and needed to give the pig three runs to clean away iron build-up. But when they pigged the DELTA-treated southern end, Darren says there was a 'considerable difference' between it and the northern end.

"On the southern end we ran the pigs through once and it came through cleaner than the northern end looked after the third time."

Darren says iron build-up had become more of a problem over the years.

***"Our DELTA unit's well and truly worked on the iron side of it," Darren says. "We'll look into putting another one at the northern end of the property. It's definitely something we'll look into for sure."***

*Scum, sludge, grime, muck, grunge, slag and slush! Take your pick! They all mean roughly the same thing to people and industries battling pipe and soil problems caused by poor-quality water supply.*

*Mineral build-up in pipes, plumbing and equipment and salt and mineral-laced water are a constant headache for many.*

*So our Hunter Valley-based company set about developing magnetic water-treatment technology for everything from the house next door to large-scale irrigators, wineries, fruit and vegetable farms, mines, sporting grounds, nursing homes, swimming pools, drip irrigation systems, gardens and abattoirs.*

*DELTA technology is environmentally friendly, pollution and maintenance free, incurs no chemical, maintenance or energy costs, leaves no carbon footprint and has a service life of more than 25 years. All DELTAwater solutions products have a 100% money back guarantee.*