

REID & HARRISON™

SERVICES & EFFLUENT SOLUTIONS



**AN
EFFLUENT
SYSTEM
DESIGNED &
INSTALLED FOR
YOUR NEEDS**



**EFFLUENT
POND PUMPING,
SPREADING
& ON-FARM
SYSTEM
MAINTENANCE**



**PROVEN
EFFLUENT
PRODUCTS
THAT WORK**



**EFFLUENT
EQUIPMENT
REPAIRS, &
SPARE PARTS**



REID & HARRISON™ **Services**
& Effluent Solutions

OUR HISTORY

Reid & Harrison was originally started by Ken Reid, the inventor of the Yardmaster Pump. Always based from Matamata, it has its roots from general engineering that refocused on servicing the dairy industry, particularly for Dairy effluent management. The current owners, the Dalley family trace their involvement back well over 50 years ago when Bob started in the business as a 17-year-old.

The Reid & Harrison Services team was formed to better recognise their role in on-farm based support for the local farming community.

In February 2016, Reid & Harrison bought the Waharoa based Environmental Technologies business and integrated this into their Matamata operations. Since then, the focus has been on

developing the product range, services offering and the needed resources to offer a complete effluent solution to the wider Matamata area. This includes all design aspects starting with pond/tank storage calculations to project managing and implementing the full install. With 4 accredited designers, an electrical automation specialist and a specialised team of installers and service people, you need to look no further for your effluent solution. Recently the third generation Dalley, Clayton has joined the team to ensure the legacy continues.



Bob Dalley & 3rd Generation - Clayton

OUR SERVICES INCLUDE



EFFLUENT SYSTEMS

FDES Accredited Systems
- Design / Installation
Pond Calculations
Distribution Infrastructure
Storage Solutions
Separation Solutions
Electrical & Automation

EFFLUENT SERVICES

Oxidation Pond Cleaning
Herd Home Cleaning
Sump Cleaning
Trenching
On Farm Servicing & Maintenance
Electrical Services

EFFLUENT PRODUCTS

Yardmaster Effluent Pumps
Yardmaster Effluent Stirrers
Fan & Yardmaster Effluent Separators
Yardmaster Effluent Management
Hydrants & Manifolds
Travelling Irrigators
Sprinklers & Rainguns
Hoses & Fittings

FARM SUPPLIES

Reid & Harrison Farm Supplies
- Equipment Repairs
- Spare Parts



BENEFITS OF REID & HARRISON SERVICES:

- ✓ Experienced staff who have specialist effluent industry knowledge.
- ✓ The Matamata factory has full fabrication, machining and stainless capabilities.
- ✓ Accredited farm dairy effluent system design if required.
- ✓ Reid & Harrison business roots goes back over 60 years.
- ✓ We carry a wide and extensive range of spare parts.
- ✓ Our field crew are a no nonsense, hardworking team.

EFFLUENT SYSTEMS

DESIGN



FDES ACCREDITED SYSTEMS DESIGNED FOR PURPOSE, INSTALLED TO SPEC



We are one of only a few companies accredited to design dairy effluent systems that meet industry standards and codes of practice. We supply and install systems and equipment, and provide full after sales service and support.

WHAT DOES THE TICK MEAN FOR YOU?

The green tick means your system design can be completed to best industry practises. Companies with the Green tick have been assessed for their competency and skills in:

- ✓ Regulation and legislation
- ✓ Effluent block allocation
- ✓ Integrated management systems
- ✓ Soils and climate considerations
- ✓ Calculating pond storage volume
- ✓ Hydraulic design of irrigation systems.

Ensure systems achieve dairy industry and wider communities expectations for the land application of dairy effluent. On completion you will have documentation to show system design calculations to show compliance. You have our organisations ongoing support to give you peace of mind.



GET COMPLIANCE WITH POND/TANK CALCULATIONS

The Pond/Tank calculation is run on the Dairy Effluent storage calculator.

To have credibility, Dairy NZ recommends it be run by a professional who has an appropriate certification. The calculator determines your farms storage requirement for Dairy effluent after looking at your farm inputs and rainfall/evaporation history.

Your local compliance authorities normally ask for evidence of this calculation. We provide this service and will work through the scenarios with varying inputs to calculate the best outcome for you.

Even better, if you move on to an effluent system install with us based on the calculation, we will credit the cost of the original calculation service.

FOR ALL SYSTEM DESIGN & ON-FARM SYSTEM INSTALLATION ENQUIRIES

TALK TO DANE

R&H SERVICES MANAGER
027 640 8624

Dane is a well-known Matamata local who brings experience from his building background as part of Lowe Builders. This included on farm work with cow sheds and bunkers as well as general building. Coming recently as floor manager of a building supply retail shop, Dane brings a wealth of knowledge and ability to project manage jobs.

As the Reid & Harrison Services Manager, Dane is responsible for looking after all the local customers who need on site effluent work from fixed systems to contract pumping, home herd and sump cleaning and trenching.



EFFLUENT SYSTEMS

INSTALLATION & MAINTENANCE



DISTRIBUTION INFRASTRUCTURE

Distribution infrastructure is selected to deliver the system design outputs in a cost-effective way while ensuring durability and robustness of the system. Includes; effluent equipment, mainlines, hydrants etc.



STORAGE SOLUTIONS

We work with you to find the solution with options such as tanks, ponds, bunker etc based on personal preference, budget, management processes, etc. Pond Calculation Service available for compliance.



TRENCHING

Our trencher is available with an operator and a skilled team for pipework installation.

DID YOU KNOW?

- We can repair most makes of pumps and stirrers not just Yardmaster.
- We can repair almost all brands of irrigators.
- We also service equipment on the farm.
- If the equipment does need factory repair, we can pick up and reinstall for you.

ON-FARM SERVICES: MAINTENANCE MATTERS PROGRAMME

Reid & Harrison are always looking to improve our customers' experiences. Because maintenance really does matter. We are pleased to introduce this new programme, which offers a more proactive maintenance offering for your effluent system and equipment.

- Our first visit is **FREE** where we inspect how the equipment is running and determine the need for further work.
- We will leave a check list of what was inspected. Any further replacement parts, repair or maintenance work needed will be discussed and quoted, if needed.
- You can book further yearly inspections at a fixed cost.
- We evaluate your effluent systems performance and suggest any plans for improvement.



ON-FARM REPAIRS

To keep your effluent system running smoothly we have a mobile servicing team equipped with trucks, hiab lifting capability and a basic mobile workshop.

We will schedule regular maintenance checks, provide an assessment of equipment and systems as needed, or for emergencies will come and repair.

The team are supported by our Designers and skilled Engineers at the Reid & Harrison manufacturing plant.

**ON-FARM REPAIRS
TALK TO DANE -
027 640 8624**

ELECTRICAL SERVICES & AUTOMATION

Doff, aka Jason Doherty is a very experienced and qualified electrician, he is a bit of a guru on automation of systems. He has joined our team to be involved in the full effluent system install and servicing. This enables R&H to offer a full, one stop quote and supply for any system work. From simple protection to full cloud based HALO solutions, Doff is here to help.

**FOR ELECTRICAL & AUTOMATION ENQUIRIES
TALK TO DOFF (TECHNICIAN) -
027 210 4980**



FOR 'MAINTENANCE MATTERS' ENQUIRIES TALK TO CLAYTON - 027 419 1244

EFFLUENT SERVICES

MOBILE PUMPING & SPREADING

ARE YOU UTILISING YOUR EFFLUENT AS VALUABLE NUTRIENTS?

OUR EFFLUENT STORAGE SERVICES INCLUDE:

Our experienced operators can empty your Pond, Sump or Tank. Then, complying with industry guidelines, spread the effluent back to the farm adding a valuable source of nutrients, protecting you and your environment.



POND CLEANING

Our powerful pump and skilled team will quickly remove the solids/sludge from your pond.

- A cost-effective solution with very well controlled coverage and application depth
- Powerful pump situated at the pond.
- Hose reaches up to 1000m from the pond.
- No extra weight on the tractor so minimal ground damage on flat or sloping terrain.

HOME HERD CLEANING

Emptying herd home bunkers is a quick and straight forward exercise.

- Our vertical stirrer makes quick work of breaking up solids along the full length of the bunker.
- No need to remove all the grates, or for digging or scraping equipment.
- Our vacuum tankers remove the effluent and spread directly to your paddocks with controlled coverage and application depth.

SUMP CLEANING

If your tank or sump has become overwhelmed with sand or solids, we can help.

- Our vacuum tanker is effective with the thickest of wet solids.
- If all else fails we have shovels and manpower available to complete the job.
- We can fix the cause of any underlying problem: mechanical or system design.
- Effluent spread with controlled coverage and application depth.

TALK TO TERRY FOR ALL EFFLUENT PUMPING & SPREADING ENQUIRIES

POND PUMPING SUPERVISOR | **027 336 6953**

Born and raised on dairy farms Terry has a wealth of knowledge and experiences that complement his role here at R&H Services as our Pond Pumping Supervisor, as well as over 8 years' experience in the pond pumping game. He organises the emptying of ponds, sumps and herd homes and the safe and efficient application onto the farm paddocks.

Terry is the guy to call to book in the Pumping Services Team.

www.rh-services.co.nz



EFFLUENT

PRODUCTS



PROVEN PRODUCTS THAT WORK

We offer a complete range of products to handle your dairy effluent. We source, manufacture, and support the equipment you need to get the job done.



YARDMASTER PUMPS & STIRRERS

See the full range of products on the next page.

YARDMASTER & FAN EFFLUENT SEPARATORS

Yardmaster® and Fan Separators providing multiple choices to suit your needs.

TRAVELLING IRRIGATORS

Designed and developed for NZ conditions. It's field proven to deliver a long and reliable service life.

SPRINKLERS & RAINGUNS

Our recommended sprinklers and rainguns are particularly suited to high risk soils.

HYDRANTS & MANIFOLDS

Our in-house manufactured hydrants and manifolds are designed for long service life.

HOSES & FITTINGS

All the hoses and fittings you need to build and maintain your effluent and on-farm systems.



CONVENIENT ONE-STOP SHOP

REID & HARRISON FARM SUPPLIES

To keep your effluent system running smoothly, Reid & Harrison Farm Supplies now stocks equipment, parts, accessories and fittings from industry brands including...



REPAIRS & SERVICE

The Yardmaster Repairs & Service is co-ordinated from the Reid & Harrison Farm Supplies building. Our specialist Factory staff will promptly assess and repair your equipment as well as provide advice on any operational issues. You are in good hands with the team who make the Yardmaster and ETL equipment and who also have experience with a wide range of effluent products. Book in your service and either drop it off yourself, or arrange for us to come and collect and reinstall.

TALK TO MARTIN FOR ALL PRODUCT RELATED ENQUIRIES

PRODUCTION MANAGER | 021 432 408

While it's not true Martin was born at the Reid and Harrison factory, he did start working there after school while he was going to Matamata College.

With over 40 years 'hard labour', Martin has extensive knowledge about the Yardmaster range, runs the factory ensuring products are made on time to the best quality, is the go-to-guy to book repair work and happy to help you out for any product enquires.

www.rh-services.co.nz



YARDMASTER® PRODUCT RANGE

EFFLUENT PUMPS

FOR 'PROCESSED' IRRIGATION



Multi-stage Vertical

IDEAL FOR
• Floating Frames
• High efficiency /pressure
• Green water / small solids

Multi-stage Horizontal

IDEAL FOR
• Flood feed applications
• High efficiency /pressure
• Green water / small solids

Self-Priming Multi-stage

IDEAL FOR
• Shore Mounting
• High efficiency /pressure
• Green water / small solids

Progressive Cavity (PC)

IDEAL FOR
• Constant flow
• High efficiency
• Green water / small solids

FOR IRRIGATION & TRANSFER



Horizontal Pump

IDEAL FOR
• Flood feed applications
• High speed Irrigation or transfer pump
• Green water with solids

Vertical Pump

IDEAL FOR
• Floating Frames
• High speed Irrigation or transfer pump
• Green water with solids

Extender Pump

IDEAL FOR
• Deep Sumps
• High speed irrigation or transfer pump
• Green water with solids

TRANSFER



Trough Pump

IDEAL FOR
• Emptying of troughs
• Water with solids

EFFLUENT PUMPS

FOR VOLUME TRANSFER



High Volume Pump

IDEAL FOR
• Volume transfer
• Green water with solids

Heavy Duty Pump

IDEAL FOR
• Volume transfer
• Liquid with solids
• Industrial applications

PTO Pump

IDEAL FOR
• Volume transfer
• Green water with solids

SUBMERSIBLE



Submersible Pump

IDEAL FOR
• Feeding mechanical separators
• Transfer pump
• Green water with solids

STIRRERS

FOR TANKS, SUMPS & PONDS



Vertical Stirrer

IDEAL FOR
• Floating Frame mounting
• Smaller ponds or round tanks

Right Angle Stirrer

IDEAL FOR
• Floating Frame mounting
• Large ponds
• Strong agitation

Shore Mounted Stirrer

IDEAL FOR
• Shore Mounting
• Large ponds
• Safe access

SUBMERSIBLE



Submersible Stirrer

IDEAL FOR
• Small sumps or tanks
• Easy access when fitted with a Yardmaster lifting frame

SEPARATORS



Inclined Screw Separator (YS)

IDEAL FOR
• Entry level separator
• Easiest installation in existing effluent systems
• Handles most duties
• May be used as primary separator

Rotary Drum Separator (RDS)

IDEAL FOR
• Low power requirements
• Moderate dry solids
• Low wear & maintenance

Static Screen Separator (SS)

IDEAL FOR
• No power
• No moving parts
• Can be used as primary separator

EFFLUENT MANAGEMENT



Yardmaster HALO SUPERSMART Monitoring & Control

IDEAL FOR
• Flow control for varying applications
• Control of irrigation rates
• Control by cell phone
• Flow protection

ACCESSORIES



INCLUDING
• Floating Frames, Lifting Frames & Platforms
• Trough Pump
• Inline Cutter & Blades
• Automatic Greaser
• Float Control Switch
• Headworks
• Wash Down System & MORE

REID & HARRISON **Yardmaster**
Pumps & Systems

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www.yardmaster.co.nz

Reid & Harrison Group Businesses

**REID &
HARRISON™** | **Yardmaster®**
Pumps & Systems

**REID &
HARRISON™** | **Services**
& Effluent Solutions

**REID &
HARRISON™** | **Industrial**
Heavy Duty & Stainless Engineering



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