

**REID & HARRISON™**

# SERVICES & EFFLUENT SOLUTIONS



**EFFLUENT  
SYSTEM -  
DESIGN,  
INSTALLATION,  
MAINTENANCE**



**EFFLUENT  
SERVICES -  
COVERING  
POND PUMPING  
TANKING, MUCK  
SPREADING**



**PROVEN  
EFFLUENT  
PRODUCTS**



**FARM  
SUPPLIES -  
CONVENIENT  
1-STOP SHOP**



**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, Bob and Seaton Dalley trace their involvement back 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 and workshop 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. The pond pumping, trenching and herd home pumping services have complemented the existing service workshop known for its quick and efficient pump and effluent equipment repairs. Also added to the portfolio were the product lines of irrigators, hydrants and weeping wall panels. With full accreditation for Effluent Systems design, R&H have the resources and the team for a full system design, installation, commissioning and maintenance for the local area we service. Also backed by the Yardmaster Factory resource, there is some real muscle power here for any job.

In March 2019, Reid & Harrison bought the Morrinsville based Pond Pumping business from Hitech. With two complete pond pumping systems and a further 4 staff to operate these, they combined with existing Matamata Pond pumping System and two tanking units R&H already had. The result is a highly resourced and focused team that looks after the wider Piako/Matamata/Waikato area. This complements R&H's on farm effluent systems servicing capability.

## OUR SERVICES INCLUDE



### EFFLUENT SYSTEMS

FDES Accredited Systems - Design / Installation  
Effluent System W.O.F  
Distribution Infrastructure  
Storage Solutions  
Separation Solutions  
Electrical & Automation

### EFFLUENT SERVICES

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

### EFFLUENT PRODUCTS

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

### FARM SUPPLIES

Reid & Harrison Farm Supplies



## 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 YOUR EFFLUENT SYSTEM W.O.F

The Effluent WOF programme is insightful and practical, covering the entire effluent system.

We arrange a Warrant of Fitness (W.O.F) Assessor, certified by Dairy NZ.

A 3-4 hour assessment covers the farm's effluent consents and permitted rules, the storage capacity, nutrient loadings,

soil risk, irrigator performance, off-pasture infrastructure and general health and safety requirements.

Assessors points out areas of risk and suggest practical actions a farmer can take to ensure their system is capable of being compliant 365 days a year.

### FOR ALL SYSTEM DESIGN, ON-FARM SYSTEM INSTALLATION & MAINTENANCE 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.

**SEPARATION SOLUTIONS**

Depending on how much solids separation is required to suit your system and/or irrigation preference, options include; stone traps, weeping walls and mechanical separation.

**TRENCHING**

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

## ON-FARM SERVICES:

### ON-FARM SERVICING & MAINTENANCE

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.



**RELIABLE SKILLED WORKERS**

Based from their well-equipped Matamata site, Reid & Harrison Services has the team and the equipment to support all your effluent management needs.

With experience in pond pumping, trenching, repairs and maintenance of effluent equipment to full effluent systems design and installation, our friendly and reliable service is also backed up with additional staff and resources from the Reid & Harrison Group of Companies



## 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**



**EFFLUENT SERVICES**

# MOBILE PUMPING & SPREADING

## ARE YOU UTILIZING 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](http://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, SEPARATORS

See the full range of products on the next page.



### YARDMASTER EFFLUENT MANAGEMENT

Yardmaster® HALO® is a monitoring, control and management tool providing data 24/7 on any smart device.



### 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.

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# 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



NEW

#### 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

BY REID & HARRISON (1980) Ltd  
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[www.yardmaster.co.nz](http://www.yardmaster.co.nz)

Reid & Harrison Group Businesses

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

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

**REID &  
HARRISON™** | **Stainless**  
Stainless Engineering



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