

**G J Beard**



**International**

# Wastewater Treatment Systems . . .

. . . Fully Guaranteed!

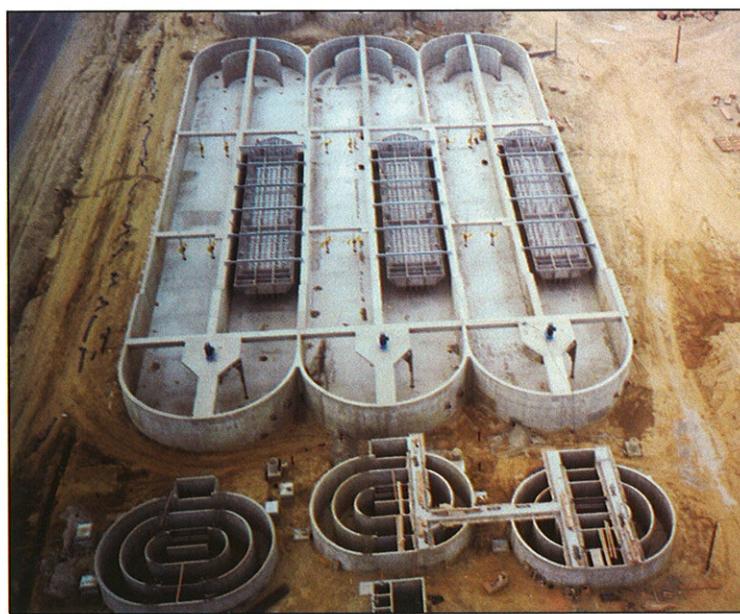
## Guaranteed Effluent Quality

After the establishment of governmental agencies, which promulgated new environmental legislation and standards, effluent criteria for discharge permits have become increasingly more stringent. Future standards for both effluent water and sludge will become even more difficult to meet. Conventional methods of engineering and construction do not provide an owner with proper safeguards or guarantees. Faulty designs or poor construction techniques have hampered owners from successfully being able to meet discharge standards, once their treatment facilities begin to approach design capacity.

Beard International, Inc. has pioneered a new approach in solving this wastewater treatment dilemma. By pre-selecting the best possible treatment technologies and through unique arrangements with the premier manufacturers, Beard International can bring together the best wastewater treatment technologies and provide 100% guarantees to the owner. These technologies are provided in conjunction with pre-established engineering criteria to create a treatment system which can generate effluent water which can meet the strictest of standards . . . guaranteed! A customized program can be created which will meet an owner's specific criteria and requirements.



*This facility in Florida generates water which is utilized for the irrigation of a prestigious golf course. The water can also be distributed to users of reclaimed water.*



*This facility is the first phase of a 28 mgd treatment facility which will produce reclaimed water for users in Southern California. The cost of the entire project, as well as the plant's performance, was guaranteed to the owner.*

## Guaranteed Project Costs

Conventional engineering/construction methods do not provide an owner with any assurances of ultimate project costs. Change orders during construction and problems with engineering designs or poor construction techniques can cause high cost overruns.

Beard International has developed a methodology of combining proven engineering designs in conjunction with pre-selected equipment and technologies. This combination, along with sound project management during construction, enables the owner to receive a 100% guarantee of the entire project cost . . . including engineering, supervision, construction, and change orders.

# Single Source Responsibility

Engineering • Construction • Equipment • Start-up • Operations • Finance

## Engineering and Construction

Conventional engineering/construction methods can be slightly modified if an owner decides to use this methodology to design and build a wastewater treatment facility. An owner can also utilize the services of competent consultants which may be currently under contract. These consultants can be hired by Beard International to assist in the compilation of necessary designs and specifications in conjunction with preselected equipment and technologies.

Beard International can also provide the owner with turn-key or "hybrid turn-key" programs. Full privatization programs can also be offered where ultimate ownership can be at the discretion of the user agency. Financing of such programs is also available, depending upon the site specific conditions. The owner can also lease-purchase the equipment under other unique programs.



*Equipment can be lease-purchased for new facilities or retro-fitted into existing treatment plants.*



*High-quality effluent can also be injected back into ground water aquifers.*

## Equipment and Technologies

There are several technologies and systems which, when combined together, create a very effective method of wastewater treatment. These technologies can be preselected and, through the various license and OEM agreements of Beard International, can be provided to the owner with the proper guarantees. Computer programs utilizing these technologies can also expedite the time allotted for engineering and design.

## Start-Up and Operations

The licensed plant operators and biologists of Beard International can assist in the start-up and operations of the treatment plant. These personnel can also train the existing staff of a user agency. Under the management of Beard International, effluent standards can be guaranteed.

Beard International can also finance, design, build, own, and operate a treatment facility, thereby providing the user agency with a program where all of the problems associated with wastewater treatment have been eliminated. This type of privatized program also allows the user agency the option to purchase the facility after successful start-up.



*Innovative processes, superior engineering, and exceptional construction techniques have been combined with well-trained operators to create award-winning facilities.*

# Customized Programs . . .

. . . to meet an owner's specific needs.

## Site Specific Applications

A customized program can be crafted to meet a specific need. A full range of professional services, along with unique, cost-effective technologies, can be provided with all necessary assurances and



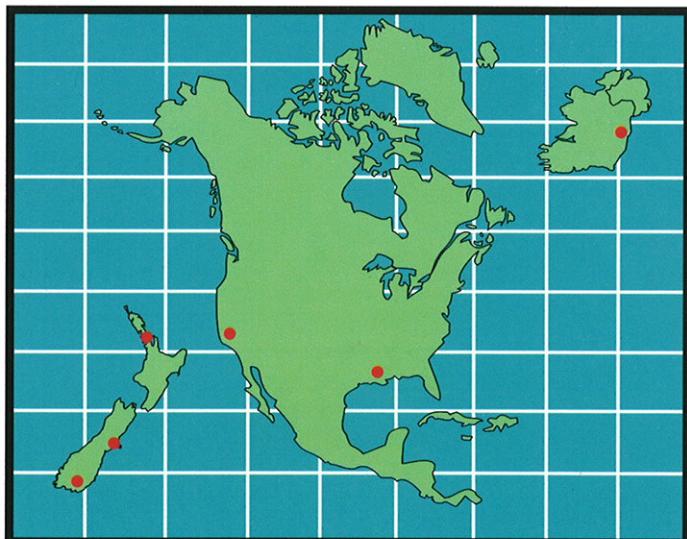
*Automatic sludge wasting and biocontrol systems can be retro-fitted into existing facilities.*

## Worldwide Capabilities

Beard International, Inc. has provided unique treatment technologies and professional services on a worldwide basis. License agreements and other similar arrangements are available through the corporate headquarters in Baton Rouge, Louisiana, USA.

## Customized Products & Services

- *Engineering & Construction Management*
- *Turn-key Programs*
- *Full Privatization*
- *Proprietary Equipment & Processes*
- *Operations & Maintenance Programs*
- *Equipment and/or Project Financing*
- *100% guarantees available*



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INTERNATIONAL INC.