

# Water Reuse Group

**How do we regulate the  
Water Reuse Industry?**

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# Why are we concerned about regulation?





# What are the main concerns with water reuse systems?

- \* Cross Contamination of Water
- \* Lack of Maintenance and costs
- \* Quality of Design
- \* Quality of Installation

# Design and Installation





# What are the main concerns with water reuse systems?

- \* Cross Contamination of Water
- \* Lack of Maintenance and costs
- \* Quality of Design
- \* Quality of Installation
- \* Trust of suppliers and water companies
- \* Concern over water quality
- \* Systems not working
- \* Pay back time
- \* Retro fit

# How can we address these issues?

- \* Clear marking and labelling of all water reuse pipes and fittings



**Achtung!**  
In diesem Gebäude ist eine Regenwasseranlage installiert. Querverbindungen ausschließen.

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**Attention!**  
This building is equipped with a rainwater harvesting system. Cross-connections between mains water pipes and rainwater pipes are forbidden!



Kein Trinkwasser
Eau Non Potable
No Drinking Water
Agua No Potable
Potable Agua No
No Drinking Water
Non Potable Eau
Kein Trinkwasser



# How can we address these issues?

- \* Clear marking and labelling of all water reuse pipes and fittings
- \* Proper commissioning and maintenance of all installations
- \* Training. Only use properly trained and competent companies and installers
- \* Education of owners of the systems
- \* Inspection of installation
- \* Use modern energy efficient systems
- \* Registration of Installations
- \* Regulations

# What regulations and guidance is there?

- \* BS 8515 Rainwater Harvesting
- \* BS 8525 Grey Water Systems
- \* Wrc report
- \* Various Water Company Guides
- \* Water Technology List
- \* WRAS
- \* British Water
- \* UKRWHA



# Who should be responsible for ensuring regulations are adhered to?

- \* Water Companies
- \* Environment Agency
- \* British Water
- \* WRAS
- \* Industry Associations
- \* Manufacturers
- \* Suppliers
- \* Installers
- \* Others CIPHE?
- \* Can it be combined with WATERSAFE?



# What can manufacturers do?

- \* Only offer warranties on installations done by fully trained installers, or commissioned and inspected by themselves.
- \* Train installers
- \* Produce comprehensive and clear guides
- \* Only supply complete systems
- \* Offer Maintenance plans
- \* Keep a record of all installations

# Conclusions

- \* Water Companies should take responsibility for water quality in the house
- \* Manufacturers should ensure their product is fit for purpose and properly installed
- \* Only properly trained installers should be allowed to install/commission these systems
- \* Water reuse systems should be registered?