



Water Appraisal

Introduction

Inefficient handling and disposal of water and wastewater can significantly increase your costs and lead to regulatory problems. Pall specialists have the expertise and experience to analyze your situation and work with you to solve your water problems. Using the right quality of water for each application can save money and may allow the reuse of some waters.

Water Appraisal Objectives

A Water Appraisal will provide a comprehensive assessment of all water uses at your facility, the quality and quantity of all wastewater discharges and their compliance with applicable regulations, and recommendations for alternatives to save money and improve regulatory compliance.

Typical Scope of Services

Assess water uses at the site

- Collect and review available flow and water quality data
- Identify sources of water, capacity and current usage, and water quality
- Calculate the cost of water from each source
- Estimate flow for each major water use
- Identify water quality requirements for each use.

Evaluate wastewater discharges

- Collect and review available wastewater flow and quality data.
- Identify the major sources of wastewater, current discharge volume, and characteristics
- Review cost data and estimate cost of wastewater disposal, either on-site or to sewer
- Identify current regulatory requirements for on-site disposal or discharge to the sewer



Identify alternatives for handling, disposal, and possible reuse of wastewater

- Describe each alternative
- Present flow and water quality needs for reuse vs. discharge
- Evaluate the ability to comply with current regulations

Assess the cost and environmental impact of each alternative

- Estimate capital, and operation and maintenance costs and project a cost per unit of flow
- Summarize and compare the ability to comply with environmental standards

Recommend a long-term plan for handling water and wastewater flows

- Describe any needed sample collection and analysis to better define the issues
- Identify pilot testing needs, if required

Recommend a plan of action to reduce costs and maintain compliance with regulations, such as decentralized on-site treatment and reuse; improved water supply treatment, end of sewer treatment and reuse, and water conservation.

The proposed scope of services will be customized to meet your needs.

Available Resources

Pall's scientists and engineers are continually developing water-processing systems to meet unique needs, comply with ever more stringent regulations, and save money. The water staff has extensive experience with water chemistry and quality issues, water treatment, engineering of treatment systems, and working with customers to successfully solve problems. The staff includes many professional engineers, water quality specialists, designers, and operators who successfully complete and start-up water treatment systems. The staff is also familiar with regulatory requirements for water supply or wastewater discharge.

More than 25 modular pilot plants are also available to demonstrate treatment alternatives and develop data for design and regulatory review. The pilot plants are equipped with continuous data monitoring and remote access so that operations can be reviewed frequently and adjusted as needed, and data collected from Pall offices or when traveling.

Charges

Wherever possible, we provide a fixed price in advance. Where this is not possible, we will give an estimate to assist you with budgeting and cost control.

What's the Next Step?

Contact your local Pall representative and discuss your specific requirements. Local Pall staff and water specialists will develop a mutually agreeable scope and contract prior to starting work.



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