

WATER MANAGEMENT PORTAL

Purpose of this Project:

Provide an application which allows residents and visitors of a city to find out more about water management-related aspects about the city. Aspects include information about water supply and waste water management for the city. The site might also provide real-time information about flooding, water supply handling water-related work projects (water supply repair, waste water treatment, etc.).

Scope of this Project:

The application could also provide information about water management-related studies and/or projects that the city is working on. Anything from measured bacteria and contaminant levels in rivers and streams, water supply, and waste water egress to new water management projects and their status, to water management analysis and reports. The site could also provide safe water use instructions, what to look for, what to avoid, and so on.

Support resident and visitor feedback for a variety of items: water supply pressure issues, water quality concerns, water pollution incidents, or submit a suggestion for improvement.

Existing System

In recent years, several forces have been driving evolution water management systems.

Demand for 24/7 web-based access to information for Citizens, City Employees and Administrator about Water management in the city.

Provide an application which allows residents and visitors of a city to find out more about water management-related aspects about the city. Aspects include information about water supply and waste water management for the city. The site might also provide real-time information about flooding, water supply handling (boil-water alert), water-related work projects (water supply repair, waste water treatment, etc.).

The application could also provide information about water management-related studies and/or projects that the city is working on. Anything from measured bacteria and contaminant levels in rivers and streams, water supply, and waste water egress to new water management projects and their status, to water management analysis and reports. The site could also provide safe water use instructions, what to look for, what to avoid, and so on.

Support resident and visitor feedback for a variety of items: water supply pressure issues, water quality concerns, water pollution incidents, or submit a suggestion for improvement.

- ñ Web accessible information base
- ñ Provide templates for information entry – e.g. education, water supply pressure report, water quality concern report, etc.
- ñ Allow for easy update of information by city employees
- ñ Allow for easy retrieval of feedback collected to facilitate acting on feedback received
- ñ Extensible to allow each city to update with their own specific information
- ñ Allow report of water management-related issue (dirty water, bad odor, pollution, etc.)
- ñ Allow submission of suggestions for improvement

Enable a map view of the city which shows information about water management-related events, projects, and reports.

Present Working System :

- This System contains no updated information about water management in the city.
- This Means Don't knows about the particular water supply timings in the city.
- Citizens Don't Know about Current working project in the city.
- Citizens don't know about water Quality Reports information.
- Citizens Don't know about Anything from measured bacteria and contaminant levels in rivers and streams
- Citizens Don't know about safe water use instructions
- Citizens don't have proper communication to send complaints, Queries, Feedbacks.
- Citizens don't have water supply pressure issues, water quality concerns, water pollution incidents.

To Be Proposed :

The development of this new system contains the following activities, which try to automate the entire process keeping in the view of database integration approach.

- The application provides information's for water management in the city.
- The application provides information's water supply and waste water management for the city.
- The application also provide real-time information about flooding, water supply handling (boil-water alert),
- The application provides information's water-related work projects (water supply repair, waste water treatment, etc.)
- The application provides also provide information about water management-related studies and/or projects that the city is working on.

- The application provides Anything from measured bacteria and contaminant levels in rivers and streams, water supply, and waste water egress to new water management projects and their status, to water management analysis and reports
- The application site could also provide safe water use instructions, what to look for, what to avoid, and so on.
- This system maintains user's personal, address, and contact details.
- User friendliness is provided in the application with various controls provided by system rich user interface.
- Authentication is provided for this application only registered users can access.
- Report generation features is provided using to generate different kind of reports.