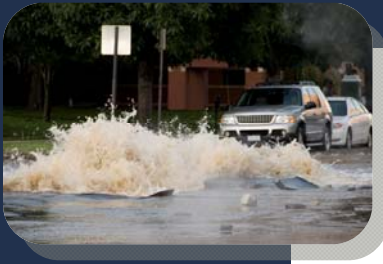


Risk



The VUEWorks Solution

Strategic Asset Management:

- Track depreciation and value
- Condition rating
- Prioritize consequences of failure
- Forecast capital budget needs
- Create & manage capital projects

Work Management:

- Document & track citizen issues
- Preventive maintenance scheduling
- Create & track work orders
- Manage time & expenses

Map & Data Sharing:

- Web browser based
- View maps & data
- Manage users
- Search & report
- Display & manage layers
- Link documents & data
- Manage non-GIS facilities

For strategic planning and prioritization of new work activities.

The VUEWorks® Risk module provides the ability to capture stake holder concerns in a risk model to strategically prioritize limited resources and work activities. Determine modes for consequences of failure for asset classes and types, and configure priorities by assigning weight factors. Once you have the risk model configured and calculated, VUEWorks Risk makes it easy and fast to look at every aspect of your risk model by highlighting assets on the map illustrating findings to stakeholders and justifying work priorities. Avoid costly failures before the occur!

Risk Manager - Windows Internet Explorer

Filter is OFF - Current list contains 989 out of 991 Assets

Form View Table View Filter Reports Calculations

Summary Filter Statement Filter Asset Class: Sanitary Sewer

Asset Type: Sanitary Pipe All Assets Selected Assets

Risk Factor	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	Not Rated	Total Rated/Assets
Overall Risk Factor	84	232	20	328		24						90	111 878 989
Failure Probabilities	0.0%	10.0%	20.0%	30.0%	40.0%	50.0%	60.0%	70.0%	80.0%	90.0%	100	%	Not Rated Total Rated Assets
Overall Failure Probability % Life Left	9.9%	19.9%	29.9%	39.9%	49.9%	59.9%	69.9%	79.9%	89.9%	99.9%			468 111 878 989
Overall Condition Structural Condition	84			216		110			192				284 602 989
Overall Condition	84			326									468 111 878 989

SEWER PIPE: 154

Risk Condition Service Calls

Consequences Failure Probabilities

Asset Class: Sanitary Sewer
Asset Type: Sanitary Pipe
Location: BUFFUMSV

Risk Factor (1-10): 10.00
Consequence Factor (1-10): 10.00
Failure Probability: 100%
Criticality Factor: 10.00

Consequence	Rating	Score
Regulatory Impact*	Low	3.00
Environmental Impact*	High	10.00
Public Health and Safety*	Moderate	7.00
High Cost to Repair*	Low	3.00
Loss of Business*	Low	3.00
Public Relations*	Low	10.00

Record: 1 of 90

Overall Risk analysis (Factor 10) displayed visually and in a tabular form.

Features and Benefits

- Use GIS data with VUEWorks Multi-Edit and Buffer tools to set Consequence of Failure measures based on your criteria
- Utilize the Consequence Factor as a measure of Criticality
- Configure up to ten Consequences and Failure modes for each asset type with user determined prioritization criteria
- Automates the process of calculating risk as the product of the Consequence of Failure and Failure Probability for any asset class
- Use data from the Work Order module or any external database to keep risk models up to date
- Use data from Risk to forecast budgets for asset replacement