BUILDING STRONGER COMMUNITIES THROUGH THE POWER OF DATA

RICH PRINSTER

AQUATICINFORMATICS

Eliminate Paperwork and Data Entry with Technology

Using data to achieve your mission.

Track, Manage and Produce Permits with Technology

Import Samples and Results with Technology

Track and Manage Violations with Technology

Streamline Reporting with Technology

PROGRAM CHALLENGES

- One person

- Hot spots around town

- Large amounts of grease in both plants

- Industrial users submitting inconsistent reports and lab sheets

- Always feeling like something is being neglected; plant at risk, community at risk

Water & Sewer Division of Marlborough

"As a one-man show, it was imperative that I found the right tools to get the data entry tasks under control and streamline my processes wherever possible, so I could spend more time in the field"

- Marlborough

AUTOMATION OF IPP

- SAMPLES
- SMR
- Inspections

- SCHEDULES
- REPORTS
- PERMIT
- VIOLATION

AUTOMATION OF FOG PROGRAM

HAULER

INSEPCTION

SCHEDULES

REPORTS

VIOLATION

MARLBOROUGH'S RESULTS

- Decreased O&M activity

- Decreased levels of grease in plants

- Consistent data from IUs

- Confident that activities are being performed consistently

- Spend more time in the field

- PROMOTED!

"I am proud to say that our pretreatment and FOG programs are now comparable to those of any major city"

- Matt from Marlborough

Reduce FOG with Technology

Using data to achieve your mission.

- Keep FSE List Up To Date with **Technology**
- Strengthen Maintenance Log Management with **Technology**
- Prioritize Inspections with **Technology**
- Increase Inspection Effectiveness with **Technology**

Seattle Public Utilities

- 5000 FSE
- 5 Inspectors
- 1 Program Manager

www.mswmag.com/ezine/2020/11

Seattle Public Utilities

"Cloud native applications enable our inspectors to access all of our facility information from the office, in the field, and in the current COVID-19-work environment – from their homes utilizing a laptop or tablet, even their smartphones."

- Seattle Public Utilities

PROGRAM CHALLENGES

- Difficult to maintain accurate FSE list

- FOG data not supporting Overflow reduction

- Not able to inspect all FSE as frequently as needed

- Inconsistent inspection data

- Ineffective enforcement effort

PHASE 1

Prioritize Inspections with Technology

Using data to achieve your mission.

1 Integration with GIS

2 Use FOG Factors to determine Inspection Frequency

3 Use Data for Staff Planning and Allocation

"Our success depends on identifying problem areas and prioritizing establishments that require the greatest attention."

Phase 2

Increase Inspection Effectiveness with **Technology**

Using data to achieve your mission.

1 Access FSE history in the field

2 Data consistency supported by electronic inspection form and pictures

3 Build relationships in the community

"By creating standardized digital forms, the city can now quickly and easily specify what data must be collected and build a baseline for better analysis."

Phase 3

Strengthen Maintenance Log Management with **Technology**

Using data to achieve your mission.

1 Use Pump Out Frequency to Automatically generate schedule

2 Import Evidence of Pump Out to Complete Event

3 Know which FSEs haven't performed maintenance without having to be on site

AUTOMATION OF FOG PROGRAM

PHASE 1

PHASE 2

PHASE 3

FSE

GIS

INSPECTION

HAULER

SCHEDULES

REPORTS

VIOLATION

SEATTLE PUBLIC UTILITIES' RESULTS

- Cut FOG related Overflow events by more than 50% in 4 years
- Increased inspections by more than 300%
- Streamlined compliance workflow

"The new program has improved work processes like route planning and reduced admin time by bringing everything online. We're able to visit more sites, which is a good thing for Seattle's sewer system."
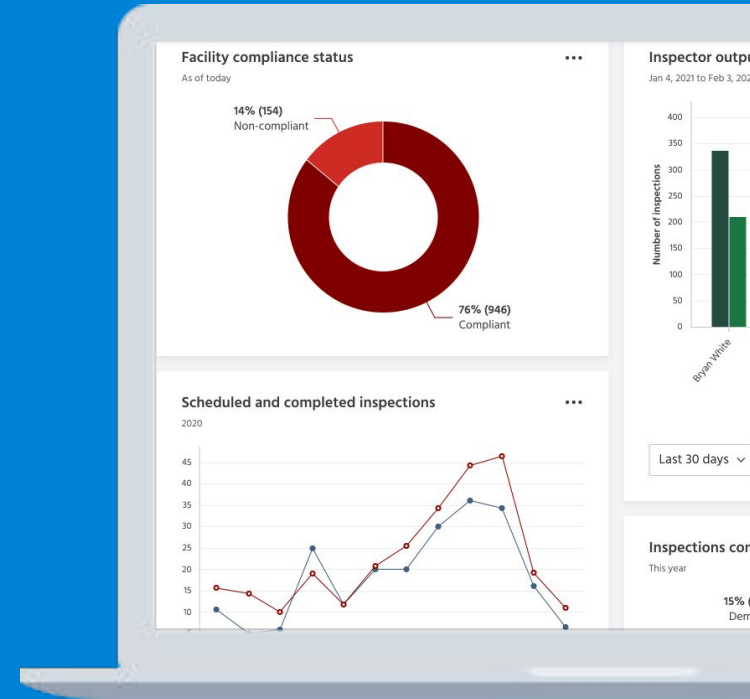
CREATING A SAFER COMMUNITY WITH DATA

Know who you're regulating

Automate Data Collection

Use data to ensure compliance

Strengthen your role in the community

ANY QUESTIONS OR COMMENTS?

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