



ENVIRONMENTAL SERVICES **OPERATIONAL DUE DILIGENCE AND REGULATORY UPDATE 2018**

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York Region

ROAD MAP

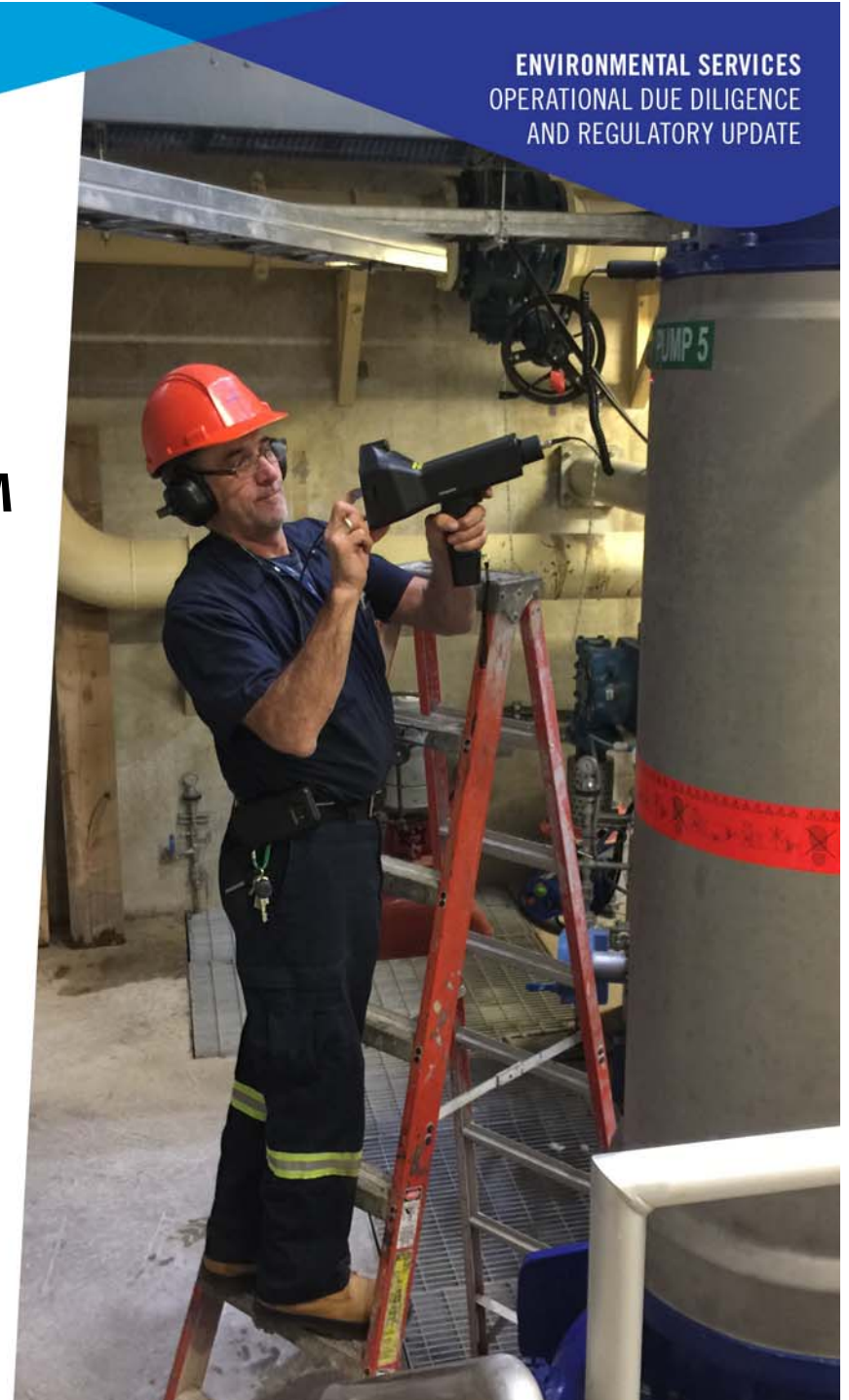
ENVIRONMENTAL SERVICES
OPERATIONAL DUE DILIGENCE
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PART 1: INTEGRATED MANAGEMENT SYSTEM

PART 2: OPERATIONS UPDATE

THIS PRESENTATION SUPPORTS:

- Innovation and Research Memorandum
- Drinking Water Systems Report
- Integrated Management System Update



STANDARD OF CARE

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Staff expertise and the Integrated Management System support Council in meeting their standard of care

AUDITS

AUDITS ARE TOOLS TO ENSURE COMPLIANCE AND EFFECTIVENESS.

Internal Proactive Audits

87 Audits | 74 Findings

ISO External Audits

4 Audits | 8 Findings

Regulatory DWQMS Audits

1 Audit | 0 Findings

Audit findings help identify opportunities
for process improvement.

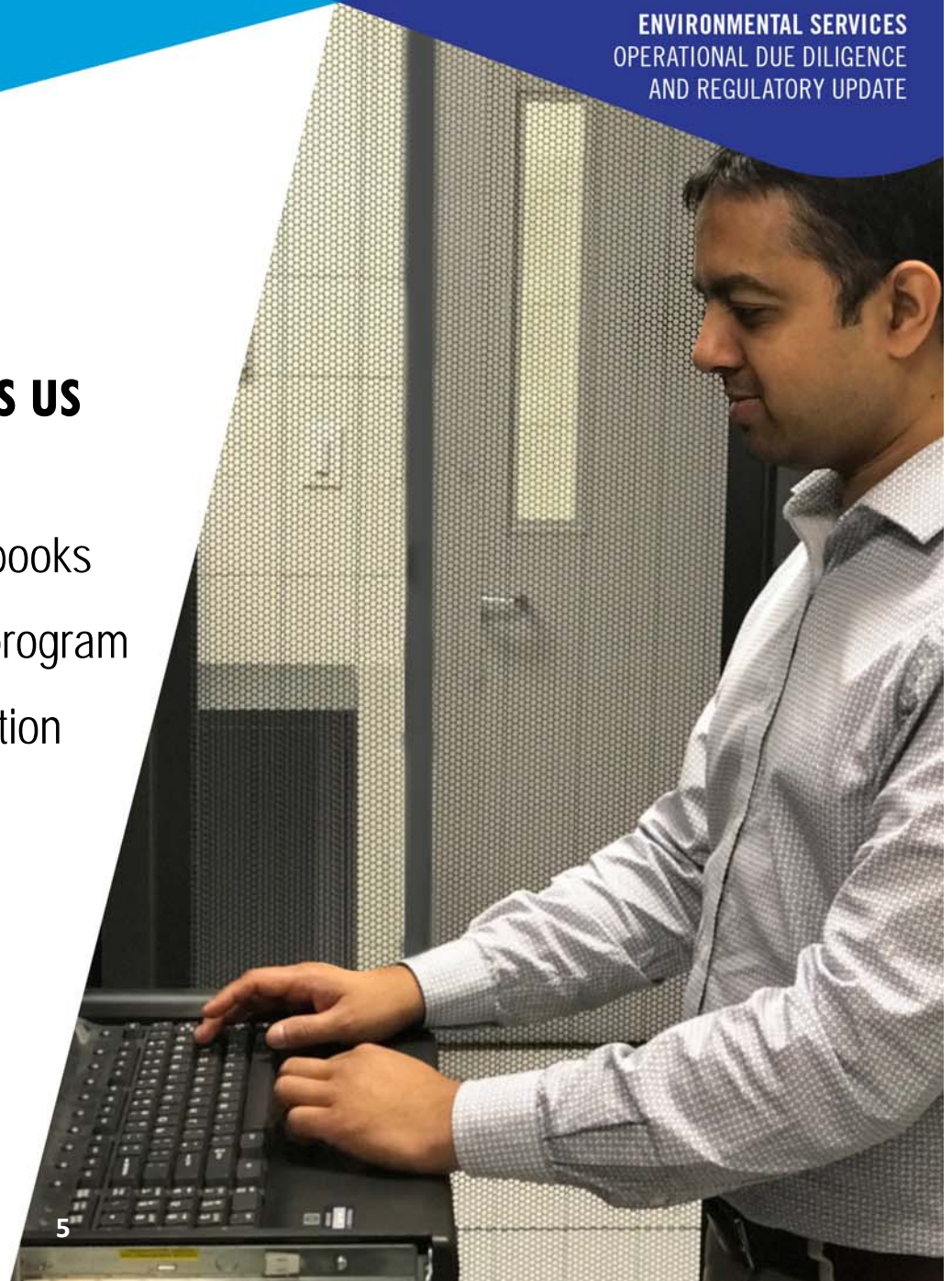


DATA/EFFICIENCY

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AUTOMATED DATA ANALYSIS ALLOWS US TO **EXPLORE** AND **INNOVATE**.

- Assess feasibility of electronic logbooks
- Strengthen sample management program
- Management of facility documentation
- Advocate for regulatory reporting burden reduction



RESEARCH AND INNOVATION

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RESULTS FROM RESEARCH PROGRAMS INFORM BUSINESS DECISIONS.

- In-kind and financial support from the Province and research partners
- Long-term cost savings and drinking water safety benefits the Region and its partners





2018 HIGHLIGHTS



PERFORMANCE AND INSPECTION SUMMARY

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**1: ONTARIO CHIEF DRINKING WATER
INSPECTOR'S ANNUAL REPORT**
(April 1, 2017 to March 31, 2018)

2: 2018 CALENDAR YEAR PERFORMANCE



2017/2018 INSPECTION SCORES

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Ontario Chief Drinking Water Inspector's Annual Reports 2017-2018

Municipality	Inspection Rating (%)	Water Quality Tests Meetings Standards (%)	Overall Score
York	98.45	99.89	99.17
Durham	98.14	99.81	98.98
Peel	98.08	99.93	99.00
Toronto	95.00	99.55	97.27
Ontario Average	98.64	99.78	99.21

Chief Drinking Water Inspector Report confirms York Region's overall top score.

2018 INSPECTION AND TEST SCORES

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System	# MECP Inspections Completed	# Non-Compliance Findings	# Best Practice Recommendations
Water	16	10	5
Wastewater	0	0	0

16,923
LABORATORY ANALYZED TESTS
RESULTED IN
2 ADVERSE TEST RESULTS
[2 Sodium]

2018 RESULTS
**99.99%
COMPLIANT**

37.6 MILLION
CONTINUOUS MONITORING
ANALYZER READINGS
RESULTED IN
52 ADVERSE TEST RESULTS
[26 High Disinfection • 21 Low Disinfection
4 High Fluoride • 1 Low Pressure]

A photograph of a large industrial water treatment facility. The scene is filled with complex machinery, including large cylindrical tanks, pipes, and metal walkways. A worker in a high-visibility vest is visible on a walkway in the middle ground. The lighting is somewhat dim, with some areas brightly lit by overhead lights. A teal rectangular box with the text "WATER WORKS" is overlaid on the upper part of the image.

WATER WORKS

TREAT IT

SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)

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DELIVERING WORKFORCE EFFICIENCIES AND REMOTE OPERATIONS.

Enables **automated**, **remote monitoring** and **operation** of water and wastewater infrastructure.

Collects operational data to meet regulatory requirements and operational needs.

- Produces more than **60.4 BILLION** records annually
- **99.95%** uptime
- Dedicated network infrastructure and support staff



OPERATIONAL HIGHLIGHTS

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SIGNIFICANT EFFORT GOES INTO DELIVERING COMPLEX AND RELIABLE **WATER** AND **WASTEWATER** SERVICES.

- 116 BILLION litres of water delivered
- 85,000 actual hours entered against 56,000 work orders
- 5,386 locates
- ZERO boil water advisories



SEWER USE BYLAW

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THERE ARE ONLY
THREE THINGS
THAT CAN BE FLUSHED!





T H A N K Y O U

