

7.1
Public Works Committee
March 18, 2013



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Public Works

Public Works
Hamilton Water Division
2012 Annual Drinking Water Report
March 18, 2013

Providing services that bring our City to life !

Presented By:
Charlene McKay, BSc., CRSP
Senior Regulatory Coordinator,
Compliance & Regulations Section

Purpose & Scope - Schedule 22 Report

- Safe Drinking Water Act, O.Reg 170
- Report to Council by March 31st
- Requires Council be informed of:
 - ✓ Provincial Officer's Orders
 - ✓ Confirmed Adverse Water Quality Incidents (AWQIs)
 - ✓ Water treatment plants

- Community
- People
- Processes
- Finance



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Summary – Schedule 22 Report

- AWQIs
 - Hamilton DWS – 2 confirmed AWQIs
 - Other DWSs – no confirmed AWQIs
- Provincial Orders – none
- Water taking or production limits not exceeded
- Report includes:
 - 2012 upgrades
 - 2013 planned upgrades



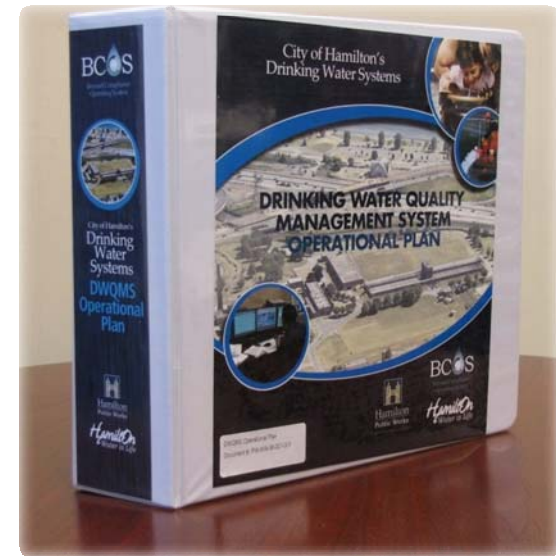
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Purpose & Scope – DWQMS Report

- Drinking Water Quality Management System Standard (DWQMS) - Owner be informed:
 - ✓ Infrastructure Review
 - ✓ Top Management Review
- Owner = Mayor & Council
- DWQMS Report includes:
 - Risk Assessment
 - Internal Audit
 - Standard of Care Training
 - Corrosion Control Study – Lead Reduction



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Maintaining & Improving The DWQMS

- Legal requirement to maintain & continually improve DWQMS.
2012 milestones:



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DWQMS – Risk Assessment Outcomes

The Risk Assessment must be reviewed on an annual basis & redone every 3 years.

- DWQMS Risk Assessment Database
- DWS hazards identified, risks assessed, critical control points / limits & and controls identified.
- DWQMS Risk Assessment Database
- Focus for 2012 - recent capital upgrades
- Meetings - Fall, 2012
- Links to Hamilton Water budget



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DWQMS – Infrastructure Review

Is water infrastructure available , when needed & maintained & improved, as necessary.

- Scope – all 5 DWSs
- Focused on operation, maintenance & replacement of infrastructure
- Report provides:

- Summary of Infrastructure Review
- Overview of outcomes

- Meetings held in Spring 2012
- Links to Hamilton Water budget



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DWQMS – Top Management Review

Top Management Review of DWQMS at least once per year.

- Review of overall performance of DWQMS including legal compliance & water quality
- Assess suitability, adequacy, effectiveness of DWQMS
- Meeting – Dec. 19th, 2012
- **GM Public Works, Director HW Operations, HW Management Team & Overall Responsible Operators**
- Report provides summary of action items – tracked in database



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DWQMS – Audits – Internal & External

- Annual Internal Audit
 - Conducted Fall, 2012
 - All 21 elements of DWQMS Standard & Transfer of Assets process
 - Auditors - Hamilton Water staff
- External Accreditation Audits
 - New accreditation body – QMI (SAI – Global)
 - Annual System Audits & on-site Verification Audit every 3 years
- Root cause analysis & identification of preventive & corrective actions
- The Report provides summary of audit process & next steps



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DWQMS – Standard of Care Training

Standard of Care requirements for Owners Managers of Municipal DWS in effect January 1st, 2013.

- Statutory due diligence
- Mayor & Council trained 2012
- Strict enforcement of Safe Water Act



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