



# **Update on Regulatory Compliance Program for Wastewater- The 5 Ws**

Operator Workshop, Moncton, NB

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Coordinator

# WHO

- Fisheries Act-Wastewater Systems Effluent Reporting
- AFNWA
- ECCC
- System operator-deleterious substances
- Greater than 100m<sup>3</sup>
- Intermittent and Continuous Systems-all AFNWA systems classified as continuous

# National Performance Standards

- NPS
- Canadian Council of the Ministers of the Environment (CCME)
- Canadian Wide Strategy for the Management of Municipal Wastewater Effluent
- EDOs and

# WHAT

- Deleterious substances
- ERAs, EQOs and EDOs
- Canadian Council of Ministers of the Environment (CCME) Strategy
- Any material that may be deleterious to the environment-Due Diligence
- Acute lethality



# WHAT CONT'd

- Dates of deposits and volumes
- Dates of no deposits
- Average annual daily volume
- Monitoring and calibrating equipment
- CSO [AFNWA member communities do not have combined sewers]
- Lab reports
- Types of samples-composite or grab
- Records retention-5 years

# Record-Keeping Requirements

- Dates of deposits and daily volumes
- Dates of no deposit
- Average annual daily volume deposited
- Information on monitoring equipment
- Combined Sewer Overflow Reports (CSO)
- Results of laboratory analyses
- Types of sample taken (composite or grab) and dates of sampling
- All records must be kept for 5 years



# WHERE

- Point of entry
- ERRIS Reporting



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### Single Window Information Manager

Welcome John Vandenberg, to Environment and Climate Change Canada's Single Window.

The reporting program(s) that you can access are listed below. Contact your SWIM Organization Lead to request access to additional programs.

[More information on getting access to programs and organizations](#)

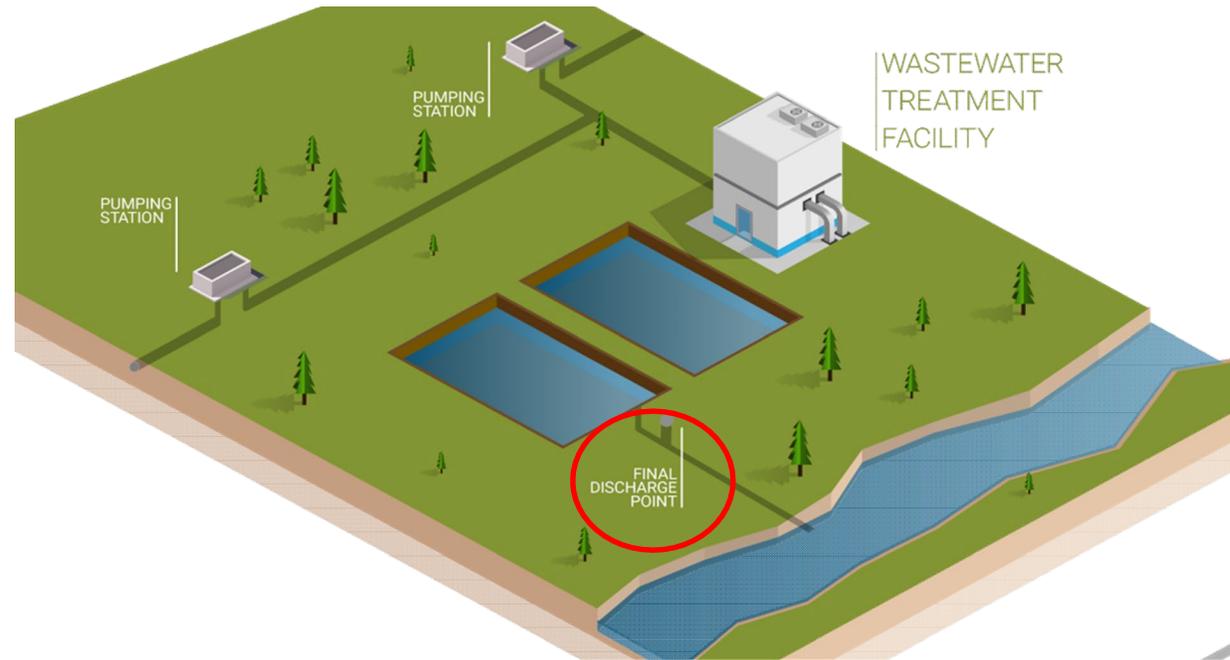
#### Canadian Notification and Movement Tracking System

This online system enables individuals and businesses to submit notifications and obtain movement documents electronically for the import and export of hazardous wastes or hazardous recyclable materials, as well as obtain official documents (e.g. permits) online under the Cross-border Movement of Hazardous Waste and Hazardous Recyclable Material Regulations (XBR).

#### Effluent Regulatory Reporting Information System

The Effluent Regulatory Reporting Information System is an online reporting system for the submission of effluent reports required by regulation, licence or permit for participating federal/provincial/territorial jurisdictions.

# Final Discharge Point



# WHEN

- Sampling and monitoring
- Monthly and quarterly
- Reporting
- Hydraulic Retention Time-5 days



# Effluent Monitoring and Reporting

- Requirements vary depending on the **SIZE** of wastewater system

Annual Average Daily Volume(m <sup>3</sup> )	Type of Sample	Minimum Sampling Frequency
≤ 2500*	Grab or composite	Monthly but at least 10 days after any other sample
>2500 and ≤ 17500	Composite	Every 2 weeks but at least 7 days after any other sample
> 17500 and ≤ 50000	Composite	Weekly but at least 5 days after any other sample
> 50000	Composite	3 days a week but at least 1 day after any other sample

# Effluent Monitoring and Reporting

- Requirements vary depending on the **TYPE** of wastewater system

Discharge Frequency	System Type	Sample Frequency	Reporting Frequency
Continuous HRT < 5 days	Mechanical Plant	Monthly*	Quarterly
Continuous HRT > 5 days	Lagoon	Quarterly**	Annually
Intermittently Discharging system	Lagoon	At Discharge***	Annually

\*Sample at least 10 days after any other sample

\*\*Sample at least 45 days after any other sample

\*\*\*Sample every two weeks but at least seven days after any other sample if the discharge period is greater than 30 days

# When cont'd

- Quarterly Reporting Due January 1 to March 31 – May 15
- April 1 to June 30 - August 14
- July 1 to September 30 - November 14
- October 1 to December 31 - February 14
- Annual Reporting due on February 14

# WHY

- Environmental protection
- One water



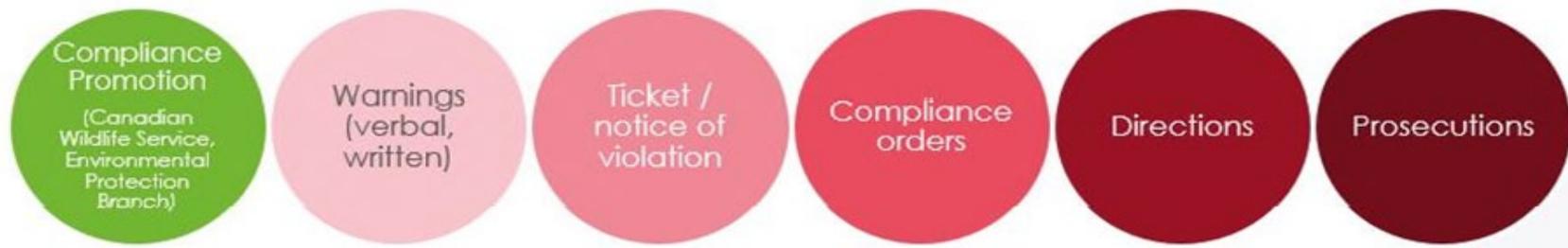
# NON-COMPLIANCE

- Fines
- Image/perception
- Impacts
- Transitional Authorization
- Errant discharges-DONCE

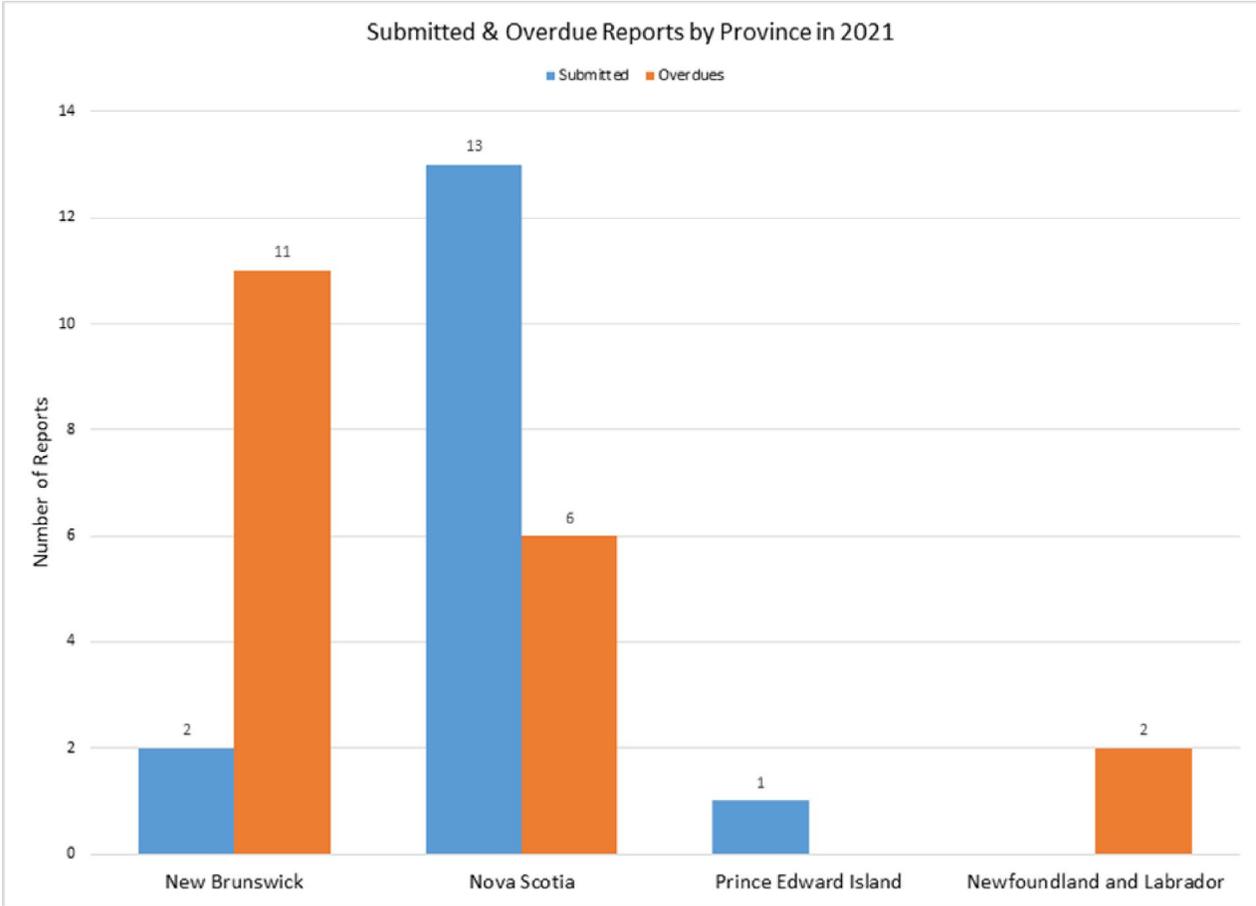
# Enforcement



- Designated under the Fisheries Act to enforce the law
- Compliance with these provisions is mandatory and Enforcement Officers work to apply the [law in a manner that is fair, predictable and consistent in accordance with the Compliance and Enforcement Policy](#)
- Before deciding on how to respond to violations, Officers will consider factors such as the nature of the violation, how to best achieve the desired results and consistency in enforcement
- The goal of ECCE's Enforcement Branch activities with respect to the Regulations is to work with communities to bring their systems into compliance with the regulatory requirements within the shortest time possible through the reasonable exercise of discretion and using a range of available enforcement responses when such responses are warranted.

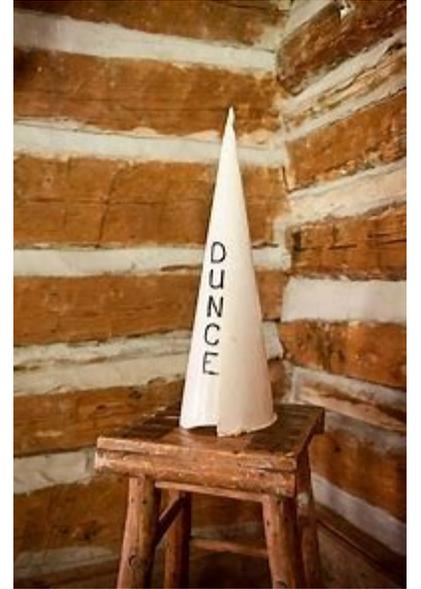


# Atlantic Canada First Nations



# DONCE

- Discharge Outside the Normal Course of Events
- Record and retain incident details
- Contact and reporting



# Recent Incidents

- Pump failure in wet well



- Forcemain failure



**Wela'lin!**



**Woliwon!**

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