

# Surface Water Protection Stakeholder Seminar

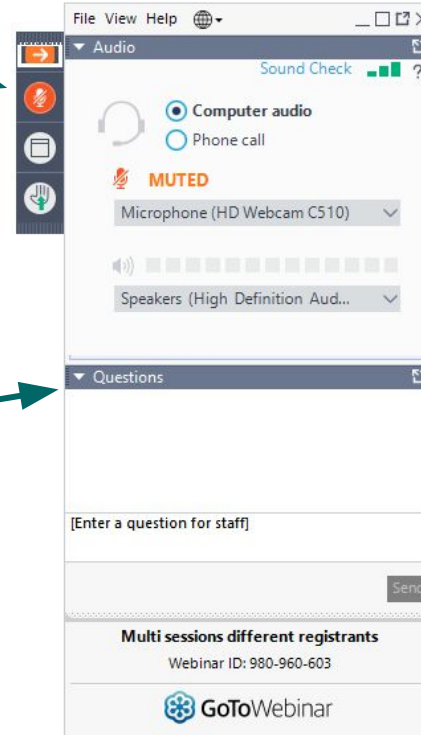
May 20, 2024



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- Muted
- Not Recording Today
- Use the Question Tool



## Permits:

### Sufficiently Sensitive Test Methods

- Dr. Corin Hammond, AZPDES Permit Writer

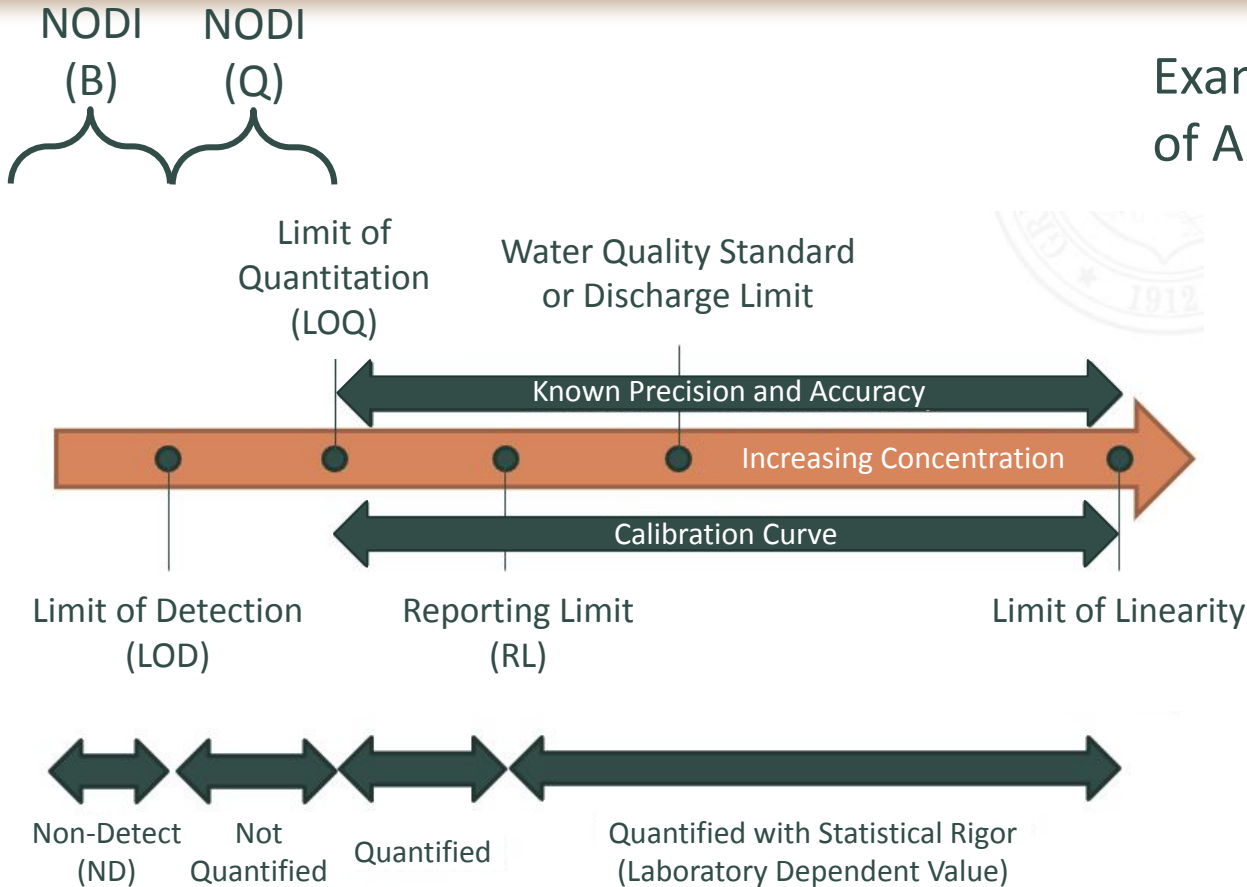
## Compliance/Enforcement:

### Compliance Metrics, Electronic Reporting, and Oversight and Monitoring

- Project Manager Jonathan Paul, AZPDES  
Inspections



# Sufficiently Sensitive Test Methods (SSM)



Example of Desired Level  
of Analytical Sensitivity

Reference  
40 CFR 136.1(c)

# Sufficiently Sensitive Test Methods (SSM)

For the purposes of this requirement, a method is “sufficiently sensitive” when the method minimum level (ML) meets the criteria specified in 40 CFR 122.21(e)(3)

## Minimum Level (ML)

The concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point.

The ML may be obtained in several ways and are either:

1. Published in a method;
2. Sample concentrations equivalent to the lowest acceptable calibration point used by a laboratory; or
3. Calculated by multiplying the MDL in a method, or the MDL determined by a lab, by a factor of 3.



## Responsibility

The permittee is responsible for communicating the Limit of Quantitation & Limit of Detection needs to the ADHS-licensed laboratory to meet the sample analysis requirements of the permit

Certain parameters require analysis at the time of sample collection and do not require the use of a licensed laboratory  
–dissolved oxygen, pH, temperature, and total residual chlorine

1. Understand limit of detection and limit of quantitation and how it relates to instrument calibration
2. Select the appropriate method in consultation with the laboratory

Compliance Metrics,  
Electronic Reporting, and  
Oversight and Monitoring



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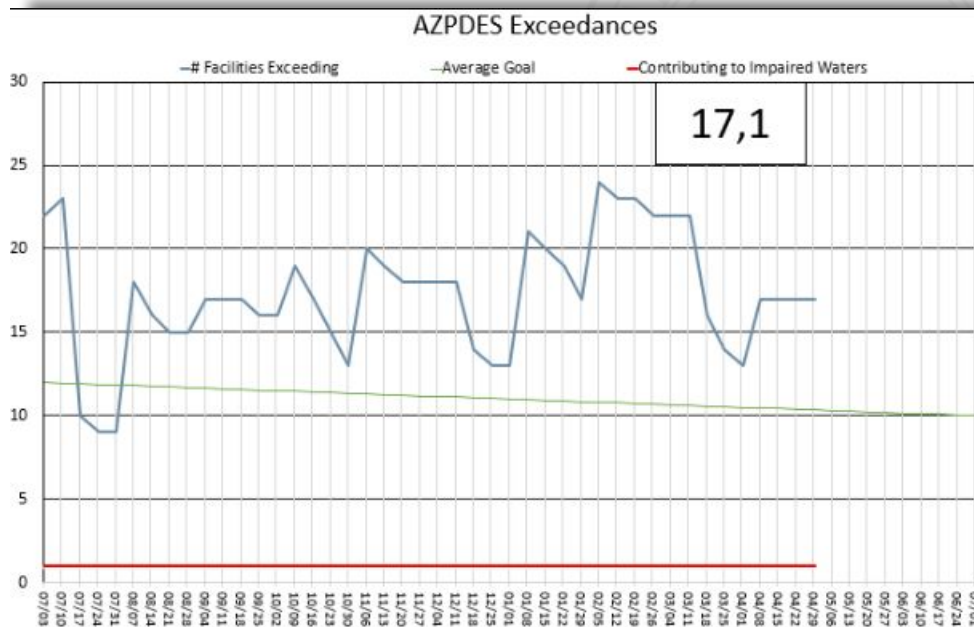
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# Compliance and Enforcement Metric

## AZPDES Individual Permit - Key Performance Indicator

- Timely Data Submissions by Permittee
- Appropriate Review and Response by ADEQ
- Elapsed Time for Permittee to Remedy



# eReporting Rule - Phase II

	Notice of Intent	Discharge Monitoring Report	Annual Reports	Inspection Results	Enforcement Actions
<b>AZPDES Individual</b>	Not Applicable	Complete	Not Applicable	Complete	In Progress
<b>Construction General Permit</b>	Complete	Complete	Not Applicable	Pending	In Progress
<b>Multi-Sector General Permit</b>	Complete	Complete	Not Applicable	Pending	In Progress
<b>MS4 (Phase II)</b>	Complete	In Progress	In Progress	Pending	In Progress
<b>MS4 (Phase I)</b>	Not Applicable	In Progress	In Progress	Pending	In Progress
<b>Biosolids and Pretreatment</b>	Not Applicable	Not Applicable	NeT	Pending	In Progress

# Oversight and Monitoring

- Quality Assurance Project Plan
- Oversight Monitoring
- Sampling by ADEQ, when necessary



# Q and A



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# For More Information

Permits questions:  
[azpdes@azdeq.gov](mailto:azpdes@azdeq.gov)

For email updates,  
subscribe at:  
<https://azdeq.gov/>

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