

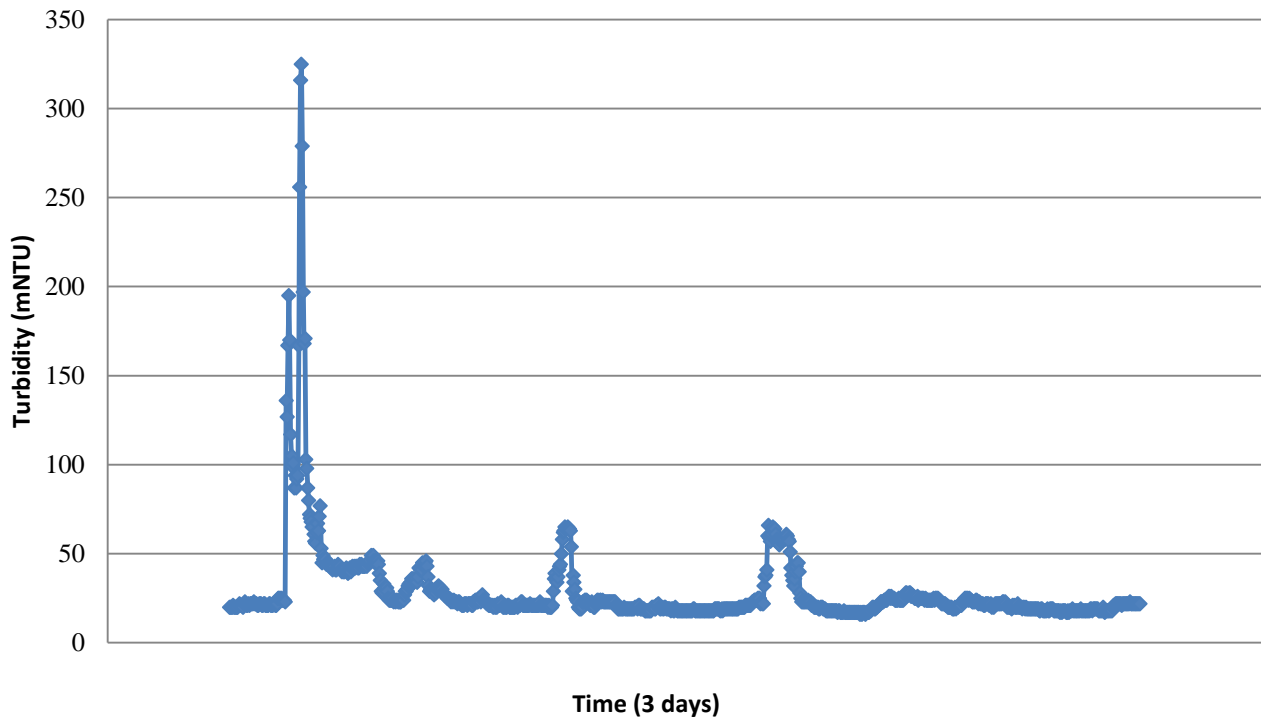
Measuring Turbidity and Suspended Solids in Power Plants

High purity water is essential for power production. The amount of suspended solids present in water is an essential quality indicator. Silt, sand, bacteria, spores, and chemical precipitates all contribute to the cloudiness or turbidity of water. As a result, turbidity monitoring is a critical tool for producing and maintaining the water used throughout the power plant.

Hach provides the most comprehensive offering of laboratory, process, and portable analytical solutions for turbidity and suspended solids monitoring throughout the power generation process. From the very low turbidities of the exceedingly high purity water produced for use in the steam cycle, to the much higher turbidities of discharged wastewater, Hach has the right instrument for your challenging or routine applications. The complete selection of Hach turbidimeters and turbidity standards delivers the broadest range of analyses in the industry. Turbidity can be measured both before and after mechanical filtration to make critical determinations of:

- boiler makeup filtration requirements
- potential for membrane fouling
- corrosion monitoring
- cooling water quality
- wastewater quality

Example RO Membrane Turbidity Monitoring:



TU5 Series Laser Turbidimeters

The TU5 series laser turbidimeters utilize a revolutionary 360°x90° detection technology which delivers the best low level precision and sensitivity of any turbidimeter on the market. Matching measurement technology ensures matching results between process and benchtop TU5 turbidimeters. The TU5 series is the new standard for low level turbidimetry.



TL23 Benchtop Turbidimeter

The TL23 benchtop turbidimeter uses ratio nephelometric measurement technology to provide reliable measurement of the most demanding industrial and wastewater applications, with a range of up to 10,000 NTU.

Solitax Process Sensor

Hach Solitax sensors employ a patented dual scattered light method for measuring suspended solids in the most challenging dark sludge or light lime matrices. The self-cleaning wiper ensures accurate results even in the presence of aggressive biological growth and gas bubbles.





TSS sc Suspended Solids Probes

The TSS sc line of suspended solids probes provide high quality turbidity measurements in the most extreme conditions. A variety of stainless steel probes are available for high temperature, explosive, and other harsh or hazardous environments.

2100Q Portable Turbidimeter

Measure turbidity anywhere with the 2100Q portable turbidimeter. Trusted Hach turbidimetric technology is available anywhere, anytime.



FOR TECHNICAL ASSISTANCE, PRICE INFORMATION AND ORDERING:

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To locate the HACH office or distributor serving you, visit: www.hach.com

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