

PULP AND PAPER INSPECTION SERVICES

NUCLEOM 



PULP AND PAPER



TUBES



CORROSION



WELD

The pulp and paper industry encounters several challenges that necessitate efficient and reliable machinery and equipment. These challenges include meeting environmental regulations and optimizing production. Defects or damages on assets, such as corrosion, cracks, or wear and tear can affect equipment performance and lead to expensive production downtime. Due to the high costs of production downtime, there is sometimes a small window of time in which inspections can take place.

IN THIS CONTEXT, INSPECTIONS ARE ESSENTIAL TO :

- + Preserve installations reliability and integrity. + Support asset maintenance.
- + Help reduce the risk of production downtime, which can significantly impact profitability.

APPLICATIONS

+ Tubes

The drying step is essential in the transformation process as it consist of drying the pulp contained in the paper (or in other word, drying the paper fiber), which is why heat exchangers must be reliable and highly efficient. Regular inspections of heat exchangers' tubes and coils are necessary to prevent corrosion and cracks to minimize the risk of failure, which can affect the factory's production and energy bills.

+ Welds

Regular evaluation of weld integrity in components such as boilers, tanks, and pressure vessels is also essential to prevent failure risks. The inspection may face challenges due to the location and accessibility of the components, as well as their condition.

+ Corrosion

Structures (digesters, evaporators, recovery boilers, bleaching...) are exposed to corrosive environments, leading to corrosion and cracking challenges. Corrosion detection and failure analysis inspections minimize production shutdowns and equipment repair costs.



SUCCESS STORY

Nucleom's team managed the overall outage of a pulp and paper facility. We provided our client with a turnkey inspection solution that covered a wide range of NDT solutions such as Liquid Penetrant Testing (LPT), Ultrasound (UT), Phased Array Ultrasonic Testing (PAUT), Radiography (RT), Magnetic Testing (MT), Positive Material Identification (PMI), Boroscopy, Thickness Measurement and welding services. We provided the client with 7 NDT methods to perform all the inspections required. Additionally, we were responsible for defects detection, repairs inspection and maintenance work required during the outage. A team of 20 highly skilled technicians worked together for a week and a half to ensure the successful completion of the project. Despite the short time range, we complied with the time set for the project. The client was satisfied of the results and was able to better plan its maintenance based on the detailed data provided in the reports.

Nucleom stands out in the field of inspection services, providing advanced procedures and technologies that result in efficient and fast techniques. The company boasts personnel with specialized training and expertise to perform effective inspections, ensuring that even the most complex equipment issues are identified and addressed.

FOR MORE INFORMATION ON OUR SERVICES, CONTACT OUR SALES TEAM.

SALES@NUCLEOM.CA