

The coronavirus (Covid-19) outbreak in 2020 proves that an infectious disease pandemic may have an impact on the operation and maintenance of power plants. To secure reliable operation in such situations it is critical that actions are taken to protect the power plants in a thoughtful and deliberate way. Although appropriate actions will be somewhat site-specific, this document provides some considerations and potential actions to be taken.

All of the recommendations are technical advisory in nature from a risk management perspective and may not apply to your specific operations. Please review recommendations carefully and determine how they can best apply to your specific needs prior to implementation. Any queries relating to insurance cover should be made with your local contact in underwriting, agent and/or broker.



Topic	Concern	Potential Mitigation Measures
Protection	<p>If the economic impact of a pandemic lasts longer than e.g., a few months, the aforementioned negative effects on maintenance and repairs of equipment may lead to a shortage of power generation capacity. The remaining generation equipment will be operated under increasingly unfavorable conditions: high degree of capacity utilization, no time for maintenance, unstable grid condition, frequency fluctuations and consequential trips. Some operators may consider extending trip (alarm) settings or configuration.</p> <p>Critical: Settings of the protection may be changed, e.g., raising of vibration trip levels.</p>	<p>Contact the OEM and, if applicable, the responsible authority before temporarily modifying / increasing of protection settings or configuration. Follow their advice / recommendations, where applicable.</p> <p>Follow a management of change process to evaluate and document protection setting deferrals.</p>
	<p>In case of power plant shutdown and reduction of operations personnel, the risk of undetected fire, theft, etc. will still exist or even increase.</p> <p>Security of the power plant has to be maintained.</p>	<p>Maintain standard site security procedures and systems during the shutdown period.</p> <p>Consider the appropriate site protection measures to be maintained, refer to:  <a href="#">ARC-Coronavirus-Shutdown-Of-Facilities-Loss-Prevention-Measures.pdf</a>.</p>