

Plant Shutdown Maintenance Checklist

Shutting down a power plant is a complex process that can be stressful and complicated. But having a step-by-step process to follow can simplify the entire procedure, especially when it comes to shutting down and servicing sample conditioning systems or analyzers.

Following this checklist helps ensure a safe and successful shutdown that protects your assets, operators and the environment.

Pre-Shutdown Checklist

<input type="checkbox"/>	Safety inspection – Look for steam/water leaks
<input type="checkbox"/>	Check for blowdown valve leak with an infrared camera
<input type="checkbox"/>	Check for hot spots in coolers with an infrared camera

Post-Shutdown Checklist

<input type="checkbox"/>	Inspect lagging and insulation
<input type="checkbox"/>	Inspect and clean VREL (pressure-reduction valves)
<input type="checkbox"/>	Remove, disassemble, inspect and clean coolers
<input type="checkbox"/>	Disassemble and clean flow meters
<input type="checkbox"/>	Replace/rebuild blowdown valves
<input type="checkbox"/>	Install new “pristine” blowdown valves
<input type="checkbox"/>	Test Thermal Shutoff Valves and replace if necessary
<input type="checkbox"/>	Place instrumentation in lay-up
<input type="checkbox"/>	Clean TCU condenser coils



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Make the Most of Your Shutdown



Sentry ProShield Lifecycle Services

Sentry service can help make the most of your plant shutdown with services like system shutdown or startup; regularly scheduled preventative maintenance; troubleshooting; safety inspections; analyzer calibration, verification and certification; installation or retrofitting of an individual analyzer, component or complete system; startup and commissioning of new sampling systems and new plants; training and consulting; and/or parts and consumables.

Dedicated local service technicians will inspect the condition of components, clean, repair or replace wearable parts, replenish reagents and other consumables, and test sample flow and filter systems, as well as coordinate the ordering of consumables and reagents so you have them on hand for continued smooth operation. Sentry ProShield Services include:

- **Customer service** – general inquiries, warranty claims, order management
- **Field service** – when a problem needs immediate attention
- **Replacements parts and consumables** – easily order your replacement parts and/or consumables
- **Technical support** – trouble shooting, training and technical manuals



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966 Blue Ribbon Circle North, Oconomowoc, WI 53066 U.S.A. | +1-262-567-7256 | sales@sentry-equip.com
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