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	STANDARD: **ANSI/APSP/ICC-1 / OSHA 29 CFR 1910.1200 (Hazard Communication)**	AUDIT FREQUENCY: **Daily Pre-Shift & Hourly Log Verification**

Commercial Swimming Pool Chemical Log Compliance Checklist

Operational Scope: This checklist outlines mandatory daily water quality testing and chemical management protocols for hospitality aquatic facilities. It ensures strict adherence to public health codes, prevents chemical exposure hazards, and maintains complete traceability for operational compliance audits.

MANDATORY PPE:	Chemical-Resistant Butyl/Nitrile Gloves, Splash-Proof Chemical Goggles (ANSI Z87.1), Acid-Resistant PVC Apron, Respirator with Multi-Gas/Vapor Cartridges, Steel-Toe Non-Slip Safety Footwear
PREREQUISITES:	Verify operational calibration of electronic photometer and pH/ORP probes using fresh standard reference solutions. | Ensure emergency eye-wash stations and safety showers within the chemical storage room are unobstructed and fully operational.

WATER CHEMISTRY & MANUAL LOG VERIFICATION

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Free Chlorine Residual Levels**	Test and record free available chlorine levels; must fall within 2.0 to 4.0 ppm for standard pools (or per local health jurisdiction).	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Pool Water pH Balance**	Verify pH levels register strictly between 7.2 and 7.8 to ensure sanitizer efficacy and prevent dermal/eye irritation for guests.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**Total Alkalinity & Calcium Hardness**	Confirm total alkalinity reads 80–120 ppm and calcium hardness reads 200–400 ppm to prevent scaling or corrosion of pool infrastructure.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
4	**Water Temperature & Clarity**	Check that main drain grate at deepest point is completely visible from the pool deck and water temp is within safe operational limits.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**

CHEMICAL STORAGE, HANDLING & SAFETY EQUIPMENT

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
5	**Chemical Storage Ventilation & Separation**	Ensure chemical storage room ventilation fan is operating continuously and incompatible chemicals (e.g., acids and hypochlorites) are physically segregated.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Safety Data Sheets (SDS) Availability**	Verify current, legible SDS documents for all pool chemicals are immediately accessible in physical binders or via designated digital portal.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**
7	**Secondary Containment Pallets**	Inspect chemical feed carboys and liquid storage drums for leaks, cracks, or improper overflow pooling within secondary containment basins.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
8	**Automatic Chemical Feeder Interlocks**	Confirm automated chemical dosing systems are interlocked with the recirculation pump flow switch to prevent concentrated chemical injection during no-flow conditions.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**

Certified Pool Operator (CPO) / Lead Technician Signature: _____	**Date / Time:** _____	**Badge / Cert #:** _____
Director of Engineering / Hotel Operations Manager Sign-off: _____	**Review Date:** _____	**Audit Status:** [ ] Approved [ ] Rectify

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