OpsAuditHub opsauditihub.com	DOC ID: **SAF-0254**	REVISION: **Rev 2.4 (2026)**
	STANDARD: **ANSI/APSP/ICC-11 & Model Health and Swim Facility Code (MAHC)**	AUDIT FREQUENCY: **Daily Pre-Shift (Minimum 3x Daily Testing)**

Commercial Swimming Pool Chemical Log Inspection Checklist

Operational Scope: Establishes a mandatory daily verification protocol for commercial swimming pool water chemistry and chemical storage logs in hospitality facilities. Mitigates the risk of chemical imbalance, waterborne pathogen outbreaks, and hazardous mixing incidents in compliance with health safety mandates.

MANDATORY PPE:	Chemical-resistant Nitrile Gloves (EN 374), Splash-Proof Splash Goggles (ANSI Z87.1), Chemical Apron (PVC/Neoprene), Steel-Toe Slip-Resistant Footwear (ASTM F2413), Respirator with Acid Gas/Chlorine Cartridges (NIOSH)
PREREQUISITES:	Ensure automated chemical feed systems are operating in auto-control mode. | Verify eyewash station and emergency shower are fully functional and unobstructed. | Retrieve calibrated photometer test kit and current chemical log sheet.

WATER CHEMISTRY & PARAMETER VERIFICATION

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Free Available Chlorine (FAC)**	Levels must register between 2.0 ppm and 4.0 ppm (or 3.0-5.0 ppm for spas/hot tubs).	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
2	**Water pH Balance**	pH reading must fall strictly within the acceptable range of 7.2 to 7.8.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
3	**Total Alkalinity**	Measured levels must be between 80 ppm and 120 ppm to buffer pH fluctuations.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
4	**Calcium Hardness & Water Temperature**	Calcium hardness maintained at 200-400 ppm; pool temp does not exceed 104°F (40°C) for spas.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A

CHEMICAL FEED EQUIPMENT & LOG ACCURACY

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
5	**Chemical Dosing Pumps**	Verify peristaltic/solenoid pumps are actively feeding chemicals and feed lines are free of air locks or crystallization.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
6	**Secondary Disinfection System**	UV system or ozone generator operating indicators show normal status with zero fault codes.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
7	**Manual Log Sheet Entry**	Ensure previous shift test results, chemical amounts added, and operator initials are fully and legibly recorded.	**Standard**	[ ] PASS [ ] FAIL [ ] N/A

CHEMICAL STORAGE ROOM SAFETY & CONTAINMENT

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
8	**Chemical Segregation & Storage**	Incompatible chemicals (e.g., chlorine and acids) are separated by physical barriers or required minimum distances.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
9	**Ventilation & Spill Kit**	Exhaust ventilation fan is actively running; certified chemical spill neutralization kit is fully stocked and accessible.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
10	**Safety Data Sheets (SDS) & Signage**	Current SDS binder is accessible in the immediate area; NFPA hazard warning placards are clearly posted on doors.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A

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

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