OpsAuditHub opsaudithub.com	DOC ID: **SAF-0256**	REVISION: **Rev 3.0 (2026)**
	STANDARD: **ANSI/APSP/ICC-1 2014, Model Aquatic Health Code (MAHC), and OSHA 29 CFR 1910.1200**	AUDIT FREQUENCY: **Every 2 Hours (Operating Hours) & Daily Comprehensive Audit**

Commercial Swimming Pool Chemical Log Sop Template

Operational Scope: Establishes mandatory protocols for testing, dosing, and recording commercial pool water chemistry to prevent waterborne illnesses and chemical exposure hazards. Ensures strict compliance with local public health codes and occupational safety regulations.

MANDATORY PPE:	Chemical-Resistant Neoprene Gloves (EN 374), Splash-Proof Chemical Goggles (ANSI Z87.1), Chemical-Resistant PVC Apron, Half-Mask Respirator with Multi-Gas/Vapor Cartridges, Steel-Toe Slip-Resistant Rubber Boots
PREREQUISITES:	Verify electronic photometer and pH probes are freshly calibrated using standard buffer solutions. | Inspect mechanical chemical feed pumps, ventilation systems, and emergency eyewash stations for proper operation. | Ensure complete Safety Data Sheet (SDS) accessibility and functional spill kits in the chemical storage room.

WATER CHEMISTRY & DISINFECTION PARAMETERS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Free Chlorine Residual**	Must read between 2.0 ppm and 4.0 ppm for standard pools (or 3.0-5.0 ppm for spas). Values outside this range require immediate manual adjustment.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
2	**Water pH Balance**	Must read between 7.2 and 7.8. Out-of-range values degrade sanitizer efficacy and cause eye/skin irritation to guests.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
3	**Total Alkalinity**	Must measure between 80 ppm and 120 ppm to ensure pH buffer stability and prevent structural corrosion.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
4	**Calcium Hardness**	Must measure between 200 ppm and 400 ppm to prevent scaling on pool surfaces or etching of plaster/tile.	**Standard**	[ ] PASS [ ] FAIL [ ] N/A
5	**Water Temperature**	Must not exceed 104°F (40°C) for spas and must remain within safe operational ranges for main swimming pools.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A

CHEMICAL FEED EQUIPMENT & STORAGE SAFETY

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
6	**Automatic Chemical Feed Pumps**	Verify telemetry and chemical metering pumps are actively feeding and not experiencing air locks or supply line clogs.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
7	**Secondary Containment Units**	Acid and chlorine carboys must sit within undamaged secondary containment basins free of standing liquid or debris.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
8	**Chemical Storage Separation**	Incompatible chemicals (e.g., sodium hypochlorite and muriatic acid) must be stored with adequate physical separation to prevent hazardous reactions.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
9	**Ventilation & Gas Detection**	Chemical room exhaust fan must be operational, and chlorine/carbon dioxide gas sensors must show green status indicators.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A

BATHING LOAD & SAFETY COMPLIANCE VERIFICATION

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
10	**Main Drain Grates & Safety Signage**	Verify main drain covers are securely bolted, unbroken, and clearly visible from the pool deck. Emergency shut-off button must be unobstructed.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
11	**Bather Load Capacity Log**	Current pool occupancy must be verified against maximum allowable bather load limits posted on signage.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A

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

COMPLIANCE NOTICE: This document must be archived for a minimum of 3 years (or per local health department mandate) in accordance with workplace safety recordkeeping guidelines.

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