SAMPLE LOG SHEET – This sheet should be modified to suit the type of pool (see notes on reverse)

<Insert Name of centre> <Insert name of pool> Date _____

Pool Water Testing

			<Insert POR range for this pool>	<Insert POR range for this pool>	Break point 0.0mg/L at the first test of the day	pH range 7.0-7.8	Total Alkalinity range 80-200mg/L	Cal. Hard mg/L	Corrective actions taken	Name of tester	Signature of tester
Time testing Due	Time testing conducted	Temp °C	Total Chlorine mg/L DPD 1+3 (a)	Free Chlorine mg/L DPD 1 (b)	Combined Chlorine mg/L Total-Free (a-b)	pH	Total Alkalinity				
6am											
9am											
12pm											
3pm											
6pm											
9pm											
Daily Ave.											

Combined chlorine must not exceed 1 mg/L and should not be more the half the free chlorine

Cyanurate acid concentration (weekly measurement)_____ Date _____

Water Balance

Using the water balance chart on reverse, calculate the Langelier Saturation Index (LSI). The ideal LSI is 0.2 and the range is –0.5 to 0.5.

LSI = pH + TF + CF + AF - 12.1
where:
TF = Temperature factor
CF = Calcium Hardness factor
AF = Alkalinity Factor

____ (pH) + _____ (TF) + ____ (CF) + ____ (AF) - 12.1 = _____ (LSI)

Calculated by (signature) _____

Daily Maintenance Log Detail what was undertaken and at what time of the day.

Maintenance area	Maintenance undertaken	Time of maintenance	Signature

Review by manager Data and corrective action to be reviewed by facility manager daily

Further action required or taken or other comments	Name of Manager	Signature of manager	Date

Water Balance Chart

Temperature (C°)	Temperature Factor	Calcium (Hardness)	Calcium Hardness Factor	Total Alkalinity	Alkalinity Factor
0	0.0	5	0.3	5	0.7
3	0.1	25	1.0	25	1.4
8	0.2	50	1.3	50	1.7
12	0.3	75	1.5	75	1.9
16	0.4	100	1.6	100	2.0
19	0.5	150	1.8	150	2.2
24	0.6	200	1.9	200	2.3
29	0.7	300	2.1	300	2.5
34	0.8	400	2.2	400	2.6
40	0.9	800	2.5	800	2.9
53	1.0	1000	2.6	1000	3.0

Notes for modifying this log sheet for your pool

- Use a separate sheet for each pool for each day.
- Print on different coloured paper for each different pool.
- Change the Health Prescribed Operating Requirement (POR) levels so they are appropriate for the type of pool. This depends on if the pool is indoor or outdoor, the temperature and the type of disinfection used. See Public Health Regulation 2012, Schedule 1.
- If used for a bromine pool, the breakpoint is not really important, and DPD 1 measures bromine.
- If used for an ozone pool, insert a space to record when a check is done and the results.
- If an automatic controller is used, and the results are input, then there needs to be a place to enter a manual reading to compare with the automatic.