



OPERATING DOCUMENT

K2 CRAWLEY

SECTION: OD 86.7.6

ISSUE: ONE

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DATE: 30.10.09

APPROVED BY: MH

TITLE: POOL CAPACITY

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1. Amendment Details

None

2. Scope & Objective

It is the objective of K2 Crawley that we provide a safe environment for all bathers. This operating document details the maximum number of bathers permitted and the reasons why.

3. Reference Documents

Internal

Risk Assessments

Pools

Building Specification Manuals

OD 86.7.4 Pool Supervision and Staffing

External

Managing H&S in Swim

4. Operating Details

4.1 Pool Capacity

4.1.1 The pool capacity is determined by the volume of water and session that is taking place. Managing Health and Safety in Swimming Pools guidance recommends that 3 metres squared of surface water per person is used as a starting point for un-programmed swimming.

Listed in the table below are maximum bather loads for all sessions and all pools:

Maximum Bather Load Table

Area Of Pool	Session	Maximum Bather Load
50m Pool	Lane Swim – Public	128
50m Pool	Lane Swim – Club/Public	128
50m Pool	Private Hire – Lane Swim/Gala	128
50m Pool	Private Hire – Open Swim	250
50m Pool	General Swim (not currently on programme)	250
25m Pool	Lane Swim – Public	64
25m Pool	Lane Swim – Club/Public	64
25m Pool	Private Hire – Lane Swim/Gala	64
25m Pool	Private Hire – General Swim	125
25m Pool	General Swim	125

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Deep End	Diving	5 in water
Deep End	Swimming Lessons	30 (ratios of instructors to pupils must be adhered)
Deep End	Inflatable	5 on inflatable/in water
Deep End	Open Swim (not currently on programme)	40
Deep End	Floats (not currently programmed in this area)	30
Deep End	Deep Water Aqua	30
Shallow End	Swimming Lessons	20 (ratios of instructor to pupils must be adhered)
Shallow End	Inflatable (not currently programmed in this area)	5 on inflatable/in water
Shallow End	General Swim	40
Shallow End	Floats	30
Shallow End	Aqua	30
Leisure Pool	General Swim	50
Learner Pool	General Swim	40
Learner Pool	Swimming Lessons	20

4.2 Dimensions and Depth of K2 Crawley Pools

Main Pool

Length (range of lengths if necessary)	Main pool = 50 m or when split into three: Shallow End = 9m Main pool = 25m Deep End = 13m Booms = 1.5 m
Width (range of widths if necessary)	Main pool = 17 metres wide
Shape	The main pool is rectangular and when split into three sections each section is rectangular.
Total Surface Area	Main pool 50m = 850 squares metres or when split into three: Shallow End = 153 square metres Main Pool 25m 425 square metres Deep End = 221 square metres
Maximum Depth	Main Pool 50m = 1.8m Shallow End = 1.8m Main Pool = 25m Deep End = 4.0m
Depth Range (specify areas of pool)	Main Pool 50m = 1.8m Shallow End = 0m - 1.8m Main Pool = 25m - 1.8m Deep End = 0m - 4.0m
Total Volume of Water	Main Pool 50m = 2445 cubic metres Shallow End = 489 cubic metres Main Pool 25m = 765 cubic metres



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	Deep End = 1191 cubic metres
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Leisure Pool/Learner Pool

Length (range of lengths if necessary)	Leisure Pool = 10m (to furthest point) Learner Pool = 15m (including steps)
Width (range of widths if necessary)	Leisure Pool = 14m (to furthest point) Learner Pool = 7m
Shape	Leisure Pool = Irregular Learner Pool = Rectangular
Total Surface Area	Leisure Pool = 77 metres squared approx. (due to irregular pool shape) Learner Pool = 105 metres squared
Maximum Depth	Leisure Pool = 0.9m Learner Pool = 0.9m
Depth Range (specify areas of pool)	Leisure Pool = 0.0m - 0.9m Learner Pool = 0.0m - 0.9m
Total Volume of Water	Leisure Pool = 53 cubic metres Learner Pool = 77 cubic metres