**Appendix S**

**Health Protection Agency Pool Investigation Checklist in the Case of a Contamination Incident**

This checklist contains the questions that are likely to be asked by visiting Environmental Health Officers following a contamination incident. It is a useful tool for checking that the necessary systems are in place to prevent contamination and also for collecting this information in case it is required by the Environment Agency at any point.

| **1.0** | **Local Authority Information** |
| --- | --- |
| 1.1 | Local Authority |  |
| 1.2 | Date |  |
| 1.3 | Telephone Number |  |
| 1.4 | Last sampling data at this premises |  |
| 1.5 | Sample taken by |  |
| 1.6 | Position |  |
| **2.0** | **Site Details** |
| 2.1 | Swimming Pool Reference |  |
| 2.2 | Swimming Pool Name |  |
| 2.3 | Premises address & Postcode |  |
| 2.4 | Name of Site Manager |  |
| 2.5 | Telephone No. |  |
| 2.6 | Person with daily responsibility for running the pool |  |
| 2.7 | Telephone No. |  |
| 2.8 | Ownership |  |
| 2.9 | How many pools are on site? |  |
| 2.10 | Type of Pool on Site | Learner/Deepwater/Hydrotherapy |
| 2.11 | Estimate volume of water use per year |  |
| **3.0** | **Poolside Hygiene** |
| 3.1 | Are there pre-swim showers? |  |
| 3.2 | Does the shower water run to waste? |  |
| 3.3 | Is any pool water used for showers? |  |
| 3.4 | Are there separate post-swim showers? |  |
| 3.5 | Are there sanitised footbaths between the changing area and the pool? |  |
| 3.6 | Are there nappy changing facilities? |  |
| 3.7 | How often are changing rooms and poolside surfaces washed? |  |
| **4.0** | **Pool Details** |
| 4.1 | Pool Type |  |
| 4.2 (a) | Water Volume (m3) |  |
| 4.2 (b) | Surface Area (m2) |  |
| 4.2 (c) | Circulation Rate (m3/h) |  |
| 4.2 (d) | Turnover Time (h) |  |
| 4.3 (a) | Maximum Bather Load (People) |  |
| 4.3 (b) | Operational Bathing Load (People) |  |
| 4.3 (c) | Circulation Rate (l/bather/day) |  |
| 4.3 (d) | Separate filtration |  |
| **5.0** | **Water Treatment** |
| 5.1 | Disinfection | Sodium hypochlorite |  |
|  | Calcium hypochlorite |  |
|  | Chlorinated isocyanurates |  |
|  | Ozone |  |
|  | Ultraviolet light |  |
|  | Bromochlorodimethylhydantoin |  |
|  | Other |  |
|  |  |  |
| 5.2 | Filter Medium | Single grade sand |  |
|  | Multigrade sand |  |
|  | Cartridge filter |  |
|  |  |  |
|  |  |  |
| 5.2 (a) | Filter flow rate | Low ( up to 10m/h ) |  |
|  | Medium ( 11 to 30m/h ) |  |
|  | High ( 31 to 50 ) |  |
|  | Very High ( >50) |  |
| 5.2 (b) | Is there a viewing window on the filters? | Yes/No |
| 5.2 (c) | Does the filter use air scour for backwash? | Yes/No |
| 5.2 (d) | How many filters are there? | 1 2 3 4 |
| 5.2 (e) | Are the filters in parallel? | Yes/No |
| 5.3 | Coagulant  | Aluminium sulphate (alum) |  |
|  | Poly aluminium chloride |  |
|  | Poly aluminium sulpho-silicate |  |
|  | Iron chloride |  |
|  | Iron sulphate |  |
| 5.3 (a) | Dosing rate mg/l |  |
| 5.3 (b) | Where dosed | Before filterAfter filter |
| 5.3 (c) | What pH is the pool run at? |  |
| 5.4 | Is this achieved? | Yes/No |
| 5.5 | Have there been any recent failings? |  |
| 5.6 | What is the target pool water calcium hardness? (mg.l-1) |  mg.l-1 |
| 5.7 | What is the target for total dissolved solids? (mg.l-1) |   mg.l-1 |
| 5.8 | What is the normal water operating temperature? (°C) |   °C |
| 5.9 | What is the target free chlorine level? (mg.l-1) |  mg.l-1 |
| 5.10 | What is the target combined chlorine level? (mg.l-1) |   mg.l-1 |
| 5.11 | Does the pool operate for most of its time at these levels? | Yes/No |
| 5.12 | How often are the filters backwashed? | Weekly |  |
|  | twice weekly |  |
| 5.13 | At what days and hour of the day are the filters usually backwashed? |  Sun Mon Tue Wed Thur Fri Sat am pm |
| 5.14 | Number of water samples taken per year for biological testing |   |
| 5.15 | Number of water samples which passed each year. |  |
| 6.0 | Is the water? | Clear and sparkling |  |
|  | Unexceptional |  |
|  | Turbid  |  |
|  | Dirty |  |
| 6.1 | Does the pool have an atmosphere? | No obvious smell |  |
|  | Unexceptional spell |  |
|  | Strong smell |  |
|  | Irritant |  |
| 6.2 | Samples collected for: | Routine Microbiology (APC. EColi, Coliforms, Ps Aeruginosa) |  |
|  | pH |  |
|  | Free Chlorine |  |
|  | Combined Chlorine |  |
|  | Total Dissolved solids |  |
|  | Cryptosporidium count per 10 litres |  |
|  | Backwash cryptosporidium count per 10 litres |  |
|  | Other pathogens |  |
| 6.3 | Is there a Legionella or other risk assessments in place? | Yes/No |
| 6.4 | Have there been any recent faecal accidents? | Yes/No |
| 6.5 | Have there been any recent failures to reach target level for microbiological measurements? | Yes/No |
| 6.6 | Is there a formal staff training system in place? | Yes/No |