

7. Hot Water Calorifier Flow & Return Temperature Record

Year: 2012

Hot water calorifier no. 1 Sadia hot water heater

Location: Site maintenance office

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| Flow °C | | | | | | | | 50 | 48 | 43 | 42.5 | 41.5 |
| Return °C | | | | | | | | 48 | 46 | 42 | 39.0 | 39.0 |
| Stored °C | | | | | | | | NA | NA | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |

Year: 2012

Hot water calorifier no.2 State hot water heater 220lts (2)

Location: kitchen (external boiler house)

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Flow °C | | | | | | | | Off | 53 | 62 | 71 | 62 |
| Return °C | | | | | | | | Off | Off | Off | 47 | 50 |
| Stored °C | | | | | | | | NA | NA | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |

Year: 2012

Hot water calorifier no.3 State hot water heater 220lts (1)

Location: kitchen (external boiler house)

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Flow °C | | | | | | | | Off | 56 | 57 | 30 | 61 |
| Return °C | | | | | | | | Off | Off | Off | 47 | 50 |
| Stored °C | | | | | | | | Na | NA | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |

Note: Record temperatures (°C).
 Note any that fall outside 60°C (flow) and 50°C (return) as an out of tolerance and take appropriate action.

Year: 2012

Hot water calorifier no. 4 Sadia hot water heater 15lts

Location: roof space above reception (old school building)
*outlet temperature at tea point

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| Flow °C | | | | | | | | 54 | *56 | 53 | 55.8 | 57.1 |
| Return °C | | | | | | | | Na | Na | NA | NA | NA |
| Stored °C | | | | | | | | Na | Na | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |

Year: 2012

Hot water calorifier no. 5 Hot water heater

Location: cleaner's cupboard (old school building)

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|------|
| Flow °C | | | | | | | | Off | Off | Fault | Fault | 55.5 |
| Return °C | | | | | | | | Na | Na | NA | NA | NA |
| Stored °C | | | | | | | | Na | Na | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |

Year: 2012

Hot water calorifier no. 6 Instantaneous electric hot water heater

Location: staff wc (old school building)

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| Flow °C | | | | | | | | *48 | Na | NA | 51.0 | 50.5 |
| Return °C | | | | | | | | Na | Na | NA | NA | NA |
| Stored °C | | | | | | | | Na | Na | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |

*outlet temperature

Year: 2012
 Hot water calorifier no. 7 Santon hot water heater 5lts
 Location: room 15 history dept.

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|
| Flow °C | | | | | | | | 54 | 52.4 | NA | NA | NA |
| Return °C | | | | | | | | Na | Na | NA | NA | NA |
| Stored °C | | | | | | | | Na | Na | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |

Year: 2012
 Hot water calorifier no. 8 AO Smith hot water calorifier 278lts
 Location: Scola boilerhouse

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Flow °C | | | | | | | | 53 | 56 | 60 | 60 | 63 |
| Return °C | | | | | | | | 53 | 53 | 60 | 55 | 57 |
| Stored °C | | | | | | | | Na | NA | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |

Year: 2012
 Hot water calorifier no. 9 hot water calorifier 270lts
 Location: gym plant room

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Flow °C | | | | | | | | Off | 55 | 60 | 60 | 60 |
| Return °C | | | | | | | | Off | 55 | 57 | 60 | 55 |
| Stored °C | | | | | | | | Na | NA | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |

Year: 2012

Hot water calorifier no. 10 (1)

Location: sports hall / badminton plant room

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Flow °C | | | | | | | | 67 | 56 | 61 | 62 | 53 |
| Return °C | | | | | | | | 63 | 66 | 66 | 64 | 57 |
| Stored °C | | | | | | | | Na | Na | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |

Year: 2012

Hot water calorifier no. 11 (2)

Location: sports hall / badminton plant room

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Flow °C | | | | | | | | 68 | 77 | 82 | 82 | 72 |
| Return °C | | | | | | | | 67 | 66 | 66 | 64 | 57 |
| Stored °C | | | | | | | | Na | Na | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |

Year: 2012

Hot water calorifier no. 12 combination boiler

Location: baby cottage - external 'shed'

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| Flow °C | | | | | | | | *51 | <50* | 54.5 | 52.5 | 60.5 |
| Return °C | | | | | | | | Na | NA | NA | NA | NA |
| Stored °C | | | | | | | | Na | NA | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |

*outlet temperature

Year: 2012
 Hot water calorifier no. 13 Sadia hot water heater 15lts
 Location: sports pavilion plant room

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Flow °C | | | | | | | | 30 | OFF | NA | NA | NA |
| Return °C | | | | | | | | Na | Na | NA | NA | NA |
| Stored °C | | | | | | | | Na | Na | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |

Year: 2012
 ?Hot water calorifier no. 14? Electric shower unit
 Location: sports pavilion plant room

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Flow °C | | | | | | | | Off | Na | NA | NA | NA |
| Return °C | | | | | | | | Na | Na | NA | NA | NA |
| Stored °C | | | | | | | | Na | Na | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |

Year: 2012
 Hot water calorifier no. 15 Sadia hot water heater 25lts
 Location: science & maths – store room

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|------|------|
| Flow °C | | | | | | | | 52 | 52.9 | 52 | 51.1 | 52.3 |
| Return °C | | | | | | | | Na | Na | NA | NA | NA |
| Stored °C | | | | | | | | Na | Na | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |

Year: 2012

Hot water calorifier no. 16 Sadia hot water heater 25lts

Location: science & maths – right hand classroom

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|------|
| Flow °C | | | | | | | | Off | Off | 65.5 | 65 | 65.1 |
| Return °C | | | | | | | | Na | Na | NA | NA | NA |
| Stored °C | | | | | | | | Na | Na | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |

Year: 2012

Hot water calorifier no. 17 hot water calorifier (1)

Location: rotherly house boiler room

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Flow °C | | | | | | | | 60 | 55 | 60 | 64 | 52 |
| Return °C | | | | | | | | 54 | 51 | 60 | 62 | 51 |
| Stored °C | | | | | | | | Na | | NA | NA | NA |
| Initial | | | | | | | | KG | | PS | PS | PS |

Year: 2012

Hot water calorifier no. 18 hot water calorifier (2)

Location: Rotherly house boiler room

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Flow °C | | | | | | | | 60 | 49 | 65 | 66 | 53 |
| Return °C | | | | | | | | 54 | 51 | 60 | 57 | 51 |
| Stored °C | | | | | | | | Na | Na | NA | NA | NA |
| Initial | | | | | | | | KG | KG | PS | PS | PS |