



**Mogden Sewage Treatment Works**

**TW Site Inspection**

<b>Date of inspection:</b> 10 <sup>th</sup> June 2020	
<b>Attendees:</b> Mr Steven Maunders and Miss Charlotte Page (Thames Water)	
<b>LB Hounslow Observation</b>	<b>Thames Water Action / Response</b>
<p><b><u>Storm Water Storage Tanks (SWST)</u></b></p> <p><b>Tank 1A</b> – Tank empty – approx. 10% of tank covered by dried grit – requires further flushing – Hoppers 1, 2 &amp; 3 full of effluent water.</p> <p><b>Tank 1B</b> – Tank empty – approx. 10% of tank covered by grit – requires further flushing – Hoppers 1, 2 &amp; 3 full of effluent water surcharging back to Tank (return valve issue).</p> <p><b>Tank 2A</b> – Tank empty – approx. 10% of tank covered by grit – requires further flushing – Hoppers 1 &amp; 2 approx. 20% full, Hopper 3 full of effluent water.</p> <p><b>Tank 2B</b> – Tank empty – approx. 20% of tank covered by grit – requires further flushing – Hopper 1 full, Hoppers 2 &amp; 3 approx. 30% full of effluent water.</p> <p><b>Tank 3A</b> – Tank empty and flushed clean – Hoppers 1, 2 &amp; 3 approx. 50% full.</p> <p><b>Tank 3B</b> - Tank empty – approx. 40% of tank covered by grit – requires further flushing – Hoppers 1, 2 &amp; 3 full of effluent water.</p>	

**Tanks 4A, 4B, 5A & 5B** which are covered and odour controlled were all full - unable to gauge condition as lighting system still not working.

**Tank 6A** – Tank empty – approx. 20% of tank covered by grit – requires further flushing – Hoppers 1 & 3 approx. 90% full, Hopper 2 30% full of effluent water.

**Tank 6B** – Tank empty – approx. 50% of tank covered by grit – requires further flushing – Hoppers 1 & 2 approx. 80% full, Hopper 3 90% full of effluent water.

**Tank 7A** – Tank empty – recently returned - approx. 85% of tank covered by grit and sludge – requires further flushing – Hoppers 1, 2 & 3 full – requires draining/over-pumping.

**Tank 7B** – Tank empty – recently returned - 100% of tank covered by grit and sludge – requires further flushing – Hoppers 1, 2 & 3 empty.

**Tank 8A** – Tank empty – approx. 20% of tank covered by grit – requires further flushing – Hoppers 1, 2 & full of effluent water.

**Tank 8B** – Tank empty – approx. 15% of tank covered by grit – requires further flushing – Hoppers 1, 2 & 3 approx. 75% full of effluent water.

**Feed Channel** - Both feed channels low – approx. 10% - no local odours.

### **Complaints**

**The Council directly received no complaints by telephone in the preceding week.**

**The Council directly received no complaints by email in the preceding week.**

**The Council received no complaints by email from MRAG.**

<p><b><i>Thames Water controller advised that they had received no direct complaints in the preceding week.</i></b></p>	
<p><b><u>Odour Monitors</u></b></p> <p>No data available for any contemporary or historical odour data as entire system down whilst undergoing "Microsoft updates".</p>	
<p><b><u>Odour Log (Thames):</u></b></p> <p><b>No data provided.</b></p>	

## **Sludge Dip Records**

**No data provided.**

### **Digesters**

**Digesters 1-4** – Out of use (permanent) – noticeable quantity of water accumulated to the brim of these tanks which is thick with algae – requires draining. Long term project currently initiated to bring these units back into service – will require significant investment.

**Digester 5** - In use – seal level approx. 2ft below coping stones – seal weak and bubbling.

**Digester 6** - In use – seal level approx. 2ft below coping stones – seal weak and bubbling.

**Digester 7** – Out of use – empty and clean – contractor on site undertaking maintenance

**Digester 8** - In use – seal level approx. 18” below coping stones - seal weak and bubbling – Bell height high requiring draw down of Biogas.

**Digester 9** - In use – seal level approx. 18” below coping stones - seal weak and bubbling.

**Digester 10** - In use – seal level approx. 2ft below coping stones - seal weak and bubbling – Bell height high requiring draw down of Biogas.

**Digester 11** - In use – seal level approx. 1ft below coping stones – seal weak and bubbling.

**Digester 12** - In use – seal level approx. 2ft below coping stones - seal weak and bubbling.

**Digester 13** - In use – seal level approx. 6” below coping stones - seal weak and bubbling.

**Digester 14** – Out of use – empty and clean – contractor on site undertaking maintenance.

**Digester 15** - Out of use – empty and clean – contractor on site undertaking maintenance.

**Digester 16** - In use – seal level approx. 1ft below coping stones – seal weak and bubbling – ongoing spill requiring clean-up and anti-foam – Bell height high requiring draw down of Biogas

**Digester 17** - In use – seal level approx. 2ft below coping stones - seal weak and bubbling.

**Digester 18** - Out of use – empty and clean – contractor on site undertaking maintenance

**Digester 19** - In use – seal approx. 3ft below coping stones – seal weak and bubbling.

**Digester 20** - In use – seal level approx. 3ft below coping stones – seal weak and bubbling.

## **GENERAL**

### **Sludge Screening House**

All doors open at time of inspection.

### **Imported Sludge**

**No data provided.**

### **Final Settlement Tanks East Side of Works**

The 8 circular tanks previously used as PSTs are now being used as final tanks (71-78).

**Skips**

1x partially filled small grit skips by Sludge Screening House.

**Pasteurisation Plant**

No data provided.

**East Side Raw Sludge Screen House**

Doors closed at time of inspection.

**West Side Aeration Lanes (Old)**

Battery C aeration feed channel 75% obstructed in one channel (right)  
– requires jetting.

**West side primary settlement tanks (PST)**

Rectangular PSTs – no issues

Circular PST's 10, 11 & 12 in use. Tank 9 currently being brought back into service.

**New Works (West Side)**

Feed Channel for Aeration Lanes 21-24 approximately 50% blocked – requires jetting.

“Fluffy” coverage across surface has again begun to significantly build up and thicken; also significant quantity of material bypassing screener.