

Mogden Sewage Treatment Works

TW Site Inspection

Date of inspection: Thursday 20th February 2020 (12:00pm)	
Attendees: Mr I Inman (London Borough of Hounslow) and Mr D Chowings (Thar	nes Water)
LB Hounslow Observation	Thames Water Action / Response
Weather	
Light rain and full cloud cover at start, very heavy rain by the end of inspection.	
Storm Water Storage Tanks (SWST)	
Tank 1A was completely full.All amajets were in operation.	
Tank 1B was completely full.All amajets were in operation.	
Tank 2A was completely full. All amajets were in operation.	
Tank 2B was completely full. Amajets 1 & 2 were in operation.	
Tank 3A was completely full. All amajets were in operation.	

Tank 3B was completely full. All amajets were in operation.

Tanks 4A, 4B, 5A & 5B All tanks are covered and odour controlled. Unable to gauge condition as lighting system still not working.

Tank 6A was completely full. All amajets were in operation.

Tank 6B was completely full. All amajets were in operation.

Tank 7A was completely full. All amajets were in operation.

Tank 7B was completely full. Only amajet 1 was in operation.

Tank 8A was completely full. All amajets were in operation.

Tank 8B was completely full. Amajets 1 & 2 were in operation.

Storm Feed Channel - The channel was 60% full.

Thames advised of planned works to replace all of the hopper valves to prevent back flow of effluent.

They are still also awaiting parts in order to bring the wash water pump system back into operation.

Complaints

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

Odour Monitors			
The odour readout	ts (H ₂ S) for	all of the	monitors, which were providir
data at time of insp	pection: Thu	rsday 20 th	February 2020 at 12:20.
Monitor 1	0.009	ppm	12:20
Monitor 2	0.010	ppm	12:20
Monitor 3	0.000	ppm	12:20
Monitor 4	0.003		12:20
Monitor 5	0.007	ppm	12:20
Monitor 6	0.008	ppm	12:20
Monitor 7	0.006	ppm	12:20
Monitor 8	0.000	ppm	12:20
Monitor 9	0.009	ppm	12:20
Monitor 10	0.009	ppm	12:20
Monitor 11	0.007	ppm	12:20
Monitor 12	0.007	ppm	12:20
Monitor 13	0.008	ppm	12:20
Wind Speed	13.214	mph	12:20
Wind Direction	194.582	0	12:20
Odour Log /Thom	naa) Dhate		of log entries taken:
Odour Log (man	nes) - Fnou	copies c	bi log entries taken.
Thursday 13th Feb	oruary 2020		
DAY SHIFT			
Temp. Cold.			
Weather. Rain.			
Odour Readings.	All OMU's ir	n operatio	n.
Time: 00:00.			
	Customer C	omplain	t. OM1 spiked at 12:35-13:0
max 0.021ppm.			
OM2 spiked at 16:	39-17:01 ma	ax 0.029p	pm.
OM8 spiked at 13:4	44-14:00 ma	ax 0.016 b	out <15 min duration.
-	es / causes	observed	 Strom tanks full and stormin
to river.			

Actions Taken. Blank. NIGHT SHIFT Temp. Cool. Weather. Clear night. Odour Readings. All OMU's in operation. Time: 05:30. Observations / Customer Complaint. OM2 0.020ppm 23:27-00:10. Operational issues / causes observed. No odour discovered when checking east inlet area. Actions Taken. Blank. Friday 14 th February 2020 DAY SHIFT Temp. Cool. Weather. Cloudy w/sunny spells. Odour Readings. All OMU's in operation. Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Col. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT.		1
Temp. Cool. Weather. Clear night. Odour Readings. All OMU's in operation. Time: 05:30. Observations / Customer Complaint. OM2 0.020ppm 23:27-00:10. Operational issues / causes observed. No odour discovered when checking east inlet area. Actions Taken. Blank. Friday 14 th February 2020 DAY SHIFT Temp. Cool. Weather. Cloudy w/sunny spells. Odour Readings. All OMU's in operation. Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
 Weather. Clear night. Odour Readings. All OMU's in operation. Time: 05:30. Observations / Customer Complaint. OM2 0.020ppm 23:27-00:10. Operational issues / causes observed. No odour discovered when checking east inlet area. Actions Taken. Blank. Friday 14th February 2020 DAY SHIFT Temp. Cool. Weather. Cloudy w/sunny spells. Odour Readings. All OMU's in operation. Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. 		
Odour Readings. All OMU's in operation. Time: 05:30. Observations / Customer Complaint. OM2 0.020ppm 23:27-00:10. Operational issues / causes observed. No odour discovered when checking east inlet area. Actions Taken. Blank. Friday 14 th February 2020 DAY SHIFT Temp. Cool. Weather. Cloudy w/sunny spells. Odour Readings. All OMU's in operation. Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
Time: 05:30. Observations / Customer Complaint. OM2 0.020ppm 23:27-00:10. Operational issues / causes observed. No odour discovered when checking east inlet area. Actions Taken. Blank. Friday 14 th February 2020 DAY SHIFT Temp. Cool. Weather. Cloudy w/sunny spells. Odour Readings. All OMU's in operation. Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
Observations / Customer Complaint. OM2 0.020ppm 23:27-00:10. Operational issues / causes observed. No odour discovered when checking east inlet area. Actions Taken. Blank. Friday 14 th February 2020 DAY SHIFT Temp. Cool. Weather. Cloudy w/sunny spells. Odour Readings. All OMU's in operation. Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
Operational issues / causes observed. No odour discovered when checking east inlet area. Actions Taken. Blank. Friday 14 th February 2020 DAY SHIFT Temp. Cool. Weather. Cloudy w/sunny spells. Odour Readings. All OMU's in operation. Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
checking east inlet area. Actions Taken. Blank. Friday 14 th February 2020 DAY SHIFT Temp. Cool. Weather. Cloudy w/sunny spells. Odour Readings. All OMU's in operation. Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
Actions Taken. Blank. Friday 14 th February 2020 DAY SHIFT Temp. Cool. Weather. Cloudy w/sunny spells. Odour Readings. All OMU's in operation. Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observational issues / causes observed. No 20.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
Friday 14 th February 2020 DAY SHIFT Temp. Cool. Weather. Cloudy w/sunny spells. Odour Readings. All OMU's in operation. Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
DAY SHIFT Temp. Cool. Weather. Cloudy w/sunny spells. Odour Readings. All OMU's in operation. Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT	Actions Taken. Diank.	
DAY SHIFT Temp. Cool. Weather. Cloudy w/sunny spells. Odour Readings. All OMU's in operation. Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
DAY SHIFT Temp. Cool. Weather. Cloudy w/sunny spells. Odour Readings. All OMU's in operation. Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT	Friday 14 th February 2020	
Temp. Cool. Weather. Cloudy w/sunny spells. Odour Readings. All OMU's in operation. Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
 Weather. Cloudy w/sunny spells. Odour Readings. All OMU's in operation. Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. 	DAY SHIFT	
Odour Readings. All OMU's in operation. Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT	Temp. Cool.	
Time: 17:30. Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT	Weather. Cloudy w/sunny spells.	
Observations / Customer Complaint. OM2 spiked at 07:20-07:50 max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
max 0.104ppm. Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15th February 2020 DAY SHIFT		
Operational issues / causes observed. East side rag skip hosed down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
down. Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
Actions Taken. Blank. NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
NIGHT SHIFT Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
Temp. Cold. Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
Weather. Overcast night. Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
Odour Readings. All OMU's in use. Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
Time: 05:25. Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
Observations / Customer Complaint. OM2 0.046 spike 03:16-04:02. OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
OM9 0.020ppm 23:04-00:04. Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
Operational issues / causes observed. No odour discovered when checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
checking area. Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
Actions Taken. Blank. Saturday 15 th February 2020 DAY SHIFT		
Saturday 15 th February 2020 DAY SHIFT		
DAY SHIFT		
DAY SHIFT		
DAY SHIFT	Saturday 15 th February 2020	
	DAY SHIFT	
Temp. Cool.	Temp. Cool.	

Weather. Rain.	
Odour Readings. All OMU's in operation. Time: 17:30.	
Observations / Customer Complaint. OM2 spiked at 10:20-10:35	
max 0.043ppm but <15 min duration.	
Operational issues / causes observed. Emptying storm tanks AM.	
Actions Taken. Blank.	
NIGHT SHIFT	
Temp. Cool.	
Weather. Rain.	
Odour Readings. All OMU's in operation.	
Time: 05:30.	
Observations / Customer Complaint. No odour issues.	
Operational issues / causes observed. Storm tanks.	
Actions taken. Blank.	
Sunday 16 th February 2020	
Sunday To February 2020	
DAY SHIFT	
Temp. Cool.	
Weather. Storms.	
Odour Readings. All OMU's in operation.	
Time: 17:30.	
Observations / Customer Complaint. OM2 spiked at 12:30-13:30	
max 0.105ppm.	
Operational issues / causes observed. Very high flows being treated,	
storm tanks full and storming to river. Actions Taken. Blank.	
NIGHT SHIFT	
Temp. Cool.	
Weather. Rain.	
Odour Readings. All OMU's in operation.	
Time: 05:30.	
Observations / Customer Complaint. OM5 0.017ppm 17:37-18:37.	
OM1 0.017ppm 20:17-20:35.	
Operational issues / causes observed. Storm tanks full, wearing to	
river.	
Actions Taken. Blank.	

Monday 17th February 2020

DAY SHIFT

Temp. Cool. Weather. Cloudy w / sunny spells. Odour Readings. All OMU's in operation. Time: 17:30 Observations / Customer Complaint. OM2 0.030ppm 10:24-10:46. Operational issues / causes observed. Area checked no source found. Actions Taken. Blank. NIGHT SHIFT Temp. Cool. Weather. Clear night. Odour Readings. All OMU's in operation. Time: 05:30. Observations / Customer Complaint. Blank. Operational issues / causes observed. No odour issues found or reported. Actions Taken. Blank.

Tuesday 18th February 2020

DAY SHIFT

Temp. Cool.
Weather. Cloudy w / sunny spells.
Odour Readings. All OMU's in operation.
Time: 17:30.
Observations / Customer Complaint. OM3 0.068ppm 11:08-11:24.
OM1 0.020ppm 11:14-11:56; 0.016ppm 10:05-10:09.
OM5 0.017ppm 08:38-08:53.
Operational issues / causes observed. Area checked, no source found. Storm tanks filling.
Actions Taken. Blank.
NIGHT SHIFT
Temp. Cool.
Weather. Overcast night.
Odour Readings. All OMU's in operation.

•

Sludge Dip Records

Date	West PSTs 1	West PSTs 2	West PSTs 3	West Total	East PSTs	Grand Total
			All unit	ts in m ³		
OMP limit	500					
14/02/2020	0	267	473	740	2089	2829
17/02/2020	0	516	206	722	1896	2618
19/02/2020	0	661	61	722	1568	2290

There are no limits for the East side primary settlement tanks as these are covered and odour controlled. Thames is required by the terms of the abatement notice agreed in 2005 to notify LBH on the next working day of any such exceedance and notify LBH within three working days of any appropriate remedial measure taken.

Imported Sludge

Not confirmed on weekly paperwork.

No.5 Pumping Station

The doors of No.5 pumping station was open at the time of the inspection although no odour was evident.

Raw Sludge Screening House

The large roller shutter door of the Raw Sludge Screening building was open at the time of the inspection and one 40yds bulk container was inside.

A pile of debris had formed at the end of the conveyor belt and was in the process of being cleared.

Digesters

Digesters 1-4 Out of use (permanent). Thames advised of a long term project currently initiated to bring these units back into service that will require significant investment.

Digester 5: In service and had a wet sloppy seal that was bubbling off small amounts of gas

Digester 6: In service and had a wet sloppy seal that was bubbling off small amounts of gas. There had also been a recent spill over the top of the coping stone.

Digester 7: Out of service.

Digesters 8 & 9: Both were in service and had wet sloppy seals that were bubbling off small amounts of gas.

Digester 10: In service and had a wet sloppy seal that was bubbling off small amounts of gas. It was noted that the sludge level was high at nearly at the top on the coping stone.

Digesters 11 & 12: Both were in service and had wet sloppy seals that were bubbling off small amounts of gas.

Digester 13: In service and had a wet sloppy seal that was bubbling off small amounts of gas.

There had also been a significant spill covering a large area around the tank. Due to the weather (heavy rain) it was difficult to tell whether this had been partly cleared up or was being washed away by the rain fall?

Digesters 14 & 15: Both were out of service.

Digesters 16 & 17: Both were in service and had wet sloppy seals that were bubbling off small amounts of gas.

Digester 18: Out of service.

Digesters 19 & 20: Both were in service and had wet sloppy seals that were bubbling off gas.

at a s s s s s d s s

Return Activated Sludge Channel	
The nearside RAS channel (which runs in the ground between FST's 61-64 & 65-67) was clear and fee flowing following repair to the main	
air line.	
West Side Aeration Lanes (Old)	
No issues.	
West side primary settlement tanks (PST)	
Rectangular PSTs are now covered and odour controlled. TW advised no issues.	
Circular PST's 9, 11 & 12 were all in service and had fat free surfaces.	
PST 10 was out of service and the outer overflow channel was being over pumped at the time of the inspection.	
Pasteurisation Plant	
The pasteurisation plant is in service. TW advised 9 streams are currently in service (1, 5 & 12 are out of service).	
Section 106 agreement	
There have been no breaches of the s106 agreement in the last week.	
West Side Aeration Lanes (New)	
A very thick scum has again developed across all of the aeration lane	
surfaces that was thick enough to obscure most of the internal dividing walls.	
Although nearly all of the sprinklers appeared to be in operation	

floating debris was clogging	these area	as of the lanes.	
The mixed liquor feed channe E-Battery was clogged with t no odour was noticeable.			
New Inlet Works (West Side) No issues.	1		
Odour Control Unit (OCU) pe			
Plant	Reading (ppm)	Action Level (ppm)	Compliant
Main pumping station inlet	0.03 0.02 0.03	Unknown	Unknown
Main pumping station outlet	0.00 0.00 0.00	0.2	Yes
East OCU	0.00 0.00 0.00	0.05	No
West inlet OCU	0.00 0.00 0.00	0.05	Yes
Sludge reception inlet	Blank	Unknown	Unknown
Sludge reception outlet	Blank	0.8	Yes
Thickening plant inlet	Blank	0.5	Yes
Thickening plant outlet	0.04 0.04 0.02	0.6	Yes
Transfer PS inlet	Blank	Unknown	Unknown
Transfer PS outlet	0.00 0.00	0.6	Yes

New W	Vest inlet (OCU 11)	0.00 0.00	0.5	Yes
		0.00		
Pasteu	urisation (OCU 12)	0.00	0.5	Yes
		0.00		
		0.00		