



Glastonbury Festival 2015 Sanitary Facilities Plan

Prepared By

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Document Version Control

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1	05/12/14	[REDACTED]	Initial draft for 2015
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TABLE OF CONTENTS

1. INTRODUCTION	3
2. NUMBER AND TYPES OF SANITARY APPLIANCES	3
3. LOCATION & PROVISION OF SANITARY APPLIANCES.....	3
4. ARRANGEMENTS FOR SERVICING SANITARY APPLIANCES.....	3
EMPTYING	3
CLEANING.....	4
5. TRANSPORTING SEWAGE & GREY WATER OFFSITE	4
6. SURFACE WATERCOURSE QUALITY MONITORING PROGRAMME	
APPENDIX A SERVICING CONTRACTORS	6
APPENDIX B BREAKDOWN OF TYPES & QUANTITIES OF SANITARY APPLIANCES	6
APPENDIX C TOILET & WATER POINT (TWP) MAP.....	7
APPENDIX D ORGANIC WASTE – PERMIT TO DISCHARGE	8
APPENDIX E RIVERS & STREAMS WATER QUALITY MONITORING METHODOLOGY	9
APPENDIX F GLASTONBURY FESTIVAL 2015: POLLUTION CONTROL STATEMENT.....	13

1. INTRODUCTION

- 1.1 The Sanitary Facilities Plan (SFP) contains details of the management strategies that will be implemented by Glastonbury Festival 2015 Ltd Company Reg Number 04348175 (GF2015) to ensure that the licence conditions agreed with the local authority are met.
- 1.2 Each year, GF2015 shall review and update this SFP in consultation with Mendip District Council (MDC) and the Environment Agency (EA) in response to agreed actions arising from the MDC Scrutiny Board Report and Multi-Agency Partnership (MAP) meetings.

2. NUMBER AND TYPES OF SANITARY APPLIANCES

2.1

2.2

3. LOCATION & PROVISION OF SANITARY APPLIANCES

- 3.1 The location of onsite and offsite sanitary appliances will be as marked on the Toilet and Water Point plan (**Appendix C**). The location of all toilet and water points on site will be amended as deemed necessary through advice and review with MDC and the EA.
- 3.2 All public sanitary appliances will be in place by 8am on Wednesday 24th June 2015 and all market area and backstage sanitary appliances will be in place by Friday 19th June 2015. Screening will be provided wherever necessary around toilets and urinals. Satisfactory illumination will be provided and maintained for all closets, urinals and water points during the hours of darkness
- 3.3 Self-certification regarding the impermeable nature of the tanks for foul drainage will be submitted to the licensing authority by 25th May 2015. If an incident regarding sewerage happens onsite that puts the watercourses at risk, the Environment Agency will be contacted on 0800 807060.
- 3.4 All sinks will discharge into either suitably constructed soakaways or grey waste tanks.
- 3.5 All ditches and streams will be fenced in order to prevent access by the public. GF2015 will undertake an extensive ammonia monitoring programme of waterways.

4. ARRANGEMENTS FOR SERVICING SANITARY APPLIANCES

EMPTYING

- 4.1 All longdrops onsite have the capacity to not have to be emptied for the five days of the event. Where possible all urinals onsite will also feed into these longdrops tanks. All underground tanks will be emptied after the event. The few polyjohns and disabled polyjohns that are onsite will be serviced between 4am and 8am every morning. The emptying of onsite and offsite facilities will be undertaken by Contractors detailed in **Appendix A**. In 2014 tractor and tanker movements were drastically reduced onsite and GF2015 will seek to further reduce in 2015 where possible.
- 4.2 The compost toilets onsite will be emptied by Contractors detailed in **Appendix A**. The process for this is the solid waste is stored in wheelie bins beneath the seats which are monitored and changed

as and when required. On average they can last 2 days. The liquid waste is pumped into an IBC which will either be pumped into a longdrop, depending on how close, or where this is not possible they will be serviced between 4am and 8am everyday by the gully sucker team.

- 4.3 There are three purpose built holding tanks situated on Worthy Farm, and on a neighbouring farm for reception of the resulting effluent. The tankers will discharge under gravity into a screen positioned to channel the effluent into the Lagoon. All tanker activities within the lagoon compounds will be monitored by the Lagoon manager and his team.
- 4.4 Collections from the holding tank will be scheduled in order to keep within the stated 85% capacity, providing weather and site conditions allow safe access for transport.
- 4.5 Most effluent will be transported to, Evercreech and Wells with the remainder being disposed of at Trowbridge sewage works and any other sites as agreed with Wessex Water. We hold a Wessex Water organic waste permit to discharge, a copy of which is at **Appendix D**. All untreated human waste will be collected and disposed of in accordance with current legislation.

CLEANING

- 4.6 The Contractor responsible for the cleanliness of all public, trader and backstage toilets and the compost toilets is detailed in **Appendix A**.
- 4.7 The toilet compound in the Interstage area, between the Pyramid and Other stage will be managed and cleaned by the Contractor detailed in **Appendix A**.
- 4.8 The Cleaning Contractors will send the same teams to the same allocated areas each day so that they are familiar with the toilets and area, and will create a relationship with area managers. They will also remain stationed at the toilet points throughout the day in order to deal with any issues and maintain the cleanliness from 7am to 9pm.
- 4.9 The Cleaning Contractor will provide their teams with colour coded cloths and cleaning equipment to help distinguish between stock to use on toilets and those to use on water points, Red for toilets and Blue for taps. They will also provide face guards and tarps to go over the top of longdrops when they are being pressure washed.
- 4.10 The toilets provided for the security personnel, together with those at the Apple Tree public house, Pilton village, Springfield, West lay-by, Pylle and East Pennard areas will be serviced and gullied by Contractors detailed in **Appendix A**. This also applies to the East outer zones will be serviced and gullied. Cleaning Zones will be created by dividing the site into a number of manageable zones. Each zone will have dedicated cleaning teams on rotation with a manager overseeing several of the zones.
- 4.11 Longdrop toilets will be cleaned 24 hours a day by the contractor, with personnel always present.
- 4.12 The toilet cleaners allocated to each zone will be trained as to their responsibilities and resources will be allocated to ensure that they have the equipment and consumables necessary to carry out their duties.
- 4.13 A team of Sanitary & Environment Assessors will be managed by GF2015 to check all sanitary appliances onsite and offsite. These Assessors will comment, feedback and initiate action on cleanliness and emptying of all toilets and also any issues regarding taps, sinks or sanitizer units. Reports for action will be made via their team leaders who will be based at Grid Reference F30.

5. TRANSPORTING SEWAGE & GREY WATER OFFSITE

- 5.1 Wessex Water have agreed to haul the waste effluent and grey water from site over an agreed period to one or more of their local discharge plants (Evercreech and Trowbridge) thus improving

the festival carbon footprint when compared to the extended journeys of haulage to Avonmouth in previous years.

- 5.2 The levels of the lagoons on site will not be allowed to reach a serious or critical situation. Wessex Water are taking full responsibility for this haulage and will if necessary bring in extra lorries to speed up the process to address any compromising situations. The site will have three lagoons in operation and two screening points. The tanks are located at Grid Ref G29 and two at N20.

SURFACE WATERCOURSE QUALITY MONITORING PROGRAMME

6.1



6.2

- 6.3 Samples are to be tested for total dissolved Ammonia using water test kits supplied by Aquamerck® (Ref: 11117). These test kits have a detection limit of 0.5 mg/l and an operating range of 0.5-10 mg/l.

- 6.4 Dissolved oxygen saturation is to be tested using held "YSI Pro ODO" or "Aquaread - Aquaplus" handheld optical oxygen meters. These units are calibrated by the supplier prior to delivery and require no re-calibration during the monitoring programme.

- 6.5 Should the agreed trigger limit be exceeded, the Watercourse Quality Manager will be contacted immediately and further samples will be tested for confirmation. The Watercourse Quality Management will undertake to determine any source of contamination by tracking upstream and investigating connecting tributaries. Remedial measures will be subsequently undertaken in conjunction with the Infrastructure office to contain the contamination and to prevent any further releases.

- 6.6 All results (including those that do not exceed the agreed limit) will be relayed to the Watercourse Quality Manager within one hour of testing. Results are then analysed and issued to the festival Infrastructure Department and to the Environment Agency. Continual liaison with the Environment Agency is to be carried out throughout the monitoring programme. Results and analysis will also be communicated to the thrice daily Silver meetings.

- 6.7 All results will be stored within the Infrastructure Office in electronic format and also available to authorised parties via a secure Google Document.

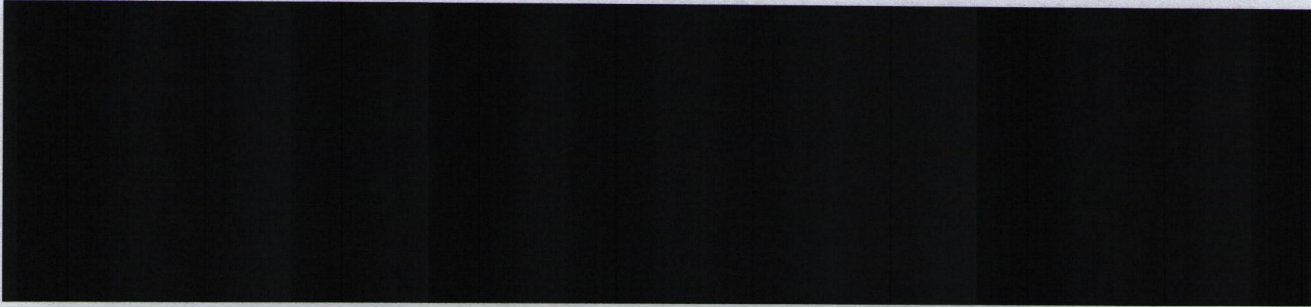
- 6.8 The Water Quality manager will look for patterns and trends in the sampling data in order to target preventative investigations.

6.9



APPENDIX A SERVICING CONTRACTORS

Emptying of sanitary appliances

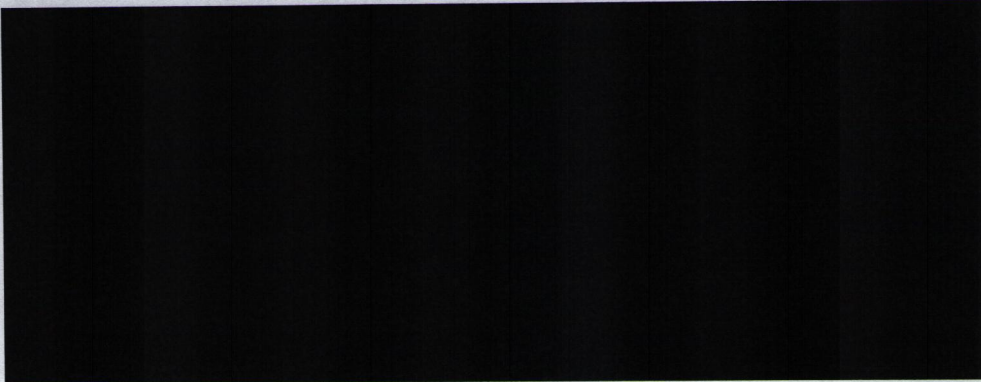


Cleaning

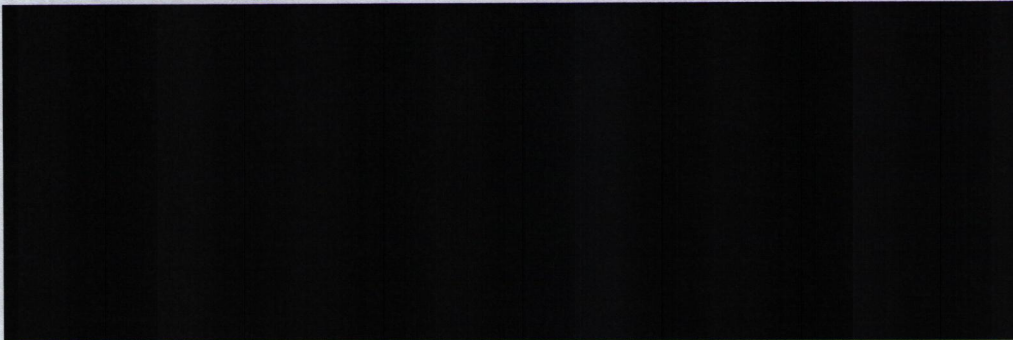


APPENDIX B BREAKDOWN OF TYPES & QUANTITIES OF SANITARY APPLIANCES

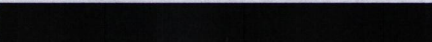
i. Numbers and types of toilets in-house:

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ii. Numbers and types of toilets hired in:

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APPENDIX C - 2015 Toilet and Water Point Plan

A version of this map can be found here: 

APPENDIX D ORGANIC WASTE – PERMIT TO DISCHARGE

Organic Waste

Permit to discharge

Permit No. 316

Name	Glastonbury Festivals Ltd
Address	Worthy Farm Pilton Somerset
Postcode	BA4 4BY

Permit valid from	09/01/13
Permit valid to	09/01/16
Waste Carriers Licence No.	Use sub contractors
Valid to	09/01/16

1377

This document defines Terms and Conditions which apply when your company delivers waste for treatment through one of our treatment centres. Please read carefully and sign below as acceptance of these terms.

This permit is valid for treatment of waste at sites as detailed on the *Guide to permitted wastes*. For this document and other information please see contact details at the bottom of this document.

In accordance with Wessex Water's Health and Safety policy we ask that you comply with all of the points listed in the Organic Waste Health and Safety code.

Controlled waste	
The acceptance of controlled waste at our treatment centres is subject to a preacceptance sample and authorisation of individual waste streams on a Control Form for Controlled Waste Acceptance.	This form must be authorised by Wessex Water and signed by a customer representative before discharge. Controlled waste for treatment at Avonmouth, Holdenhurst and Poole must be booked in advance to the site, by fax or online.

General terms and conditions	
All discharges are subject to the terms and conditions stated above, and on the reverse of this permit. Any company found to have caused damage to Wessex Water property will be liable to pay any remedial costs.	All vehicles must carry four inch bauer pipework to be permitted to discharge. Any company found to be deliberately breaching terms and conditions will be prevented from using our sites.

Please sign and return one copy of the permit as acceptance of these and the attached terms and conditions. Failure to return a copy will result in your permit being withdrawn.

	Wessex Water	Customer
Name	[Redacted]	
Position	[Redacted]	
Date	09/01/13	
Signed	[Redacted]	

Organic Waste, Bristol STW, Kings Weston Lane, Avonmouth, Bristol BS110YS
 telephone 01225 524560 fax 01225 524594 organic.waste@geneco.uk.com
 www.geneco.uk.com

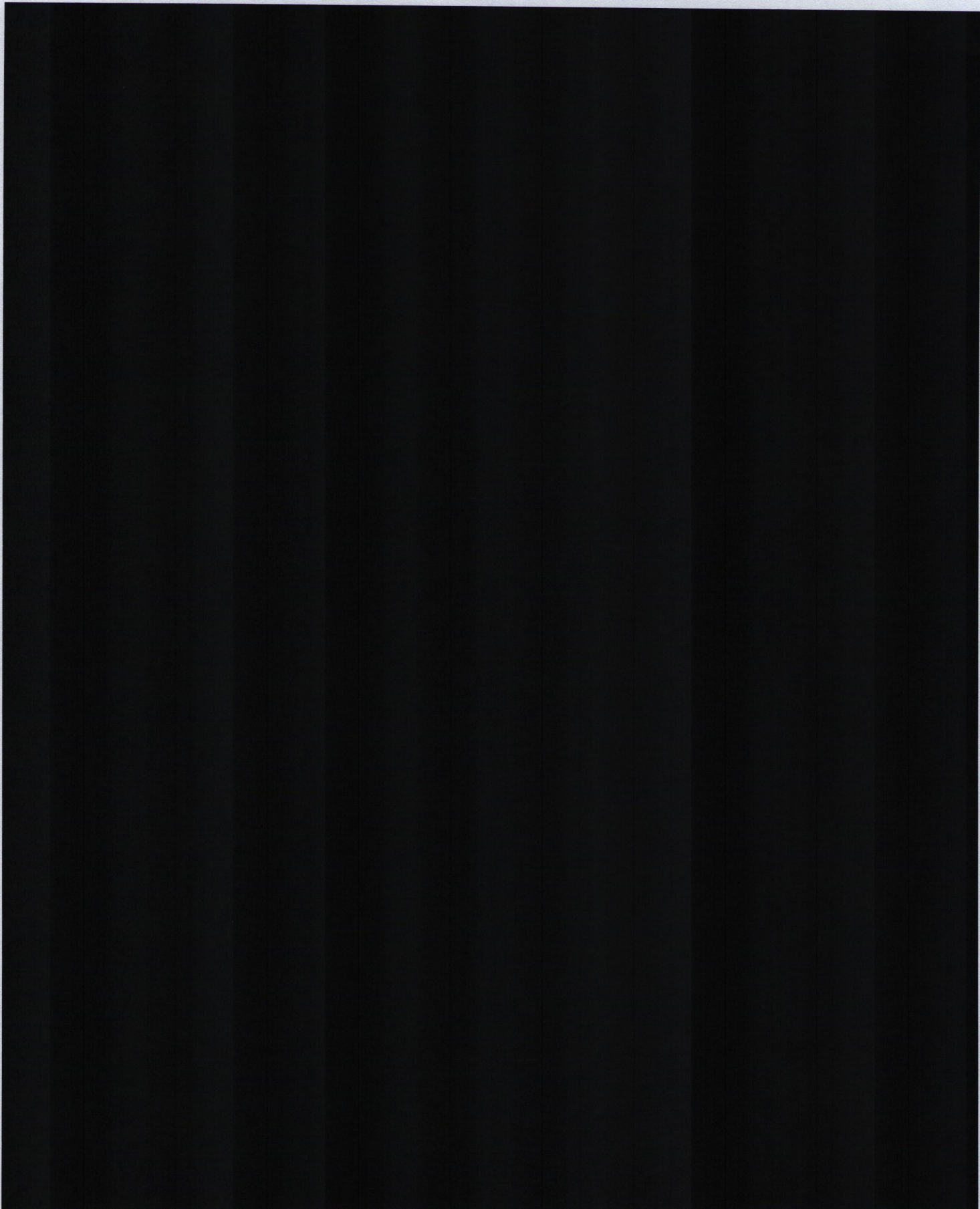


APPENDIX E RIVERS & STREAMS WATER QUALITY MONITORING METHODOLOGY

In accordance with the requirements of the festival license and statutory obligations under the Water Resources Act (1991,) Glastonbury Festival 2015 Ltd (hereafter referred to as GFL) has put in place the following programme of water quality monitoring.

The River Whitelake and its tributaries will be monitored within the festival site using procedures developed and implemented over the past 10 years. Specifically the river and its tributaries will be tested for ammonia (NH₄), dissolved oxygen (DO) and monitored for signs of any other potential water quality issues. The methodology is set out below.





Communication

The rivers and streams monitoring volunteers will undertake the initial water testing. Where ammonia levels or DO are outside the agreed trigger levels a check-test will be undertaken to confirm the reading, and an additional re-test taken at an assigned upstream location. The Watercourse Quality Manager will be contacted, who will undertake additional testing and investigate potential sources as required. The Watercourse Quality Manager will communicate findings directly to the GFL infrastructure and licensing departments. GFL will then escalate any issues as required, this will include phone communication with the EA duty manager for the region.

Following the completion of each river monitoring shift each team will supply results to the Watercourse Quality Manager by text message. The results will be collated the master results spreadsheet will then be updated. this is an online (Secure) Google document readable by all authorised parties. An email communication is issued to GFL infrastructure, GFL Licensing and The Environment Agency. This communication includes the up to date monitoring results, and a summary statement describing the water quality status of the River Whitelake system on site.

Response to Water Quality Issues

Trigger levels for the initiation of investigation and remediation by GFL have previously been agreed for the River Whitelake as follows:

Ammonia concentrations that exceed 2mg/l above the incoming (background) concentration should elicit investigation by GFL.

For DO concentration a staged response is utilised, with levels below 30% requiring increased monitoring, levels below 20% requiring further investigation and levels less than 10% constituting an emergency and requiring detailed investigation and implementation of remedial measures on the ground as appropriate. The natural diurnal pattern of dissolved oxygen concentration, whereby levels reduce after dark and recover during the daytime should be considered in all analysis of oxygen monitoring results.

Ammonia and DO levels on the tributaries do not have formal trigger levels. The severity of positive readings will be considered in consultation with the EA and each case investigated according to a number of factors including potential impact on the main river, flow conditions and the persistence of the event.

Ammonia Tests

Ammonia will be tested in the field using an Aquamerck NH₄ testing kit. Ammonia testing will not be undertaken on tributary watercourses if there is no, or extreme low flow, as this would provide unrepresentative results. For results in excess of the trigger level, volunteers will undertake additional testing at the same location to verify the initial result.

Dissolved Oxygen

Dissolved oxygen will be measured using a hand held meters with optical probes to minimise potential maintenance issues "Pro ODO" and "Aquaread - Aquaplus" meters will be used depending on availability. A total number of 12 meters will be hired in order to provide appropriate redundancy in the event of equipment failure

The percentage saturation of dissolved oxygen will be recorded concurrently with the ammonia testing. Saturation levels dropping below 30% DO are considered to be a potential risk to the aquatic environment and will elicit an immediate response in the form of a phone call to the shift manager. Testing will not be undertaken on (tributary) watercourses if there is no or extreme low flow as this would provide unrepresentative results

APPENDIX F GLASTONBURY FESTIVAL 2015 ENVIRONMENTAL MANAGEMENT SYSTEM (EMS)

In accordance with the requirements of the festival license and statutory obligations under the Water Resources Act (1991), Glastonbury Festival 2015 Ltd (GF2015) has been working in partnership with the Environment Agency to develop an Environmental Management System. For 2015 the work is focused on providing a framework in which potential pollution risks can be identified, mitigated and controlled.

The EMS document will be submitted to the Environment Agency by Wednesday 10th June 2015 and further developed and implemented throughout the build-up and delivery of the Festival.

APPENDIX 2 - GLASTONBURY FESTIVAL 2015 ENVIRONMENTAL MANAGEMENT SYSTEM (EMS)

In accordance with the requirements of the festival license and relevant obligations under the Water Resources Act (1991), Glastonbury Festival 2015 (GF2015) has been working in partnership with the Environment Agency to develop an Environmental Management System. For 2015 the work is focused on providing a framework in which potential pollution risks can be identified, managed and controlled.

The EMS document will be submitted to the Environment Agency by Wednesday 10th June 2015 and further developed and implemented throughout the build-up and delivery of the festival.