

Severn Waste Services Ltd Envirecover EFW – preoperational requirements

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Job title: EPr Installations Officer

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Permit requirements

⇒ Permit issued 18 April 2011 includes:

⇒ Condition 2.5 – Pre-operational conditions

- “The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4 have been completed.”

⇒ Submissions will be included on the public register

Pre operational condition - PO1

- ➔ *Prior to the commencement of commissioning, the Operator shall send a summary of the site Environment Management System (EMS) to the Environment Agency and make available for inspection all documents and procedures which form part of the EMS. The EMS shall be developed in line with the requirements set out in Section 1 of How to comply with your environmental permit – Getting the basics right. The documents and procedures set out in the EMS shall form the written management system referenced in condition 1.1.1 (a) of the permit.*

Pre operational condition – P02

- ➔ *Prior to the commencement of commissioning, the Operator shall send a report to the Environment Agency which will contain a comprehensive review of the options available for utilising the heat generated by the waste incineration process in order to ensure that it is recovered as far as practicable. The review shall detail any identified proposals for improving the recovery and utilisation of waste heat and shall provide a timetable for their implementation.*

Pre operational condition – P03

- ➔ *Prior to the commencement of commissioning, the Operator shall submit to the Environment Agency for approval a protocol for the sampling and testing of incinerator bottom ash for the purposes of assessing its hazard status. Sampling and testing shall be carried out in accordance with the protocol as approved.*

The protocol provides detailed guidance on collecting samples of IBA, laboratory testing, assessing if hazardous or non hazardous

Pre operational condition – P04

- ➔ *Prior to the commencement of commissioning; the Operator shall provide a written commissioning plan, including timelines for completion, for approval by the Environment Agency. The commissioning plan shall include the expected emissions to the environment during the different stages of commissioning, the expected durations of commissioning activities and the actions to be taken to protect the environment and report to the Environment Agency in the event that actual emissions exceed expected emissions. Commissioning shall be carried out in accordance with the commissioning plan as approved.*

Pre operational conditions - 5

- ➔ *The Operator shall submit a written report to the Environment Agency of the details of the computational fluid dynamic (CFD) modelling. The report shall demonstrate whether the design combustion conditions comply with the residence time and temperature requirements as defined by the Waste Incineration Directive.*

Pre operational conditions - 5

- Submission approved - 11 February 2015
- Permit required operator to validate the required combustion conditions of a minimum temperature of 850C for a minimum of 2 seconds residence time.
- During the commissioning phase required to demonstrate through on site measurements that the plant meets the time/temperature requirements.